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**ASSESSMENT REPORT**

describing

**GEOCHEMICAL SAMPLING, PROSPECTING, GEOLOGICAL MAPPING,  
HAND TRENCHING AND DIAMOND DRILLING**

at the

**CRAG EAST PROPERTY**

Crag 402-610	YE13492-YE13700	Tasin 765	YE65715
Crag 611-677	YD78431-YD78497	Tasin 767	YE65717
Crag 678-703	YE64458-YE64483	Tasin 769-800	YE65719-YE65750
Crag 704-721	YE99804-YE99821	Tasin 817-862	YE65767-YE65812
Crag 722-813	YE64502-YE64593	Tasin 874	YE65824
Tasin 1-150	YE99551-YE99700	Tasin 876-924	YE65826-YE65874
Tasin 151-752	YE65101-YE65702	Tasin 950-1008	YE65900-YE65958
Tasin 755	YE65705	Tasin 1018	YE65968
Tasin 757	YE65707	Tasin 1020	YE65970
Tasin 759	YE65709	Tasin 1022-1050	YE65972-YE66000
Tasin 761	YE65711	Tasin 1051-1092	YE66401-YE66442
Tasin 763	YE65713	Tasin 1094-1280	YE66444-YE66630

NTS 106C/01 & 02 and 105N/15 & 16  
Latitude 64°02' N; Longitude 132°35' W  
Mayo Mining District  
Yukon Territory

Field work performed between May 30 and August 20, 2012

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

S. Drechsler, B.Sc., P.Geol.

June 2013

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## INTRODUCTION

The Crag East property lies within a district of recently discovered Carlin-type gold occurrences, located in east-central Yukon. The property covers favourable, structurally complex, locally altered and mineralized, carbonate stratigraphy with extensive, strong gold-arsenic±mercury±thallium±antimony soil anomalies. Follow up of similar soil anomalies elsewhere within the district led to the discoveries of ATAC Resources Ltd.'s Osiris and Conrad zones and Anthill Resources Ltd.'s Venus Zone. The property is one of several claim blocks comprising Strategic Metals Ltd.'s wholly owned Midas Touch Project.

This report describes geochemical sampling, prospecting, geological mapping, hand pitting and trenching and diamond drilling (2924.56 m in fifteen holes), which were conducted between May 30 and August 20, 2012 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author supervised and participated in the program and interpreted all resulting data. Her Statement of Qualifications appear in Appendix I and Statement of Expenditures is presented in Appendix II.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Crag East property consists of 1618 contiguous mineral claims located in east-central Yukon at latitude 64°02' north and longitude 132°35' west, on NTS map sheets 106C/01 and 02 and 105N/15 and 16 (Figure 1). The property covers an area of approximately 32800 ha (328 km<sup>2</sup>). The claims are registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. 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>
Crag 402-610	YE13492-YE13700	March 11, 2018
Crag 611-677	YD78431-YD78497	March 11, 2018
Crag 678-703	YE64458-YE64483	March 11, 2018
Crag 704-721	YE99804-YE99821	March 11, 2018
Crag 722-813	YE64502-YE64593	March 11, 2018
Tasin 1-150	YE99551-YE99700	March 11, 2018
Tasin 151-752	YE65101-YE65702	March 11, 2018
Tasin 755	YE65705	March 11, 2018
Tasin 757	YE65707	March 11, 2018
Tasin 759	YE65709	March 11, 2018
Tasin 761	YE65711	March 11, 2018
Tasin 763	YE65713	March 11, 2018
Tasin 765	YE65715	March 11, 2018
Tasin 767	YE65717	March 11, 2018
Tasin 769-800	YE65719-YE65750	March 11, 2018
Tasin 817-862	YE65767-YE65812	March 11, 2018
Tasin 874	YE65824	March 11, 2018

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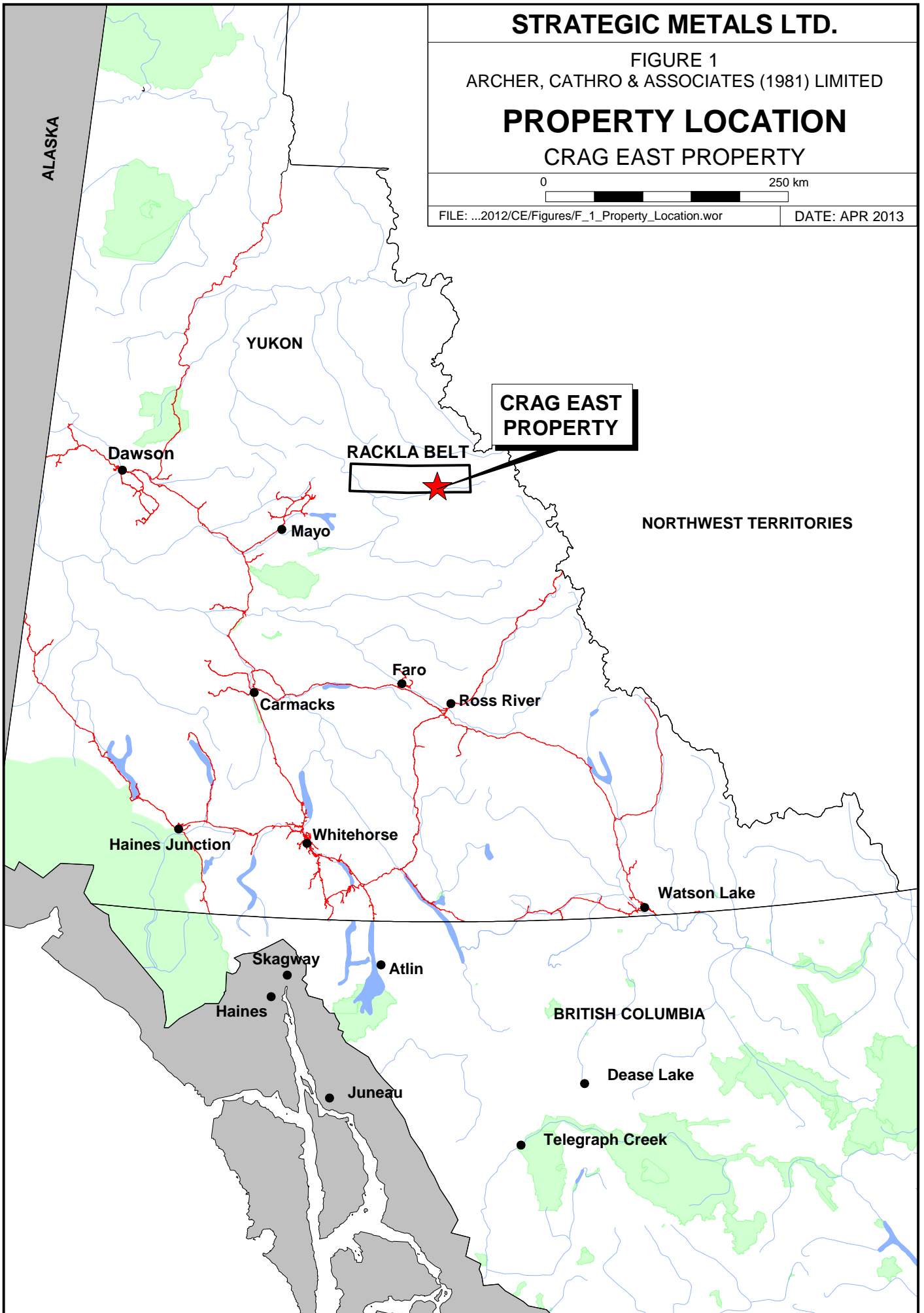
FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

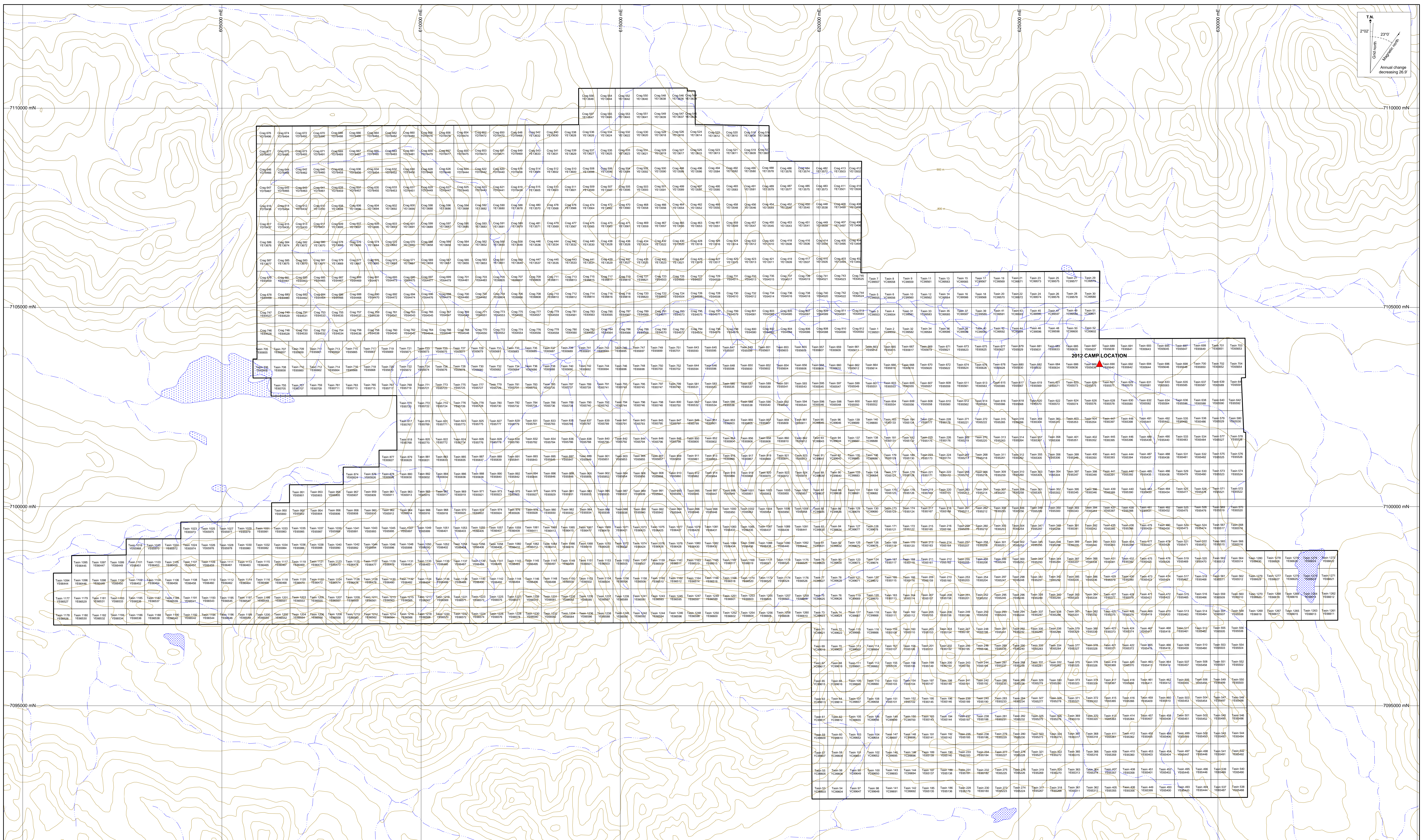
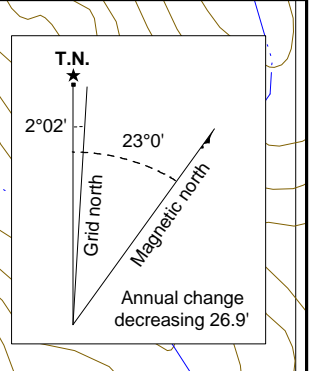
**PROPERTY LOCATION**  
**CRAG EAST PROPERTY**

0 250 km

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DATE: APR 2013





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FIGURE 2  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATIONS**  
CRAG EAST PROPERTY

UTM ZONE 8, NAD 83, 106C & 105N  
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Tasin 876-924	YE65826-YE65874	March 11, 2018
Tasin 950-1008	YE65900-YE65958	March 11, 2018
Tasin 1018	YE65968	March 11, 2018
Tasin 1020	YE65970	March 11, 2018
Tasin 1022-1050	YE65972-YE6600	March 11, 2018
Tasin 1051-1092	YE66401-YE66442	March 11, 2018
Tasin 1094-1280	YE66444-YE66630	March 11, 2018

\*Expiry dates include 2012 work which has been filed for assessment credit but not yet accepted.

The Crag East property lies 170 km east-northeast of the town of Mayo, the nearest supply centre. The closest road access is at the community of Keno City, which is situated 46 km by road northeast of Mayo.

In 2012, crew access to and from the Crag East property involved fixed-wing aircraft to Strategic Metals' camp at the Rackla airstrip, located about 30 km northwest of the property. From there, daily flights to and from the property were performed with a Bell 206 LongRanger helicopter and a Hughes 500D helicopter, both operated by Fireweed Helicopters from the Rackla airstrip camp. Drill support involved transportation of equipment and fuel by fixed-wing aircraft from Mayo to a temporary staging area at the Stewart airstrip and then to the property by the LongRanger and 500D helicopters. A small camp was established on the property (Figure 2) for drill core processing.

### **HISTORY AND PREVIOUS WORK**

The earliest reported exploration in the vicinity of the Crag East property was in 1976, when a number of claim blocks were staked as a result of silver-lead-zinc discoveries made in the district. Three of those claim blocks (Ida, Red and Eira) lay adjacent to, or slightly overlapped, the northern margin of the area now covered by the Crag East property. The Ida claims were staked by G. Bleiler, the Red claims by M. Bratlien and the Eira claims by the Ortell Syndicate (Deklerk and Traynor, 2005).

In 1977, the Ida claims were optioned by a joint venture between Dejour Mines Limited and Nova-Co Exploration Limited (Thompson, 1977), which explored with mapping and geochemical sampling. Work in the northwest portion of that property returned moderately anomalous zinc values (based on a 475 ppm threshold), with erratic lead and silver support. No values were reported for gold or arsenic.

In 1977, prospecting and stream sediment sampling were carried out on the Eira property by the Ortell Syndicate (Curry, 1977). Anomalous silver and zinc results (up to 2.4 and 680 ppm, respectively) led to a second phase of exploration, which comprised grid soil sampling and minor geological mapping. The second phase returned a number of moderate, non-coincident silver, zinc and lead anomalies. Again, no data was reported for gold or arsenic.

No record of work was found for the Red claims.



The Ida, Red and Eira claim blocks were subsequently allowed to expire.

In 2001, the GSC completed low-density stream sediment and water sampling surveys on NTS map sheet 106C (Héon, 2003). Numerous samples were collected from creeks on the property. These samples returned background to subdued values for gold and Carlin-type pathfinder elements; however, no samples were collected from the main area of interest due to dense vegetation and the resulting absence of natural helicopter landing sites.

In 2009, ATAC followed up strong arsenic stream sediment anomalies reported by the GSC's 2001 regional sampling program in an area about 14 km northeast of the Crag East property. Reconnaissance sampling by ATAC returned a string of moderately to very strongly anomalous results ranging from 12 to 1775 ppb gold and 123 to 155000 ppm arsenic (Eaton, 2010). As a result, a very large claim block was staked by ATAC in that area (the Nadaleen Trend Project).

In 2010, ATAC discovered Carlin-type gold mineralization on its Nadaleen Trend Project. Work that year included stream sediment and grid soil sampling, geological mapping, prospecting and diamond drilling (Lane, 2011). This work identified four gold-bearing showings featuring decalcification and silicification of carbonate strata with visible realgar, orpiment and dark grey sooty pyrite, which are characteristic of deposits in the Carlin Trend of Nevada (Lane, 2011).

In November 2009, Strategic Metals purchased ATAC's regional exploration data base and starting in late 2010, it staked several properties in the area to cover stratigraphic units and structural features believed to resemble those associated with ATAC's Nadaleen Trend discoveries. The initial Crag East property (Crag claims) was staked in early 2011.

In 2011, Strategic Metals conducted a large stream sediment and soil sampling program; performed minor prospecting, geological mapping and hand trenching; completed 1398.73 m of diamond drilling in six holes; and had a lidar survey flown over the northern part of the property (Crag claims). This work identified three primary zones of interest (Merlot, Malbec and Shiraz) within extensive Carlin-type pathfinder element soil geochemical anomalies. Results from the 2011 work are described in the appropriate sections within this report.

### **GEOMORPHOLOGY AND CLIMATE**

The Crag East property is situated in the Selwyn Mountains and is drained by creeks that flow into the Stewart and Lansing Rivers, which are both part of the Yukon River watershed. The Stewart River bisects the property.

To the north of the Stewart River, the property is characterized by relatively gentle, easterly trending ridges and valleys, while south of the river, the property covers rugged, easterly trending ridges with northerly and southerly oriented spurs and valleys. Local topography is alpine to sub-alpine, with elevations ranging from about 670 to 1960 m above sea level (asl). Treeline is at about 1500 m asl. Grass, moss, talus slopes and outcrop characterize alpine terrain, while subalpine areas are typically devoid of outcrop and densely vegetated with stands of black spruce, willow and alder. Steep, north facing slopes are usually unvegetated. Creeks on the

property have sufficient water for camp and drilling purposes throughout the summer and early fall.

The Crag East property lies within the limits of the McConnell glaciation, which affected the region approximately 20,000 years ago. Regional ice movement in the area was westerly.

Soil development and thickness are highly variable on the property, due to the effects of glacial transport, fluvial processes and mass wasting.

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

### **REGIONAL GEOLOGY**

The Crag East property is located toward the eastern end of the Rackla Belt, which is an 18 by 120 km belt defined by a variety of mineral occurrences, including recently discovered Carlin-style gold mineralization.

The Rackla Belt spans the southern portion of the Nadaleen map sheet (106C) and southeastern corner of the Nash Creek (106D) map sheet. The Geological Survey of Canada published 1:250,000 scale geological maps of the Nash Creek and Nadaleen map sheets in 1972 (Green) and 1974 (Blusson), respectively. In 1990, Indian and Northern Affairs Canada (predecessor to the Yukon Geological Survey) released a 1:50,000 scale geological map of NTS map sheet 106D/01 (Abbott, 1990).

In 2010, the Yukon Geological Survey (YGS) initiated a project to better understand the geology of the Rackla Belt as a result of the recent discoveries in the area. Work to date has included 1:50,000 scale mapping of the: 1) Mount Mervyn map area (106C/04) in 2010 (Chakungal and Bennett, 2011); 2) Mount Ferrell map area (106C/03) in 2011 (Colpron, 2012); and 3) Ortell Lake and Mount Stenbraten map areas (106C/02 and 01) in 2012 (Colpron et al, 2013). It also included integrating structures and stratigraphic units across map sheets 106C/01 to 106C/04 and 106D/01 (Colpron et al, 2013).

The southern part of the Crag East property lies outside of the currently defined Rackla Belt, on NTS map sheet 105N, which was mapped by Indian and Northern Affairs Canada in 1995 at a 1:125,000 scale (Roots et al, 1995).

Geology of the Rackla Belt presented in the following paragraphs is primarily summarized from the YGS's recent work (Colpron et al, 2013).

The Rackla Belt straddles the boundary between deep water, dominantly clastic rocks of the Selwyn Basin to the south and shallower water shelf strata of the Mackenzie Platform to the north.

The Rackla Belt is divided into three main structural panels – Richardson fault array, Mackenzie fold belt and Selwyn fold belt (Figure 3). Both the north-trending Richardson fault array and the northern edge of the northwest-trending Selwyn fold belt have prolonged histories of Proterozoic and Paleozoic faulting (mainly extensional and strike-slip) that were reactivated during Mesozoic compression.

The three main structural panels are separated by the Dawson Thrust and Kathleen Lakes faults (Figure 3). The Dawson Thrust Fault is a crustal break that may date back to late Neoproterozoic rifting and was subsequently reactivated as a north-directed thrust fault during Paleozoic extension and Mesozoic compression. The direction of movement along Mesozoic thrust faults in the region is generally towards the north. The Kathleen Lakes fault is an enigmatic structure with uncertain kinematics. It likely has a long history that may have begun as a normal fault in the Neoproterozoic and has since been reactivated, possibly accommodating strike-slip and normal movement.

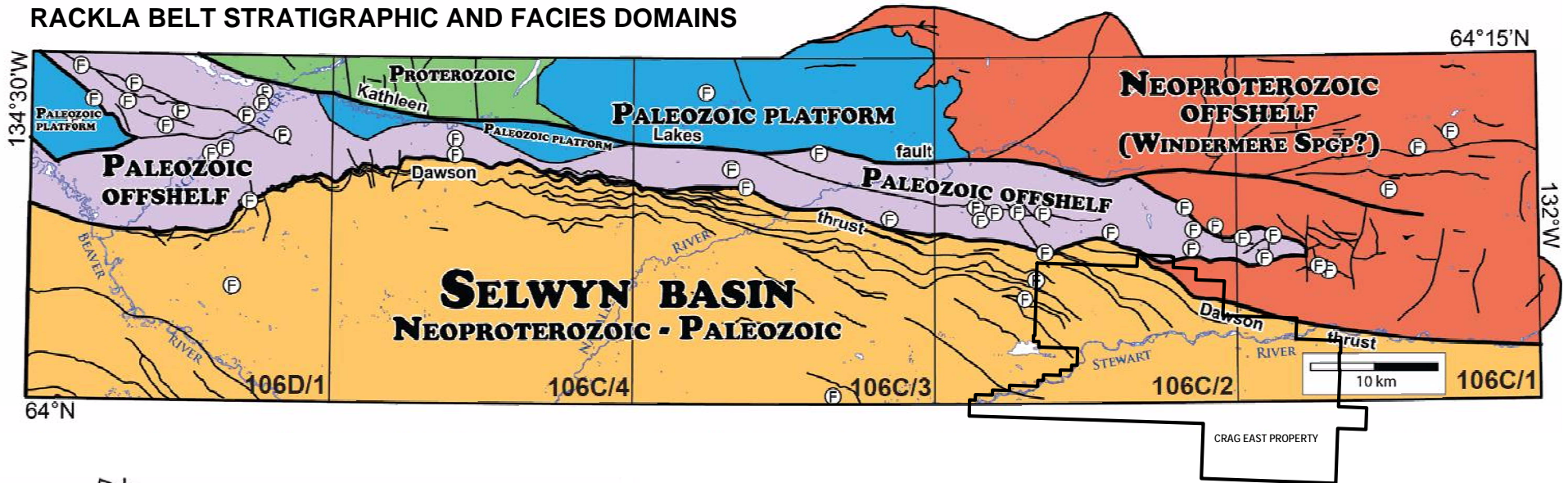
Both extensional and apparent sinistral strike-slip faults cross-cut structures associated with compression and characterize some of the youngest deformation in the Rackla Belt. Some strike-slip reactivation may have occurred along both the Kathleen Lakes and Dawson Thrust faults; however, the amount of motion is likely very small and appears to die out to the east. The youngest cross-cutting structures may play an important role in Carlin-style gold mineralization.

The Rackla Belt can be divided into five stratigraphic and facies domains that are generally bounded by the Dawson Thrust and Kathleen Lakes faults (Figure 3).

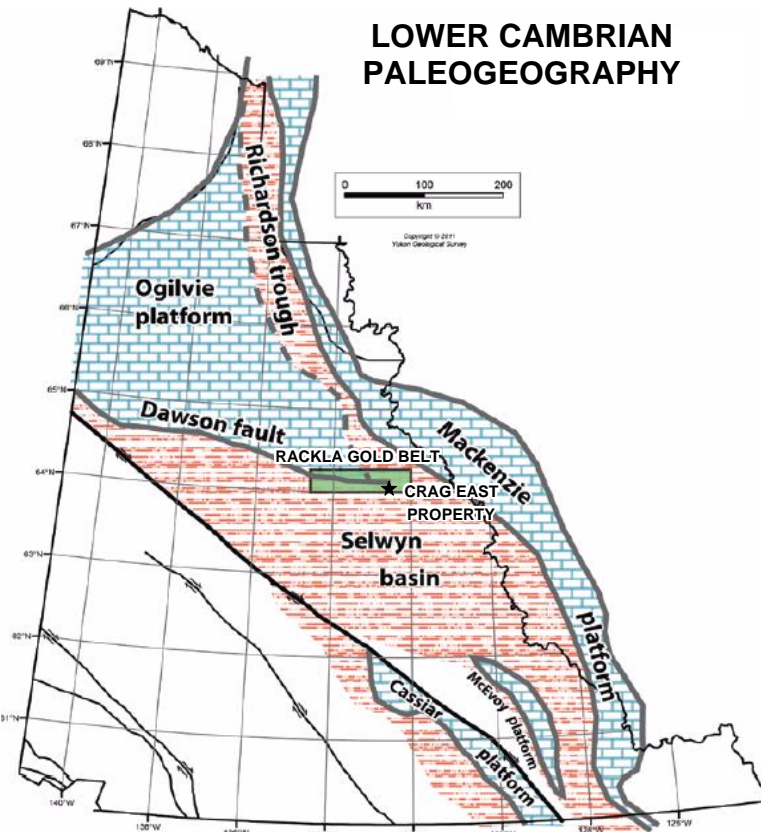
- 1) Neoproterozoic to Paleozoic Selwyn Basin: The southern part of the belt (hanging wall of the Dawson Thrust Fault) comprises Neoproterozoic to Upper Paleozoic predominantly off-shelf clastic sedimentary rocks of Selwyn Basin;
- 2) Paleozoic Off-shelf: To the north of the Selwyn Basin, Ordovician to Permian off-shelf carbonate and shale (including abundant debris flow and turbidite deposits) are bound by the Dawson Thrust and Kathleen Lakes faults;
- 3) Neoproterozoic Off-shelf (Windermere Supergroup?): In the northeastern part of the belt, rocks in the footwall of the Dawson Thrust Fault consist of fine-grained siliciclastic and carbonate rocks. Ediacaran fossils in this sequence suggest correlation with the upper part of the Neoproterozoic Windermere Supergroup;
- 4) Paleozoic Platform: Platformal carbonate rocks of Ordovician to Devonian age occur mainly north of the Kathleen Lakes Fault in the central part of the belt. A notable exception is a window of this package at the west end of the belt; and
- 5) Proterozoic: Older Proterozoic rocks of the Wernecke Supergroup and Pinguicula Group occupy the region north of the Kathleen Lakes Fault in the northwestern part of the belt.

The transition between platformal and basinal facies varies around Selwyn Basin. Its eastern boundary exhibits a more typical facies transition that migrates through time. By contrast, the northern boundary of Selwyn Basin is strongly localized and was apparently controlled by the Dawson Thrust Fault. Figure 4 illustrates an idealized cross-section through Rackla Belt stratigraphy, along the northern boundary of Selwyn Basin.

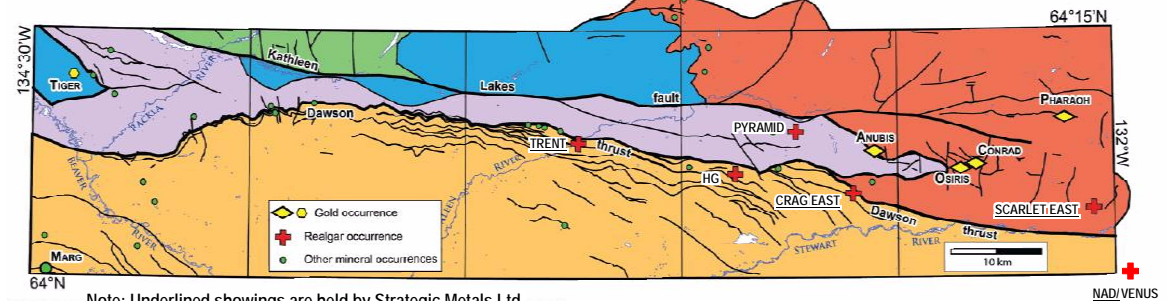
# RACKLA BELT STRATIGRAPHIC AND FACIES DOMAINS



## LOWER CAMBRIAN PALEOGEOGEOGRAPHY



## MINERALIZATION ALONG RACKLA BELT

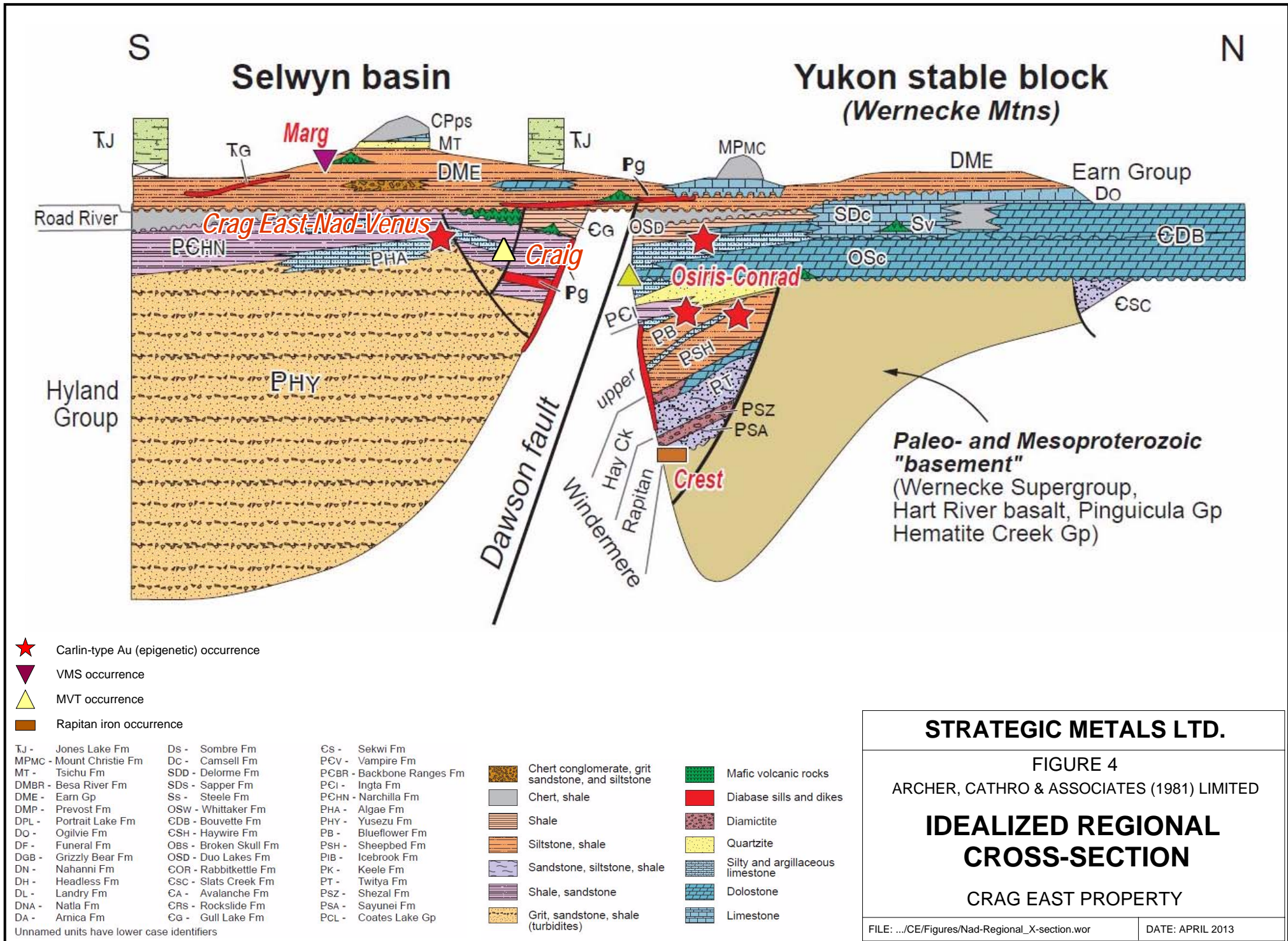


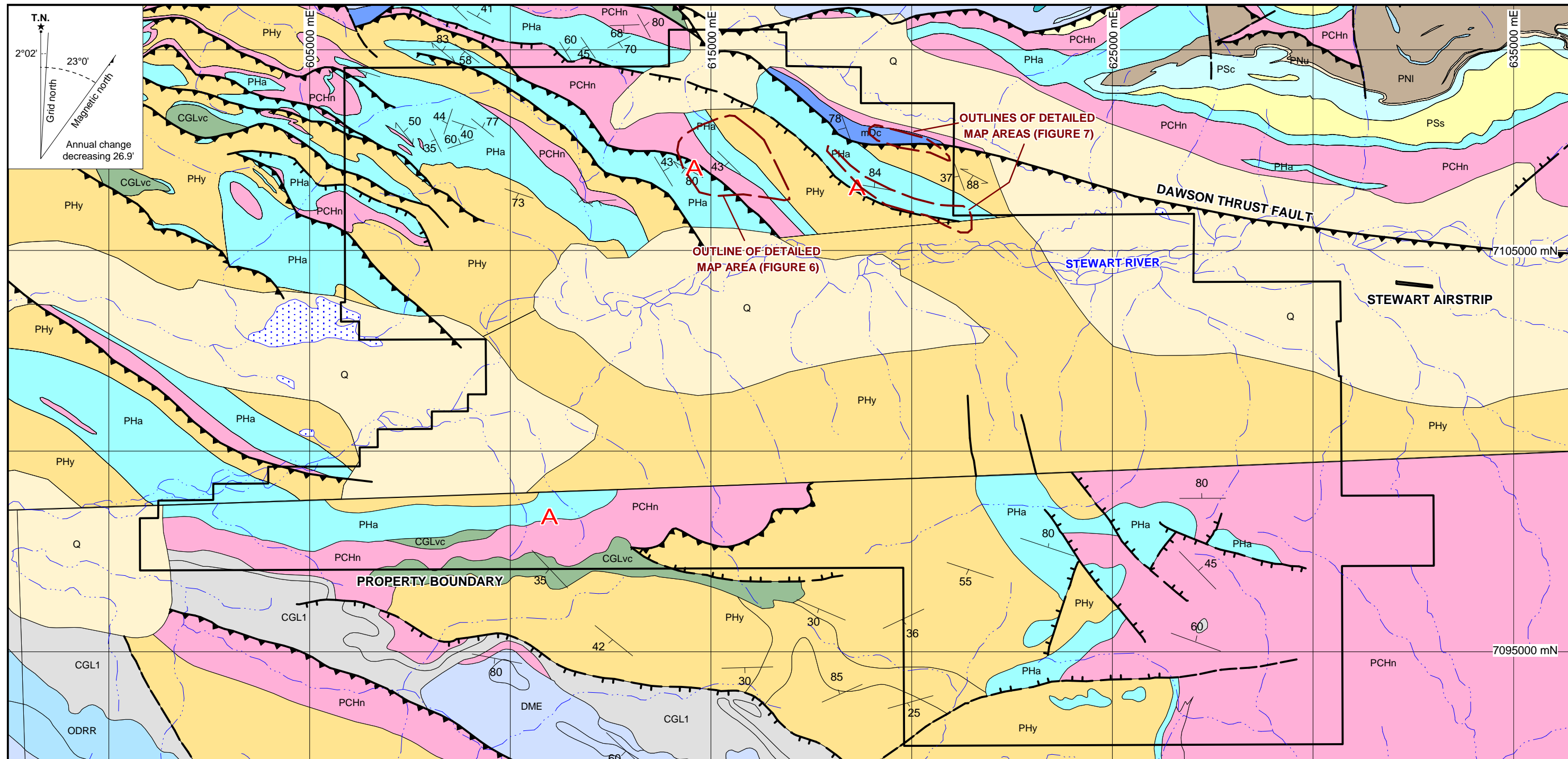
## STRATEGIC METALS LTD.

FIGURE 3  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# RACKLA BELT REGIONAL GEOLOGY

CRAG EAST PROPERTY





**QUATERNARY**

**Q** Quaternary - unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand and gravel, and local volcanic ash, in part with cover or soil and organic deposits

**DEVONIAN AND MISSISSIPPIAN**

**DME** Earn Group (undivided) - complex assemblage of submarine fan and channel deposits, within black siliceous shale and chert, and including separated small occurrences of felsic volcanic rocks; barite common

**MIDDLE DEVONIAN**

**mDc** Light grey crinoidal limestone, contains "two-hole" and "star" crinoids

**ORDOVICIAN TO LOWER DEVONIAN**

**ODRR** Road River Group (undivided) - black shale and chert overlain by orange siltstone or buff platy limestone

**LOWER TO MIDDLE CAMBRIAN**

**CGLvc** Gull Lake Formation? - brown weathering, green volcanic sandstone, siltstone; locally gritty; conglomerate with mud chips; local orange weathering dolostone bands

**CGL1** Gull Lake Formation - shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist

**NEOPROTEROZOIC (EDIACARAN) TO LOWER CAMBRIAN**

**PCHn** Hyland Group (Narchilla Formation) - maroon and green shale and siltstone, locally bioturbated; locally grey, brown shale; locally green and white sandstone; yellowish-buff weathering dolomitic limestone

**NEOPROTEROZOIC (EDIACARAN)**

**PHa** Hyland Group (Algae Formation) - light grey to yellowish-buff weathering dolomitic limestone and dolostone, variably dolomitized and variably silty/sandy; locally fine grained, dolomitic sandstone; commonly graded and cross-bedded; minor grey and/or maroon shale; local debris flow units - generally limestone pebble to cobble breccia and conglomerate; some polymictic breccia, locally boulder size

**PHy** Hyland Group (Yusezyu Formation) - brownish-grey sandstone and grit (pebbly sandstone), calcareous near top of unit; brown, grey, olive green and locally maroon shale and siltstone; locally quartz pebble conglomerate

**PSs** Stenbraten Assemblage (Upper) - "upper mixed clastic sequence" - brown weathering, grey shale and siltstone; minor sandstone and grit; rhythmically bedded, brown weathering, grey limestone and shale; calcareous shale; thinly bedded, grey limestone

**PSc** Stenbraten Assemblage (Lower) - "carbonate marker" - grey, buff, tan and orange weathering dolostone, dolomitic sandstone and limestone, commonly planar and/or cross laminated; calcareous shale and siltstone; maroon shale; carbonate-clast diamictite and conglomerate; pink weathering siltstone at base of unit

**PNu** Nadaleen Assemblage (Upper) - orange weathering, greenish-brown, rhythmically bedded, fine grained sandstone, siltstone, mudstone; polymictic diamictite, conglomerate (carbonate and quartz pebble to cobble); maroon and green fine grained sandstone-siltstone-mudstone

**PNI** Nadaleen Assemblage (Lower) - brownish-grey siltstone, mudstone, limestone; rhythmically, thin to medium bedded mudstone and limestone; local pink-grey quartz sandstone and quartzite; calcareous grit and sandstone

Normal fault    
 Bedding (strike and dip)    
 Reaglar mineralization  
 Thrust fault    
 Cleavage (strike and dip)

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FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GENERAL PROPERTY GEOLOGY**  
 CRAG EAST PROPERTY

0 5 km

UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15

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The Crag East property primarily lies within the Neoproterozoic to Paleozoic Selwyn Basin domain. A relatively small area in the north-central part of the property straddles the Dawson Thrust Fault and covers strata belonging to the Neoproterozoic offshelf domain (Figures 3 and 4). The property is entirely underlain by Hyland Group fine grained siliciclastic and carbonate rocks (Figure 5), with the exception of minor volcanics along the southern property boundary, fossiliferous limestone near the north-central boundary, and extensive Quaternary sediments blanketing the main valleys. These units, and others that lie within the area shown on Figure 5, are described in Table I.

**Table I – Regional Lithological Units (after Colpron et al, 2013)**

Unit Name	Age	Map Unit	Description
Quaternary	Quaternary	Q	Unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand and gravel, and local volcanic ash, in part with cover or soil and organic deposits.
Earn Group	Devonian and Mississippian	DME	Complex assemblage of submarine fan and channel deposits, within black siliceous shale and chert, and including separated small occurrences of felsic volcanic rocks; barite common.
Unnamed	Middle Devonian	mD <sub>C</sub>	Light grey crinoidal limestone, contains "two-hole" and "star" crinoids.
Road River Group	Ordovician to Lower Devonian	OD <sub>RR</sub>	Black shale and chert overlain by orange siltstone or buff platy limestone.
Gull Lake Formation	Lower to Middle Cambrian	CGL <sub>VC</sub>	Brown weathering, green volcanic sandstone, siltstone; locally gritty; conglomerate with mud chips; local orange weathering dolostone bands.
		CGL1	Shale, siltstone and mudstone, locally bio-turbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist.
Narchilla Formation (Hyland Group)	Neoproterozoic (Ediacaran) to Lower Cambrian	PCHn	Maroon and green shale and siltstone, locally bioturbated; locally grey, brown shale; locally green and white sandstone; yellowish-buff weathering dolomitic limestone.
Algae Formation (Hyland Group)	Neoproterozoic (Ediacaran)	PHa	Light grey to yellowish-buff weathering dolomitic limestone and dolostone, variably dolomitized and variably silty/sandy; locally fine grained, dolomitic sandstone; commonly graded and cross-bedded; minor grey and/or maroon shale; local debris flow units - generally limestone pebble to cobble breccia and conglomerate; some polymictic breccia, locally boulder size.
Yusezyu Formation		PHY	Brownish-grey sandstone and grit (pebbly sandstone), calcareous near top of unit; brown, grey, olive green and locally maroon shale and siltstone; locally quartz pebble conglomerate.
Stenbraten		PSs	Brown weathering, grey shale and siltstone; minor

Assemblage (Upper)			sandstone and grit; rhythmically bedded, brown weathering, grey limestone and shale; calcareous shale; thinly bedded, grey limestone.
Stenbraten Assemblage (Lower)		PSc	Grey, buff, tan and orange weathering dolostone, dolomitic sandstone and limestone, commonly planar and/or cross laminated; calcareous shale and siltstone; maroon shale; carbonate-clast diamictite and conglomerate; pink weathering siltstone at base of unit.
Nadaleen Assemblage (Upper)		PNu	Orange weathering, greenish-brown, rhythmically bedded, fine grained sandstone, siltstone, mudstone; polymictic diamictite, conglomerate (carbonate and quartz pebble to cobble); maroon and green fine grained sandstone-siltstone-mudstone.
Nadaleen Assemblage (Lower)		PNl	Brownish-grey siltstone, mudstone, limestone; rhythmically, thin to medium bedded mudstone and limestone; local pink-grey quartz sandstone and quartzite; calcareous grit and sandstone.

### **PROPERTY GEOLOGY**

Based on regional-scale government mapping, the Crag East property is almost wholly underlain by the Yusezyu, Algae Lake and Narchilla formations of Hyland Group (Figure 5).

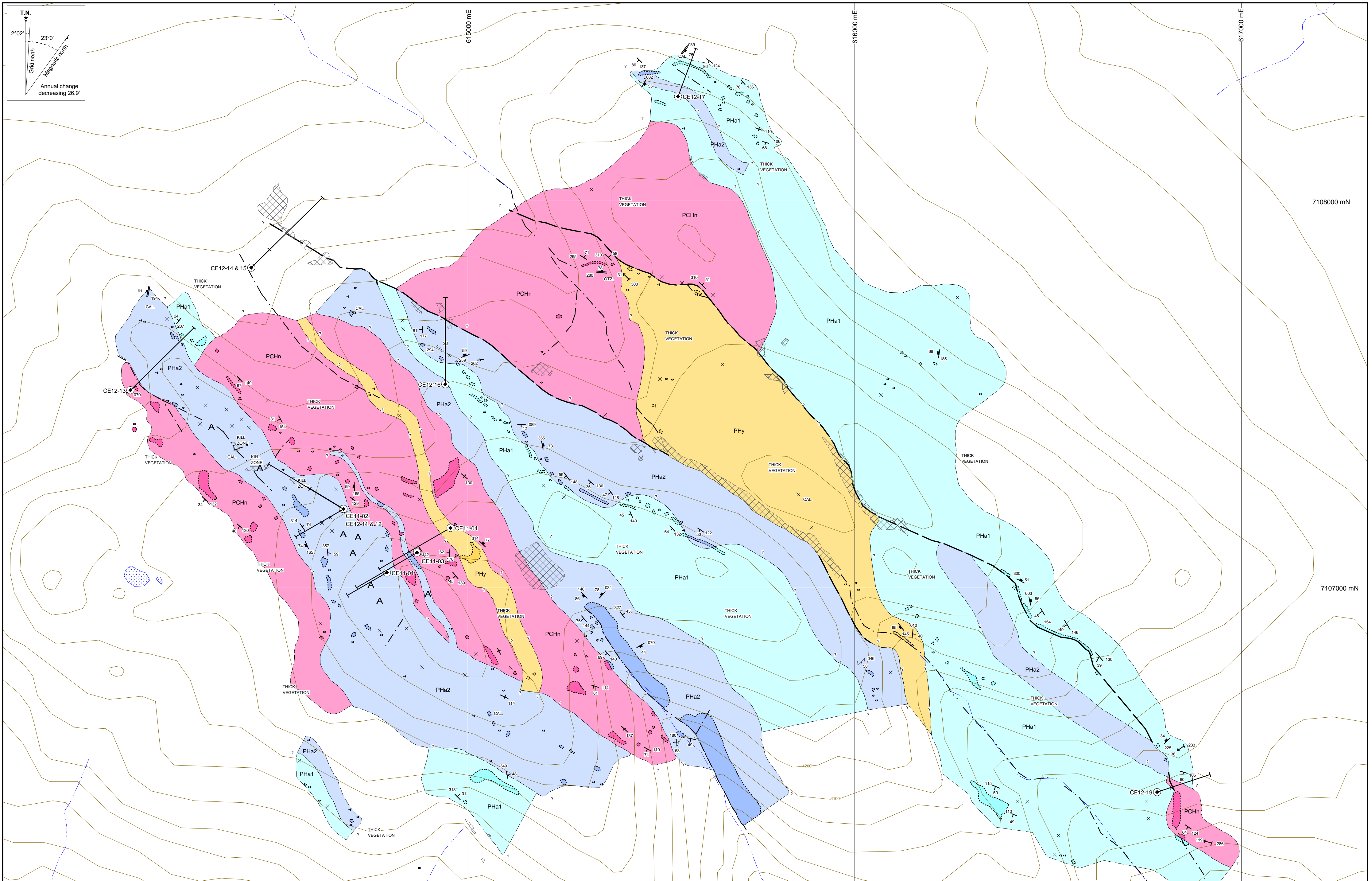
The northern part of the property is dominated by northwesterly trending, fault-repeated sequences of Yusezyu, Algae Lake and Narchilla formations. The Dawson Thrust Fault trends southeasterly across the north-central part of the property, where it juxtaposes Algae Lake and Yusezyu formations against an unnamed, Middle Devonian fossiliferous limestone horizon. All faults mapped in this area parallel the strike and southwesterly dip of the Dawson Thrust Fault.

The southern part of the property comprises a more chaotically-oriented assemblage of Yusezyu, Algae Lake and Narchilla formations. Faults within this part of the property are primarily oriented to the east, southeast and northeast and juxtapose the siliciclastic and carbonate units against one another. Gull Lake Formation volcanoclastic horizons were mapped in the southwestern corner of the property and parallel Narchilla and Algae Lake formations.

Exposure is poor in the central part of the property, which is dominated by the Stewart River valley. This area has been mapped as Yusezyu Formation siliciclastic rocks blanketed by Quaternary unconsolidated sediments.

In 2011 and 2012, Strategic Metals performed detailed geological mapping at a 1:2500 scale in three areas within the northern part of the property. These areas are outlined on Figure 5 and the geology is illustrated on Figures 6 and 7. Mapping was severely limited in many areas due to the paucity of outcrop, thick overburden and dense vegetative cover. Where mapping was possible, it confirmed and better defined the government's regional-scale lithological contacts. Descriptions of the units observed within the detailed map areas are listed in Table II.





**NEOPROTEROZOIC (EDIACARAN) TO LOWER CAMBRIAN**

**PCHn** Narchilla Formation - platy maroon and green shale, locally interbedded with very fine grained limestone beds up to 5 cm thick

**NEOPROTEROZOIC (EDIACARAN)**

**PHa1** Algae Lake Formation - poorly bedded, buff to orange weathering, sandy debris limestone with rounded, variably sized, polymict clasts of sandstone and other carbonate rocks

**PHa2** Algae Lake Formation - well bedded, tan weathering, medium to coarse grained, medium to dark grey dolomitic limestone; commonly displays cross-bedding and planar laminations; locally interbedded with thin, cm-scale shale horizons

**PHy** Yusezyu Formation - buff to orange weathering, grey, quartzo-feldspathic shales and sandstones, characterized by about 30% medium to coarse grains of feldspar oxidizing to orange limonite; rarely clastic with rounded polymict clasts and cobbles

2012 diamond drill hole

Lithological contact

Bedding (strike and dip)

Foliation (strike and dip)

Fracture (strike and dip)

Vein (strike and dip)

Lineation (trend and plunge)

Vegetation kill zone

Antiformal fold (trend and plunge)

Synformal fold (trend and plunge)

Linear (gully)

Fault

Mineralization

Subcrop/talus

QTZ/CAL Significant quartz or calcite veining

**STRATEGIC METALS LTD.**

**FIGURE 6**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

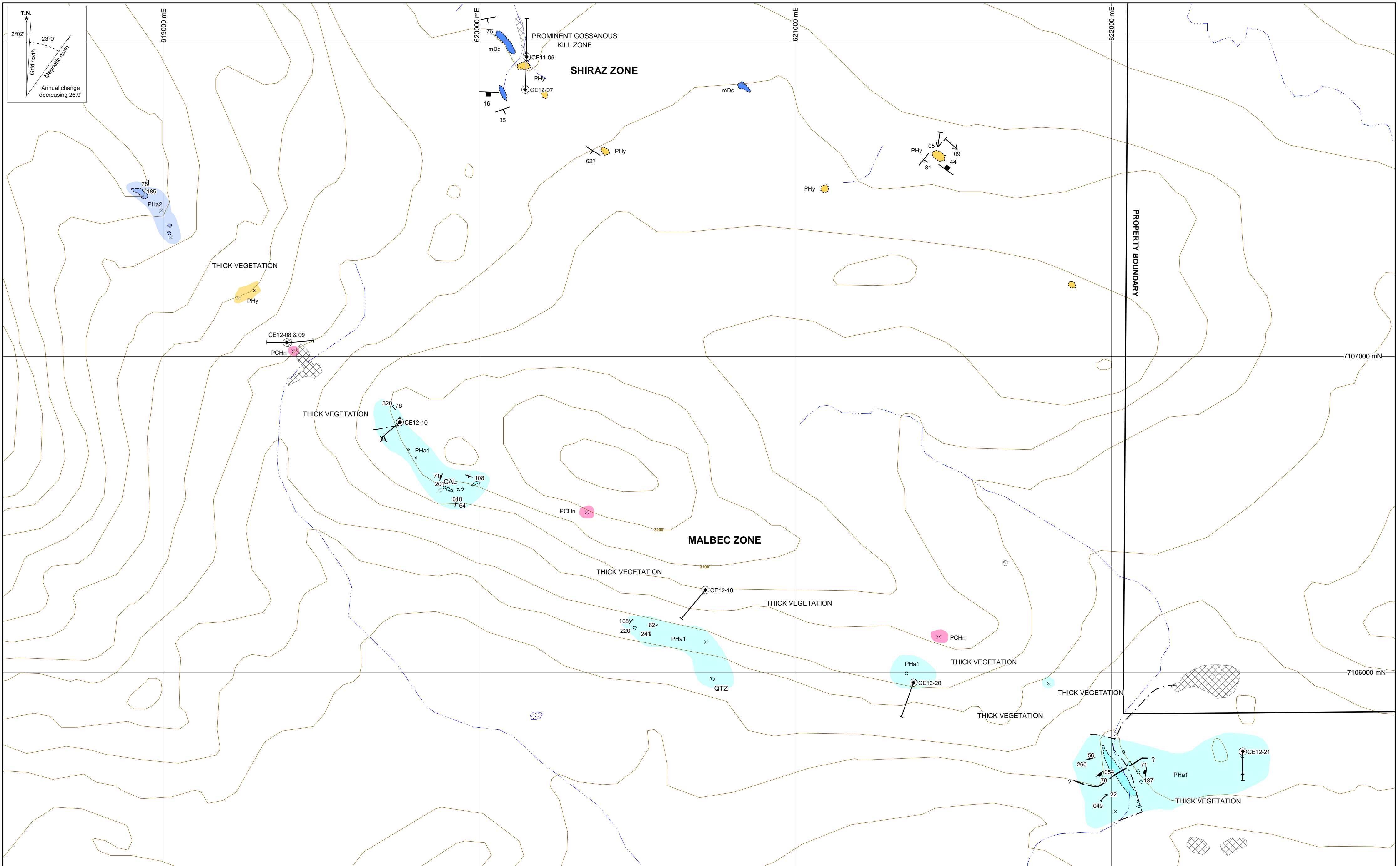
**DETAILED GEOLOGY OF MERLOT ZONE**

**CRAG EAST PROPERTY**

0 500 m

UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15

FILE: ...2012/CE/Figures/F\_6\_Detailed\_geology.WOR DATE: APR 2013



<b>MIDDLE DEVONIAN</b>	2012 diamond drill hole	Antiformal fold (trend and plunge)
mDc Light grey, chrinoidal limestone	Lithological contact	Synformal fold (trend and plunge)
<b>NEOPROTEROZOIC (EDIACARAN) TO LOWER CAMBRIAN</b>	Bedding (strike and dip)	Linear (gully)
PCHn Narchilla Formation - Platey maroon and green shale, locally interbedded with very fine grained limestone beds up to 5 cm thick.	Foliation (strike and dip)	Fault
<b>NEOPROTEROZOIC (EDIACARAN)</b>	Fracture (strike and dip)	Mineralization
PHa1 Algae Lake Formation - poorly bedded, buff to orange weathering, sandy debris limestone with rounded, variably sized, polymict clasts of sandstone and other carbonate rocks	Vein (strike and dip)	Subcrop/talus
PHa2 Algae Lake Formation - well bedded, tan weathering, medium to coarse grained, medium to dark grey dolomitic limestone; commonly displays cross-bedding and planar laminations; locally interbedded with thin, cm-scale shale horizons	Lineation (trend and plunge)	Significant quartz or calcite veining
PHy Yusezyu Formation - buff to orange weathering, grey, quartzo-feldspathic shales and sandstones, characterized by about 30% medium to coarse grains of feldspar oxidizing to orange limonite; rarely clastic with rounded polymict clasts and cobbles	Vegetation kill zone	

**STRATEGIC METALS LTD.**

FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**DETAILED GEOLOGY OF  
MALBEC & SHIRAZ ZONES**

CRAG EAST PROPERTY

0 500 m

UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15

FILE: ...2012/CE/Figures/F\_7\_Detailed\_geology.WOR DATE: APR 2013

**Table II – Detailed Map Area Lithological Units**

<b>Unit Name</b>	<b>Age</b>	<b>Map Unit</b>	<b>Description</b>
Unnamed	Middle Devonian	mDc	Light grey, chrinoidal limestone.
Narchilla Formation (Hyland Gr.)	Neoproterozoic to Lower Cambrian	PCHn	Platey maroon and green shale, locally interbedded with very fine grained limestone beds up to 5 cm thick.
Algae Lake Formation (Hyland Gr.)	Neoproterozoic	PHa1	Poorly bedded, buff to orange weathering, sandy debrite limestone with rounded, variably sized, polymict clasts of sandstone and other carbonate rocks.
		PHa2	Well bedded, tan weathering, medium to coarse grained, medium to dark grey dolomitic limestone; commonly displays cross-bedding and planar laminations; locally interbedded with thin, cm-scale shale horizons.
Yusezyu Formation (Hyland Gr.)		PHy	Buff to orange weathering, grey, quartzo-feldspathic shales and sandstones, characterized by about 30% medium to coarse grains of feldspar oxidizing to orange limonite; rarely clastic with rounded polymict clasts and cobbles.

Within the detailed map areas, Hyland Group strata strike southeasterly and commonly dip moderately or steeply to the southwest. Several northeasterly-dipping beds were also observed, which suggests that large-scale folding of the strata is probable. Apparent pinching and swelling of the units at surface may also be indicative of large-scale antiformal and synformal fold sequences.

Numerous small to relatively extensive (up to 120 by 100 m) vegetative kill zones were observed throughout the mapped areas. They are most common along pronounced linears, which typically mark lithological breaks and fault zones.

### **REGIONAL MINERALIZATION**

The Rackla Belt is host to a range of mineralization types, including various styles of base metal and gold occurrences (Colpron et al, 2013). The majority of mineral occurrences lie in close proximity to the Dawson Thrust Fault. Notable occurrences include the Marg volcanogenic massive sulphide deposit and the Tiger carbonate-replacement gold deposit in the western part of the belt, the Craig Mississippi Valley type(?)/replacement-style zinc-lead deposits in the central part of the belt and the district of recently discovered Carlin-type gold occurrences in the eastern part.

The Crag East property lies at the eastern end of the Rackla Belt, approximately 5 to 14 km southwest of ATAC's Carlin-type gold discoveries that include six drill confirmed zones – Osiris, Conrad, Isis, Isis East, Sunrise and Anubis – collectively known as the Nadaleen Trend (Figures 3 and 4). These occurrences lie in the footwall of the Dawson Thrust Fault and are hosted by Middle Proterozoic to Lower Paleozoic silty limestone, calcareous diamictites, non-

calcareous siliciclastics and mafic intrusions that have undergone polyphase deformation (ATAC Resources, 2013). Gold mineralization occurs within all units but is best developed within the limestone sequences where alteration is characterized by decalcification accompanied by peripheral calcite flooding. Mineralization within non-calcareous rocks is generally hosted within brittle fractures and is directly associated with fault breccia and/or intense fracture development. Gold mineralization is most commonly associated with black, fine grained, sooty pyrite, and is sometimes accompanied by realgar and orpiment.

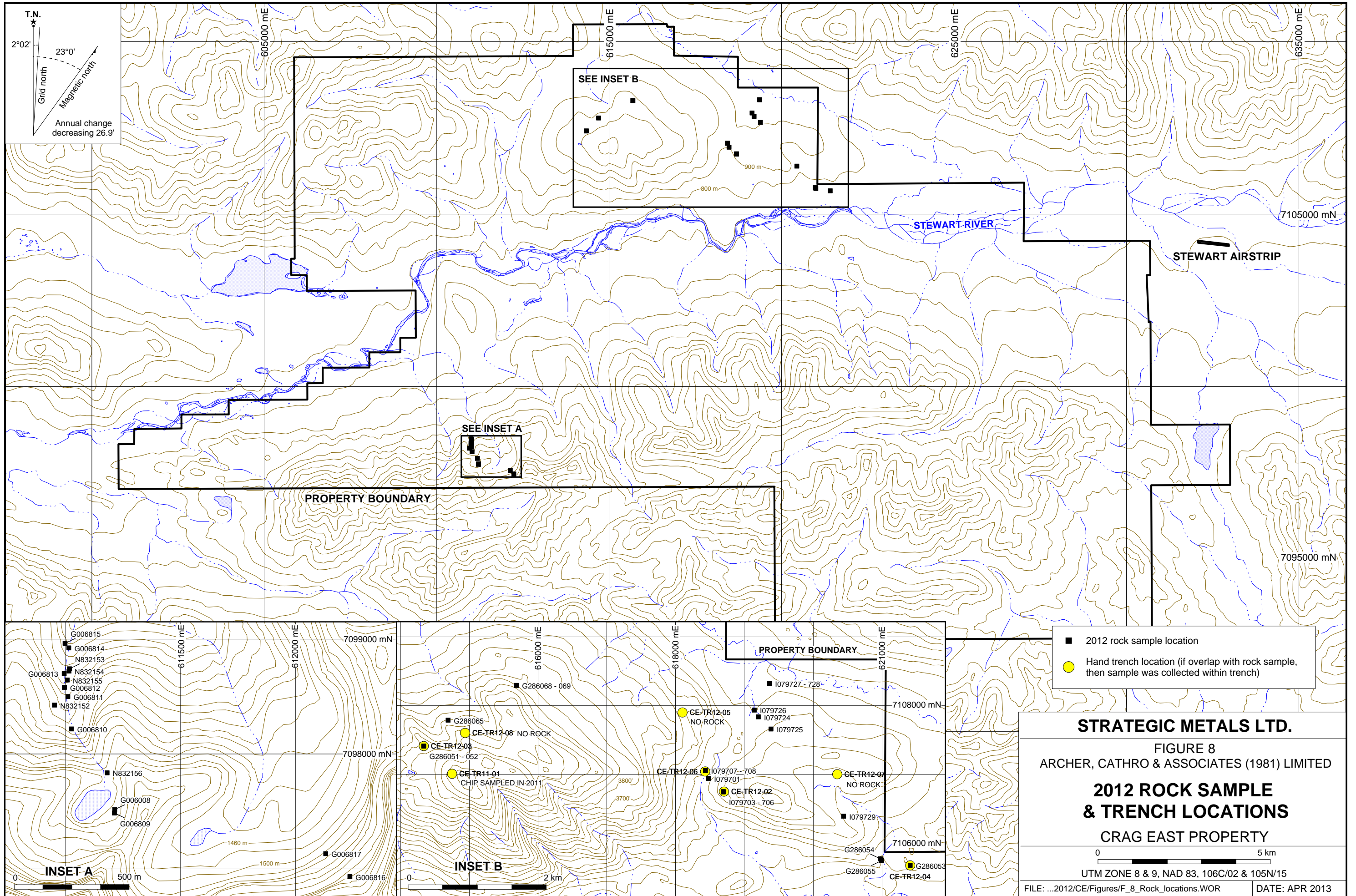
The Crag East property lies approximately 30 km west-northwest of Anthill Resources' recent Carlin-type gold discovery (Venus Zone). Anthill Resources' initial exploration targeted prospective Algae Lake stratigraphy within the hangingwall of the Dawson Thrust Fault. This work identified gold values up to 8.52 g/t in soil, 87.2 g/t in bedrock and 9.76 g/t over 38.7 m in drill core (Anthill Resources, 2013).

### **PROPERTY MINERALIZATION AND HAND TRENCHING**

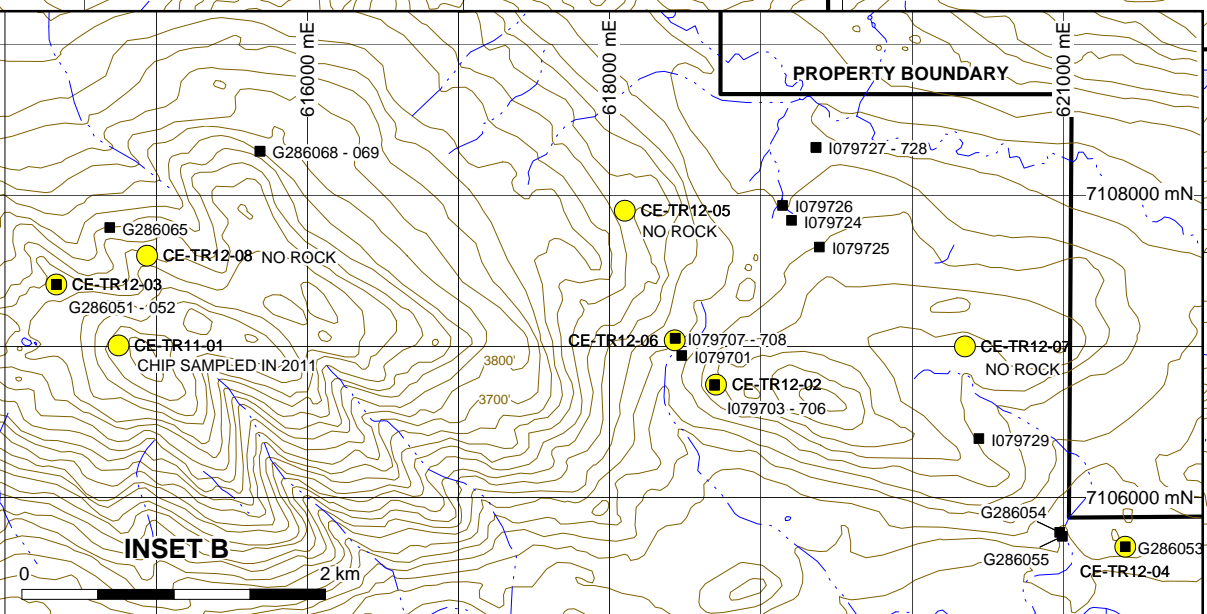
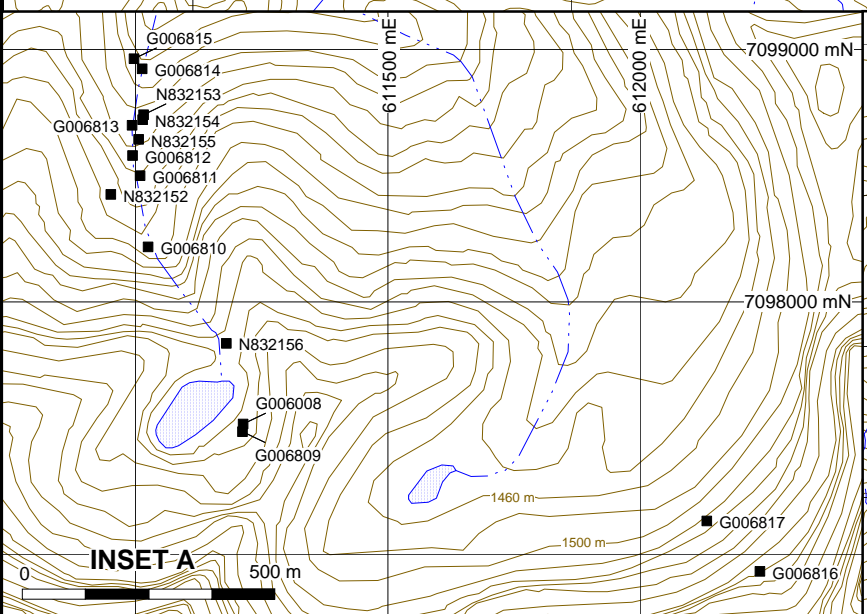
Strategic Metals collected 31 rock samples from the property in 2011 and an additional 36 samples in 2012. Eighteen of these samples comprised float, bedrock specimen or chip samples collected from hand trenches, which were dug in 2011 (one trench) and 2012 (seven trenches) to follow-up surface mineralization and/or elevated soil sample values. Hand trenches and 2012 sample locations are plotted on Figure 8, while results from both years for arsenic, mercury, thallium and antimony are illustrated thematically on Figures 9 to 12. Gold results are not illustrated or discussed throughout this section because all values are background to very weak (less than 0.018 g/t). The 2012 Rock Sample Descriptions are provided in Appendix III and Certificates of Analysis are given in Appendix IV.

In 2012, rock sample sites were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Rock sample preparation and multi-element analyses were carried out at ALS Minerals laboratories in Whitehorse, Yukon and North Vancouver, BC. Each sample was dried and fine crushed to better than 70% passing 2 mm, and then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Over limit arsenic and zinc values were determined using aqua regia digestion with inductively coupled plasma and either atomic emission spectroscopy or atomic absorption spectroscopy (As- and Zn-OG46).

In 2011, Strategic Metals discovered three zones of mineralization – the Merlot, Malbec and Shiraz zones. In 2012, prospecting and minor hand trenching were performed to follow-up these mineralized zones, their surrounding soil geochemical anomalies and other, non-related soil and stream sediment anomalies. This work led to the discovery of a fourth mineralized zone – Tasin Zone – located about 10 km south-southwest of the other three zones.

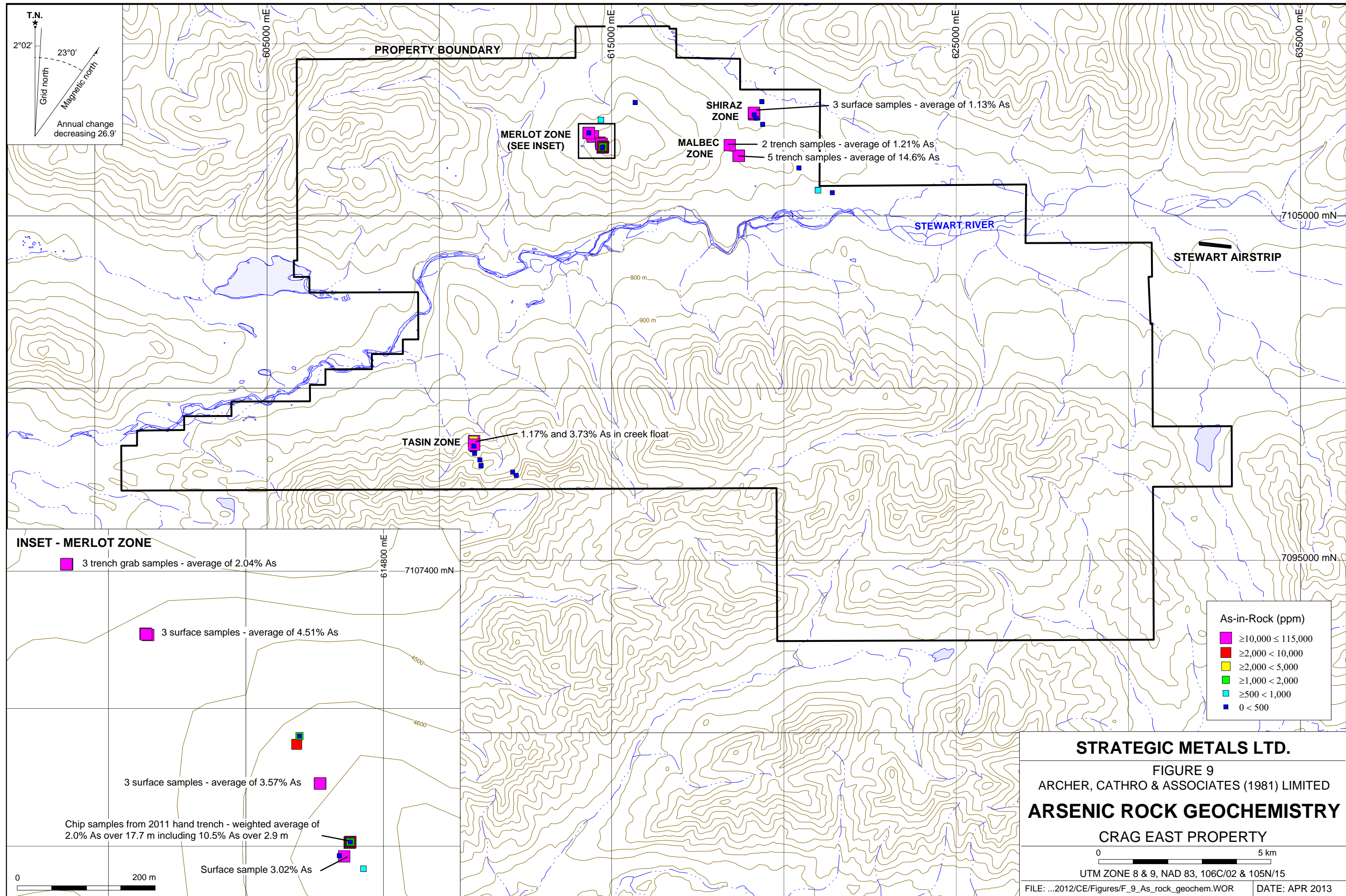


T.N.  
 2°02'  
 Grid north  
 23°0'  
 Magnetic north  
 Annual change decreasing 26.9'



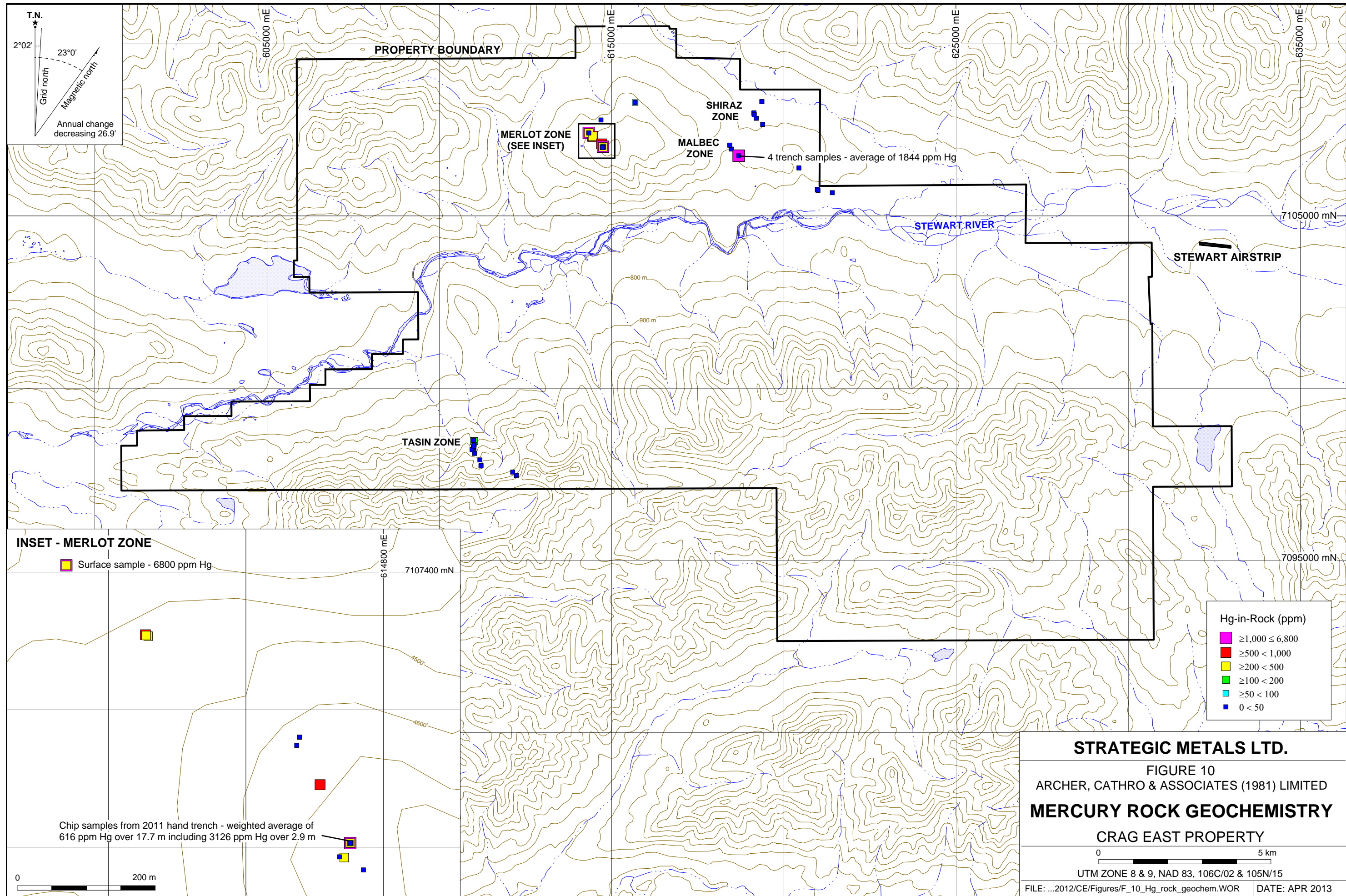
■ 2012 rock sample location  
 ● Hand trench location (if overlap with rock sample, then sample was collected within trench)

**STRATEGIC METALS LTD.**  
**FIGURE 8**  
**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**2012 ROCK SAMPLE & TRENCH LOCATIONS**  
**CRAG EAST PROPERTY**  
 0 5 km  
 UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15  
 FILE: ...2012/CE/Figures/F\_8\_Rock\_locations.WOR DATE: APR 2013



**STRATEGIC METALS LTD.**

FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ARSENIC ROCK GEOCHEMISTRY**  
 CRAG EAST PROPERTY



**INSET - MERLOT ZONE**

Surface sample - 6800 ppm Hg

Chip samples from 2011 hand trench - weighted average of 616 ppm Hg over 17.7 m including 3126 ppm Hg over 2.9 m

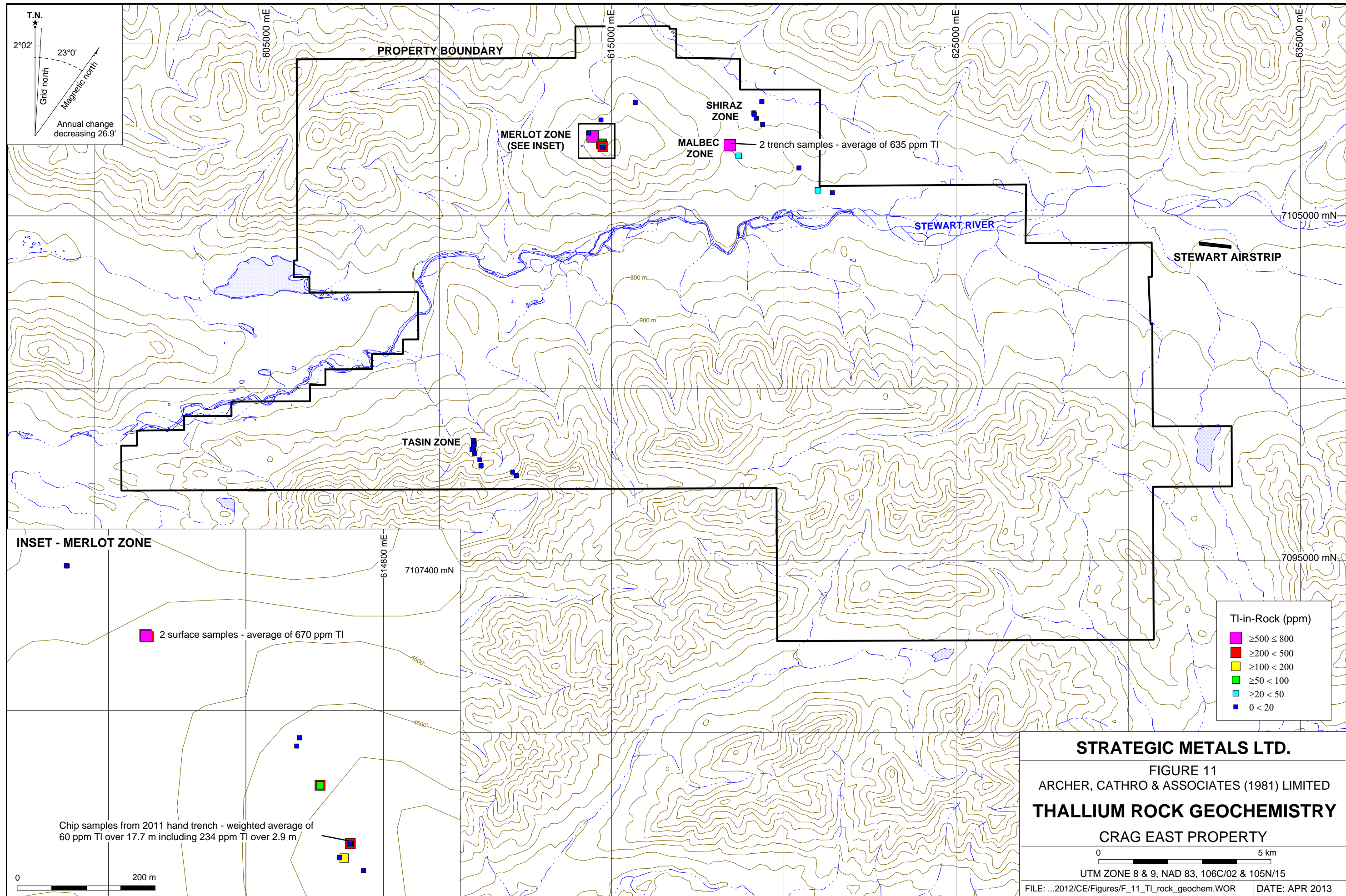
**STRATEGIC METALS LTD.**

FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**MERCURY ROCK GEOCHEMISTRY**  
 CRAG EAST PROPERTY

0 5 km

UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15

FILE: ...2012/CE/Figures/F\_10\_Hg\_rock\_geochem.WOR DATE: APR 2013



**STRATEGIC METALS LTD.**

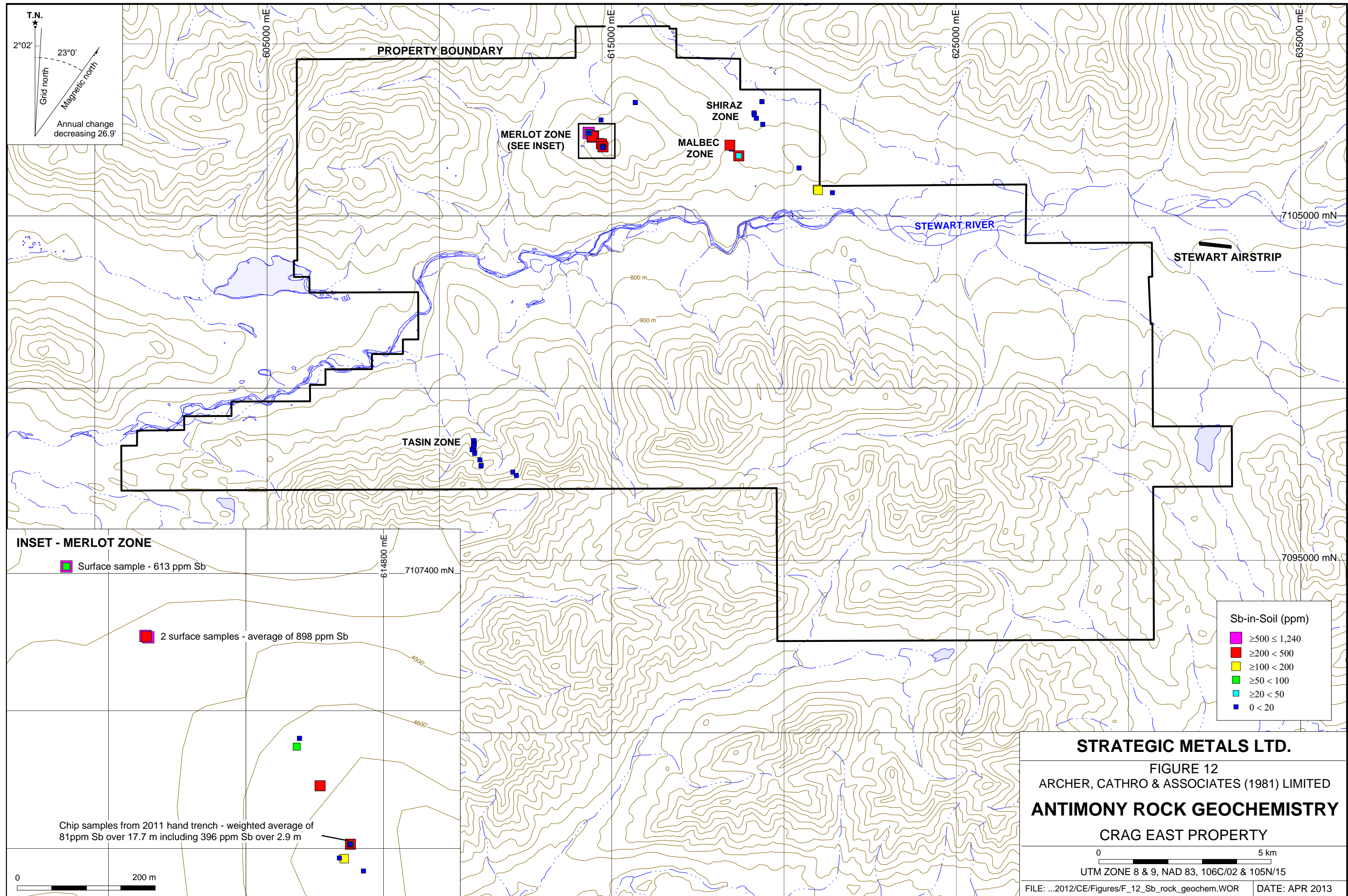
FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**THALLIUM ROCK GEOCHEMISTRY**

CRAG EAST PROPERTY





**STRATEGIC METALS LTD.**

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ANTIMONY ROCK GEOCHEMISTRY**

CRAG EAST PROPERTY

The **Merlot Zone** is defined at surface by several clusters of realgar-bearing, sooty, decalcified Algae Lake Formation limestone and dolostone cobbles, which are exposed in local vegetative kill zones within a subtle, largely grass-covered, southeasterly trending, relatively linear gully. Mineralization has been traced for about 600 m along the gully, which lies sub-parallel to local bedding. Honey sphalerite, galena and blebby boxwork limonite were observed within a few realgar-bearing cobbles at the northwestern end of the known mineralized zone.

A total of 25 rock samples have been collected from this zone, including 14 float and float composite samples from surface and 11 specimen and chip samples from two trenches excavated 575 m apart to test mineralization at the northwest and southeast ends of the zone. Samples collected along the length of the Merlot Zone returned very strongly elevated values for arsenic, mercury, thallium and antimony. Strongly elevated zinc and lead values were obtained from the sphalerite-, galena- and limonite-bearing samples taken at the northwest end of the zone. A series of continuous chip samples collected within the trench at the southeastern end of the zone (TR-11-01) yielded a weighted average of 2.0% arsenic, 616 ppm mercury, 60 ppm thallium and 81 ppm antimony over 17.7 m, including 10.5% arsenic, 3126 ppm mercury, 234 ppm thallium and 396 ppm antimony over 2.9 m. Highlight results from rock samples collected within the Merlot Zone are listed in Table III.

**Table III – Merlot Zone Significant Rock Sample Results**

Sample #	Sample Type	As (ppm)	Hg (ppm)	Tl (ppm)	Sb (ppm)	Zn* (ppm)	Pb* (ppm)
I079139	Float	31400	6800	15.4	613	215000	23800
I079141	Float	17600	416	430	557	1630	524
I079143	Float composite	106500	820	800	1240	750	1680
I079148	Float	19700	85.2	185.5	47.4	35	12.0
I079149	Float	53000	487	206	355	53	20.6
I079151	Float	30200	358	154.5	156.5	16	28.3
I079153	Float	10400	446	4.11	50.7	14150	3870
I079154	Float	11100	328	540	319	174	243
I079155	Float	34400	687	56.9	402	74	41.9
I079156	Float composite	31000	523	143.5	95.1	14	25.6
K976822-828	Trench chip (17.7 m)	20000	616	60	81	33	10.3

The **Malbec Zone** is a second occurrence of realgar-bearing Algae Lake Formation carbonate that was discovered in 2011. It lies four kilometres east of the Merlot Zone, in a heavily vegetated area with less than one percent rock exposure and strong Carlin-type pathfinder soil geochemistry. Only one mineralized cobble was found under moss cover in this area and it returned 0.70% arsenic, 1270 ppm mercury, 6.05 ppm thallium and 29.1 ppm antimony. In 2012, a hand trench (TR-12-02) was dug at the site where the mineralized cobble was discovered. The trench cut a soliflucted package of shattered bedrock, which comprised blue-grey clay with minor realgar fragments; punky, green, very weakly calcareous dolostone; strongly clay-altered, blue-grey, very porous, decalcified dolostone(?) with moderate, pervasive realgar; and shattered, green-orange weathering shale. Composite samples were collected from

each of these rock types and, in order, correspond to samples I079703 to I079706 in Table IV, which lists the significant rock sample results from the Malbec Zone.

**Table IV – Malbec Zone Significant Rock Sample Results**

Sample #	Sample Type	As (ppm)	Hg (ppm)	Tl (ppm)	Sb (ppm)	Zn* (ppm)
I079187	Float	6960	1270	6.05	29.1	23
I079703	TR-12-02 specimen	41000	1275	26	261	102
I079704	TR-12-02 specimen	8210	2140	10.4	49.1	123
I079705	TR-12-02 specimen	73000	2690	5.02	371	43
I079706	TR-12-02 specimen	16300	42.3	31.9	47.4	47
I079707	TR-12-06 specimen	5300	7.18	530	122.5	9420
I079708	TR-12-06 specimen	18900	15.85	740	295	4720

A second hand trench (TR-12-06) was dug at the edge of a pronounced vegetative kill zone located 400 m northwest of the discovery showing. At this site, a shallow, northeasterly trending gully intersects a soil geochemical anomaly that extends northwesterly from the Malbec Zone discovery showing. The trench exposed poorly consolidated breccia with angular, tan to gray dolostone fragments within a porous, black-orange-red matrix. Two composite samples of this material yielded elevated values for Carlin-type pathfinder elements and zinc (see Table IV).

The **Shiraz Zone** comprises a prominent gossanous seep located approximately 4500 m east-northeast of the Merlot Zone. Three composite samples of dark red to black limonite and/or ferricrete collected from the gossan returned elevated values for arsenic and zinc, with background to subdued values for the other Carlin-type pathfinder elements. Results from these composite samples are provided in Table V.

**Table V – Shiraz Zone Significant Rock Sample Results**

Sample #	Sample Type	As (ppm)	Hg (ppm)	Tl (ppm)	Sb (ppm)	Zn (ppm)
I078610	Float composite	11200	0.26	0.53	2.38	2870
I078611	Float composite	11800	0.02	0.25	0.34	19200
I078612	Float composite	11000	0.03	0.29	0.57	21300

The Shiraz Zone lies at the contact between Yusezyu Formation siliciclastic rocks to the south and unnamed, fossiliferous limestone to the north. This contact likely represents the surface trace of the Dawson Thrust Fault.

The newly discovered **Tasin Zone** comprises three blocks of greenish-grey, pitted, clast-supported dolostone breccia with minor pervasive, crystalline realgar, which were discovered within a creek bed 10 km south-southwest of the Merlot Zone. Prospecting was performed within this creek bed to follow up a string of moderately elevated arsenic values obtained from 2011 stream sediment samples. The mineralized rock samples were found scattered over a

distance of 120 m within the creek bed, but the source was not located. Table VI lists the results from the Tasin Zone samples.

**Table VI – Tasin Zone Significant Rock Sample Results**

Sample #	Sample Type	As (ppm)	Hg (ppm)	Tl (ppm)	Sb (ppm)
G006814	Creek float	37300	109.5	1.36	5.61
G006815	Creek float	4520	8.39	0.19	1.01
N832154	Creek float	11700	13.9	0.24	1.16

### **SOIL AND STREAM SEDIMENT GEOCHEMISTRY**

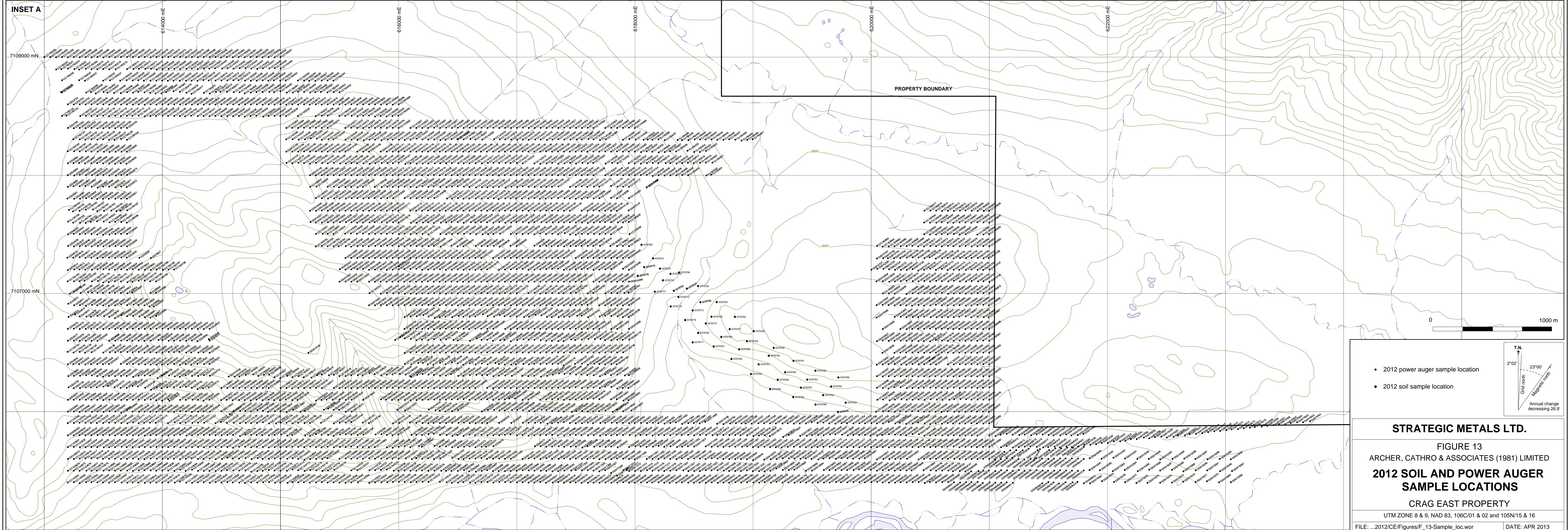
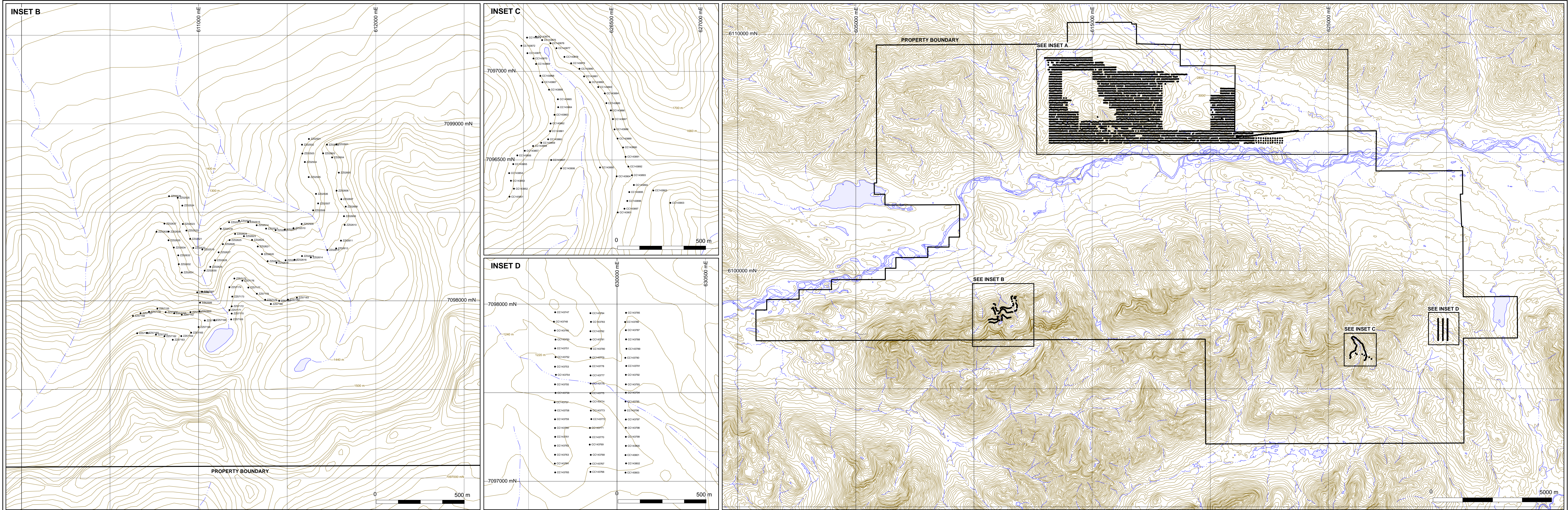
#### **2011 and 2012 Soil Geochemistry**

In 2011, Strategic Metals collected 2009 grid and contour soil samples within the northern part of the Crag East property. The grids encompass the Merlot, Malbec and Shiraz zones. In 2012, an additional 3612 soil samples were taken to link and extend the 2011 grids and to follow up anomalous stream sediment samples in the southern part of the property. The 2012 sample locations are plotted on Figure 13, while results for arsenic, mercury, thallium, antimony and gold are illustrated thematically on Figures 14 through 18, respectively. Certificates of Analysis are given in Appendix IV.

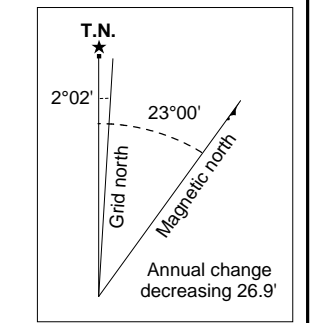
The 2012 soil sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were collected from 10 to 50 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to the ALS Minerals laboratory in Whitehorse, where they were dried and screened to -180 microns. The samples were then shipped to the ALS Minerals laboratory in North Vancouver where they were analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emission spectroscopy finish (Au-ICP21). Anomalous thresholds and peak values for the metals of interest are listed in Table VII.

**Table VII – Threshold and Peak Values for Soil Samples**

Element	Anomalous Thresholds				
	Weak	Moderate	Strong	Very Strong	Peak
Arsenic (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200 < 500	≥ 500	11700
Mercury (ppm)	≥ 1 < 2	≥ 2 < 5	≥ 5 < 10	≥ 10	321
Thallium (ppm)	≥ 1 < 2	≥ 2 < 5	≥ 5 < 10	≥ 10	67.7
Antimony (ppm)	≥ 2 > 5	≥ 5 > 10	≥ 10 < 20	≥ 20	447
Gold (ppb)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	2410
Zinc (ppm)	≥ 500 < 1000	≥ 1000 < 2000	≥ 2000 < 5000	≥ 5000	24300
Lead (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 < 1000	≥ 1000	2820

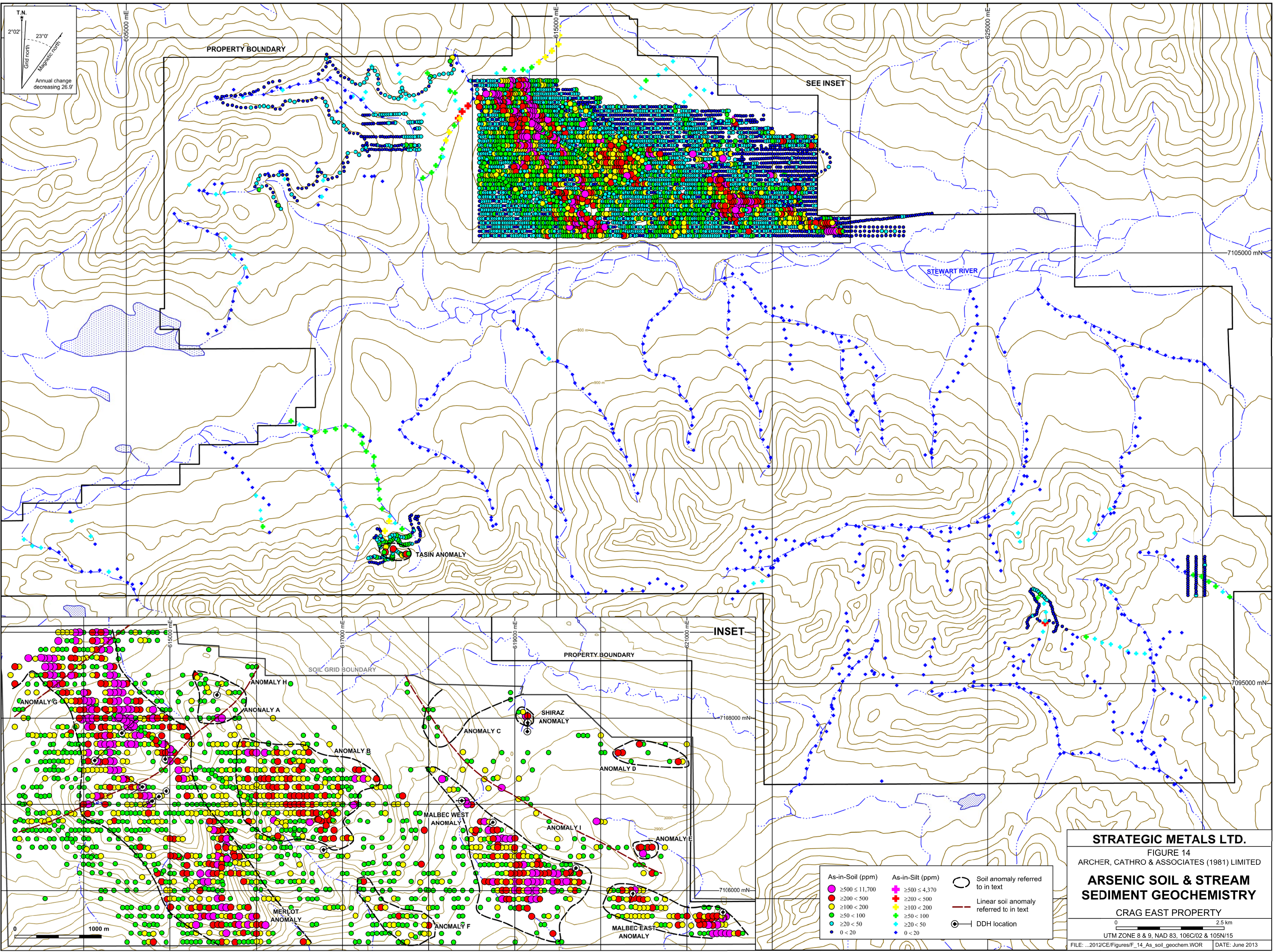


- 2012 power auger sample location
- 2012 soil sample location



**STRATEGIC METALS LTD.**

FIGURE 13  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2012 SOIL AND POWER AUGER  
 SAMPLE LOCATIONS**  
 CRAG EAST PROPERTY  
 UTM ZONE 8 & 9, NAD 83, 106C/01 & 02 and 105N/15 & 16  
 FILE: ...2012/CE/Figures/F\_13-Sample\_loc.wor DATE: APR 2013

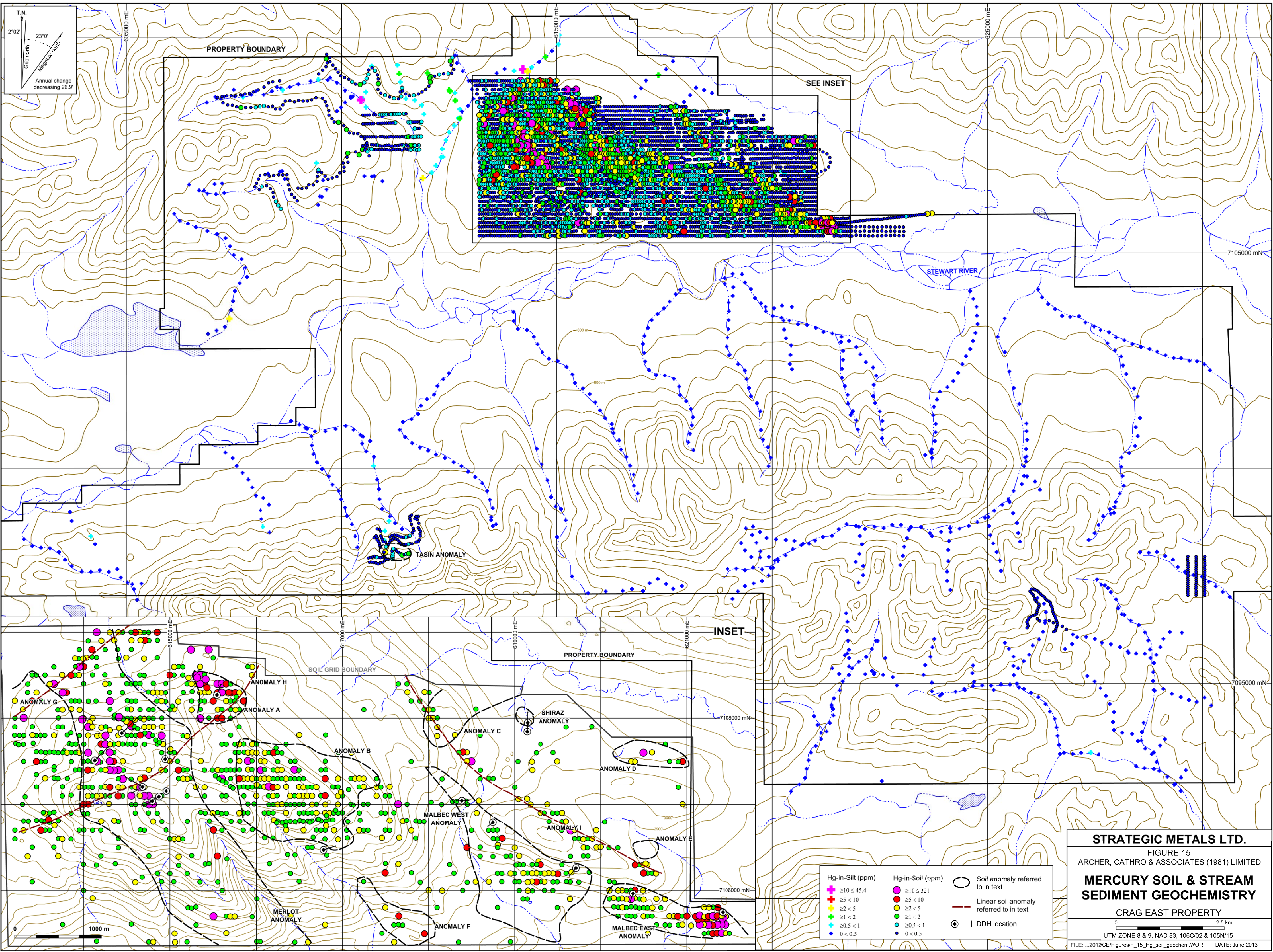


T.N.  
 2°02' 23"0"  
 Grid north  
 Magnetic north  
 Annual change decreasing 26.9'

0 1000 m

As-in-Soil (ppm)	As-in-Silt (ppm)	Symbol Description
≥500 ≤ 11,700	≥500 ≤ 4,370	○ Soil anomaly referred to in text
≥200 < 500	≥200 < 500	— Linear soil anomaly referred to in text
≥100 < 200	≥100 < 200	⊙ DDH location
≥50 < 100	≥50 < 100	
≥20 < 50	≥20 < 50	
0 < 20	0 < 20	

**STRATEGIC METALS LTD.**  
 FIGURE 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ARSENIC SOIL & STREAM  
 SEDIMENT GEOCHEMISTRY**  
 CRAG EAST PROPERTY  
 0 2.5 km  
 UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15  
 FILE: ...2012/CE/Figures/F\_14\_As\_soil\_geochem.WOR DATE: June 2013



T.N.  
 2°02' 23°0'  
 Grid north  
 Magnetic north  
 Annual change decreasing 26.9'

PROPERTY BOUNDARY

SEE INSET

STEWART RIVER

TASIN ANOMALY

INSET

PROPERTY BOUNDARY

SOIL GRID BOUNDARY

ANOMALY H

ANOMALY A

SHIRAZ ANOMALY

ANOMALY C

ANOMALY B

ANOMALY D

MALBEC WEST ANOMALY

ANOMALY I

ANOMALY E

MERLOT ANOMALY

ANOMALY F

MALBEC EAST ANOMALY

Hg-in-Silt (ppm)		Hg-in-Soil (ppm)		Soil anomaly referred to in text	
+	≥10 ≤ 45.4	●	≥10 ≤ 321	○	Linear soil anomaly referred to in text
+	≥5 < 10	●	≥5 < 10	—	DDH location
+	≥2 < 5	●	≥2 < 5		
+	≥1 < 2	●	≥1 < 2		
+	≥0.5 < 1	●	≥0.5 < 1		
+	0 < 0.5	●	0 < 0.5		

STRATEGIC METALS LTD.

FIGURE 15  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

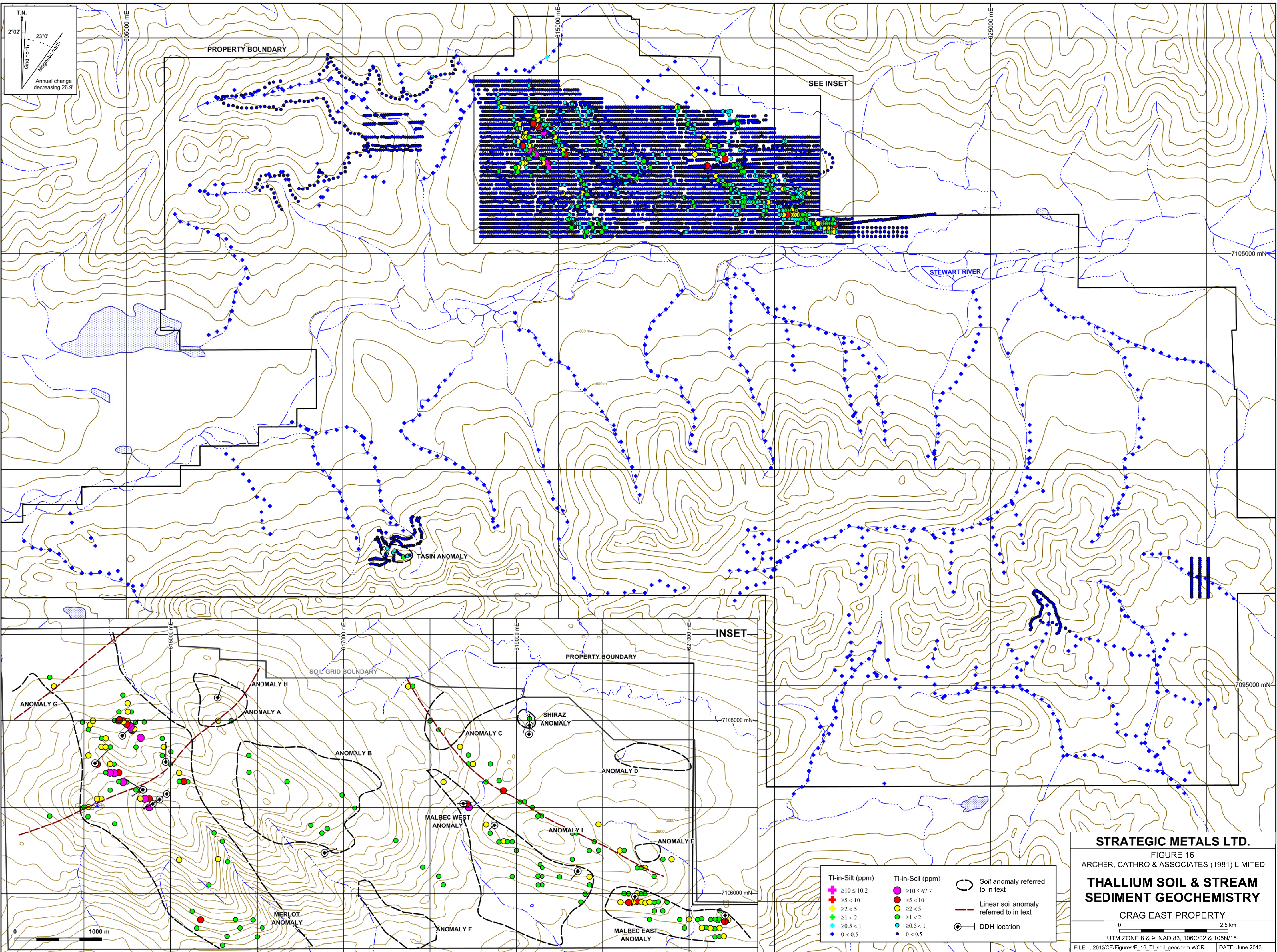
**MERCURY SOIL & STREAM  
 SEDIMENT GEOCHEMISTRY**

CRAIG EAST PROPERTY

0 1000 m 2.5 km

UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15

FILE: ...2012/CE/Figures/F\_15\_Hg\_soil\_geochem.WOR DATE: June 2013



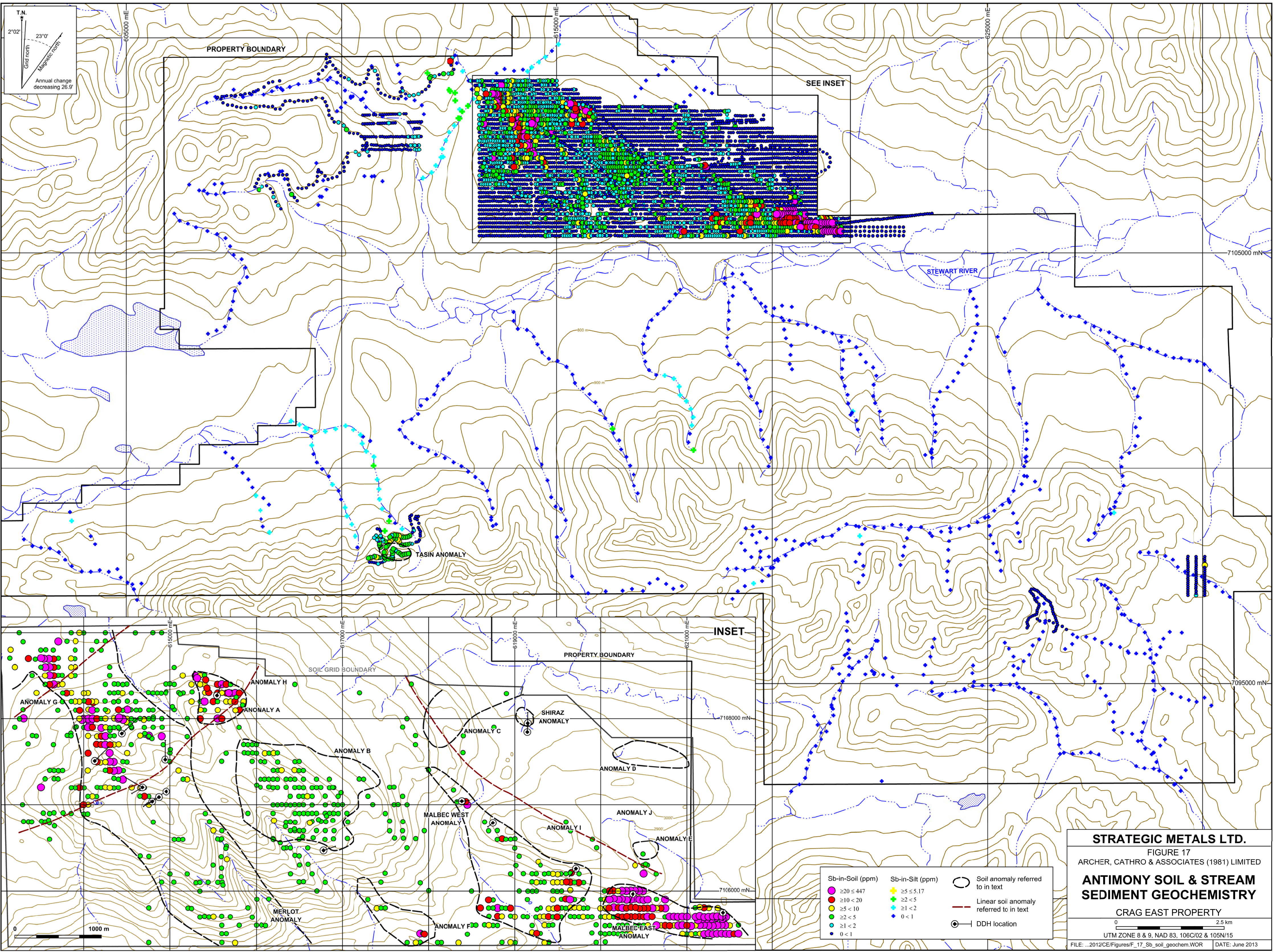
T.N.  
 2°02' 23"0"  
 Grid north  
 Magnetic north  
 Annual change decreasing 26.9'

0 1000 m

TI-in-Silt (ppm)	TI-in-Soil (ppm)	Soil anomaly referred to in text
✚ $\geq 10 \leq 10.2$	● $\geq 10 \leq 67.7$	○ Soil anomaly referred to in text
✚ $\geq 5 < 10$	● $\geq 5 < 10$	— Linear soil anomaly referred to in text
✚ $\geq 2 < 5$	● $\geq 2 < 5$	⊙ DDH location
✚ $\geq 1 < 2$	● $\geq 1 < 2$	
✚ $\geq 0.5 < 1$	● $\geq 0.5 < 1$	
✚ $0 < 0.5$	● $0 < 0.5$	

**STRATEGIC METALS LTD.**  
 FIGURE 16  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**THALLIUM SOIL & STREAM  
 SEDIMENT GEOCHEMISTRY**  
 CRAG EAST PROPERTY  
 0 2.5 km  
 UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15  
 FILE: ...2012/CE/Figures/F\_16\_TI\_soil\_geochem.WOR DATE: June 2013





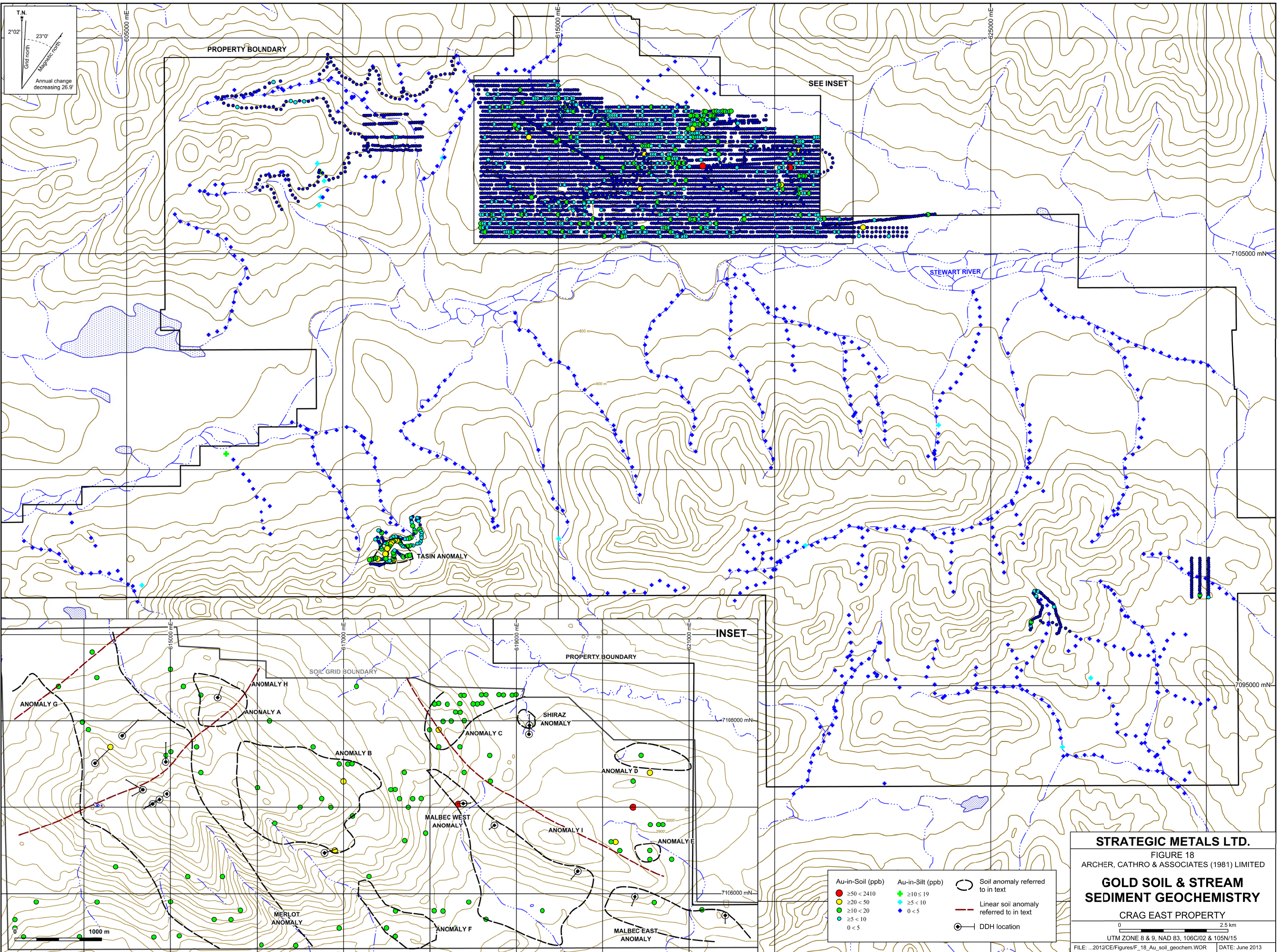
T.N.  
 2°02' 23"0"  
 Grid north  
 Magnetic north  
 Annual change decreasing 26.9'

0 1000 m

- |                  |                  |   |
|------------------|------------------|---|
| Sb-in-Soil (ppm) | Sb-in-Silt (ppm) | Soil anomaly referred to in text          |
| ● ≥20 ≤447       | ● ≥5 ≤5.17       | ○   |
| ● ≥10 <20        | ● ≥2 <5          | — Linear soil anomaly referred to in text |
| ● ≥5 <10         | ● ≥1 <2          | ⊕ DDH location                            |
| ● ≥2 <5          | ● 0 <1           |   |
| ● ≥1 <2          |                  |   |
| ● 0 <1           |                  |   |

**STRATEGIC METALS LTD.**  
 FIGURE 17  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ANTIMONY SOIL & STREAM  
 SEDIMENT GEOCHEMISTRY**  
 CRAG EAST PROPERTY

0 2.5 km  
 UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15  
 FILE: ...2012/CE/Figures/F\_17\_Sb\_soil\_geochem.WOR DATE: June 2013



T.N.  
 2°02' Grid north  
 23°0' Magnetic north  
 Annual change decreasing 26.9'

PROPERTY BOUNDARY

SEE INSET

STEWART RIVER

TASIN ANOMALY

INSET

PROPERTY BOUNDARY

SOIL GRID BOUNDARY

ANOMALY H

ANOMALY A

ANOMALY B

ANOMALY C

SHIRAZ ANOMALY

ANOMALY D

MALBEC WEST ANOMALY

ANOMALY I

ANOMALY E

MERLOT ANOMALY

ANOMALY F

MALBEC EAST ANOMALY

<span style="color: red;">●</span> $\geq 50 < 2410$	<span style="color: green;">●</span> $\geq 10 \leq 19$	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span> Soil anomaly referred to in text
<span style="color: yellow;">●</span> $\geq 20 < 50$	<span style="color: cyan;">●</span> $\geq 5 < 10$	<span style="color: red; font-weight: bold;">---</span> Linear soil anomaly referred to in text
<span style="color: orange;">●</span> $\geq 10 < 20$	<span style="color: blue;">●</span> $0 < 5$	<span style="color: black;">⊙</span> DDH location
<span style="color: lightblue;">●</span> $\geq 5 < 10$		
<span style="color: lightgreen;">●</span> $0 < 5$		

**STRATEGIC METALS LTD.**  
 FIGURE 18  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**GOLD SOIL & STREAM  
 SEDIMENT GEOCHEMISTRY**

CRAIG EAST PROPERTY

0 2.5 km  
 UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15  
 FILE: ...2012/CE/Figures/F\_18\_Au\_soil\_geochem.WOR DATE: June 2013

Fourteen variably sized and shaped clusters of coincident, weakly to very strongly anomalous arsenic±mercury±thallium±antimony±gold±zinc±lead values have been recognized on the property. Five of these are considered primary anomalies because they are associated with known mineralization and/or have been partially drill tested. The primary anomalies are known as the Merlot, Malbec East, Malbec West, Shiraz and Tasin anomalies. Nine secondary anomalies (A to I) have also been identified, three of which (G to I) are narrow, linear trends that partially overlap with primary or other secondary anomalies. Most of the secondary anomalies have yet to be followed up.

All of the soil anomalies lie within a northwesterly trending, 8800 by 400 m area in the northern part of the property, with the exception of the Tasin Anomaly, which is located 10 km to the southwest. The northern, overall anomalous area is open to extension to the northwest and southeast. All of the anomalies lie within Hyland Group strata and, in the case of the northern anomalies, trends approximately parallel to bedding. The sizes of the individual anomalies and their distributions of weak, moderate, strong and very strong values for arsenic, mercury, thallium, antimony and gold are listed in Table VIII.

**Table VIII – Soil Anomaly Characteristics**

Name	Size (m)	Elements†			
		Weak	Moderate	Strong	Very Strong
Merlot Anomaly	4500 (open) x 1000		<i>Au</i>	<i>Zn, Pb</i>	<b>As, Hg, Tl, Sb</b>
Malbec West Anomaly	2300 x up to 1000	<i>Pb</i>	<i>Zn</i>	Hg	<b>As, Tl, Sb</b>
Malbec East Anomaly	1700 (open) x 400	<i>Au</i>		Tl, Zn	<b>As, Hg, Sb, Pb</b>
Shiraz Anomaly	150 x 100	Tl, <i>Pb</i>		Zn	As
Tasin Anomaly	700 x 200	Tl	Hg, Sb, Au	As	
Anomaly A	500 x 400	<i>Au</i>	Tl	Zn	<b>As, Hg, Sb, Pb</b>
Anomaly B	1400 x 1100	Tl	Sb, <i>Au, Pb</i>	<i>Zn</i>	As, Hg
Anomaly C	1000 x 500	As, Tl, Sb	Hg, Au		
Anomaly D	800 x 250	<i>Au</i>		As	Hg
Anomaly E	200 x 100	Sb, Au			As
Anomaly F	1000 x 300	<i>Au, Zn</i>		As, Hg	Sb
Anomaly G	1700*	<i>Au</i>	Tl		As, Hg, Sb
Anomaly H	3500*		Tl	<i>Zn</i>	As, Hg, Sb
Anomaly I	3800*		<i>Au</i>	Tl	As, Hg, Sb

\* Narrow, linear anomaly.

† Bold text indicates a relatively high proportion of very strong values present within anomaly, while italicized text indicates relatively rare values.

Arsenic is the main element that defines most of the soil anomalies. Anomalous mercury, antimony and thallium values show good spatial correlation with arsenic results. These visual correlations are confirmed by Pearson Correlation Calculations, presented in Table IX. The correlations were calculated by removing all samples with gold values below detection limit (0.001 g/t) and two highly anomalous outliers of 0.108 and 2.41 g/t gold.

**Table IX – Geochemical Correlations for Soil Samples**

	<b>Au</b>	<b>As</b>	<b>Hg</b>	<b>Sb</b>	<b>Tl</b>
<b>Au</b>	1				
<b>As</b>	0.021	1			
<b>Hg</b>	0.023	0.20	1		
<b>Sb</b>	0.033	0.20	0.24	1	
<b>Tl</b>	0.002	0.54	0.22	0.17	1

The Carlin-type pathfinder elements show weak (0.17 to 0.24) to strong (0.54) positive correlations, but gold shows no or negligible geochemical correlations. The two, strongly elevated, outlying gold values were associated with relatively subdued pathfinder element values.

### 2012 Deep Profile Soil Geochemistry

In 2012, forty-eight deep profile soil samples were collected within the northeastern half of the Malbec West Anomaly using a combination of hand pitting and either hand-held soil auger or hand-held power auger. The samples were taken between 76 and 231 cm below surface, averaging 137 cm deep. The samples were collected to compare gold and Carlin-type pathfinder element signatures in the shallow (up to 50 cm below surface) and deeper parts of the soil profile, primarily to check if the presence of cover material masks the gold response.

The 2012 deep profile sample grid area encompasses 169 shallow profile soil samples that were collected in 2011. A comparison of the minimum, maximum and average values for the shallow and deep profile samples is presented in Table X.

**Table X – Comparison of Metal Signatures from Shallow and Deep Profile Soil Samples (Malbec West Anomaly)**

Sample Type	Au (ppb)			As (ppm)			Hg (ppm)			Sb (ppm)			Tl (ppm)		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Shallow	<0.001	0.004	-	9.2	4370	240	0.02	7.83	0.82	0.13	55.3	2.13	0.08	56.7	0.82
Deep	<0.001	0.021	-	7.0	4190	273	0.03	18.75	1.68	0.15	28.5	2.51	0.09	17.2	1.18

The shallow and deep profile arsenic signatures are similar for samples collected within Malbec West Anomaly. Although the peak values for gold, mercury, antimony and thallium are variable between the shallow and deep soil profiles, the average values for those elements are relatively

comparable. The metal signature of soil samples in this area does not appear to be greatly affected by the collection depth.

### 2011 Stream Sediment Geochemistry

In 2011, 802 stream sediment samples were collected on the property. Results for arsenic, thallium, mercury, antimony and gold are illustrated thematically on Figures 14 through 18, respectively. Table XI lists the thresholds for weak, moderate, strong and very strong stream sediment anomalies, plus peak values for each element.

**Table XI – Threshold and Peak Values for Stream Sediment Samples**

Element	Anomalous Thresholds				
	Weak	Moderate	Strong	Very Strong	Peak
Arsenic (ppm)	$\geq 50 < 100$	$\geq 100 < 200$	$\geq 200 < 500$	$\geq 500$	4370
Mercury (ppm)	$\geq 1 < 2$	$\geq 2 < 5$	$\geq 5 < 10$	$\geq 10$	45.4
Thallium (ppm)	$\geq 1 < 2$	$\geq 2 < 5$	$\geq 5 < 10$	$\geq 10$	10.2
Antimony (ppm)	$\geq 2 < 5$	$\geq 5 < 10$	$\geq 10 < 20$	$\geq 20$	447
Gold (ppb)	$\geq 10$	-	-	-	19

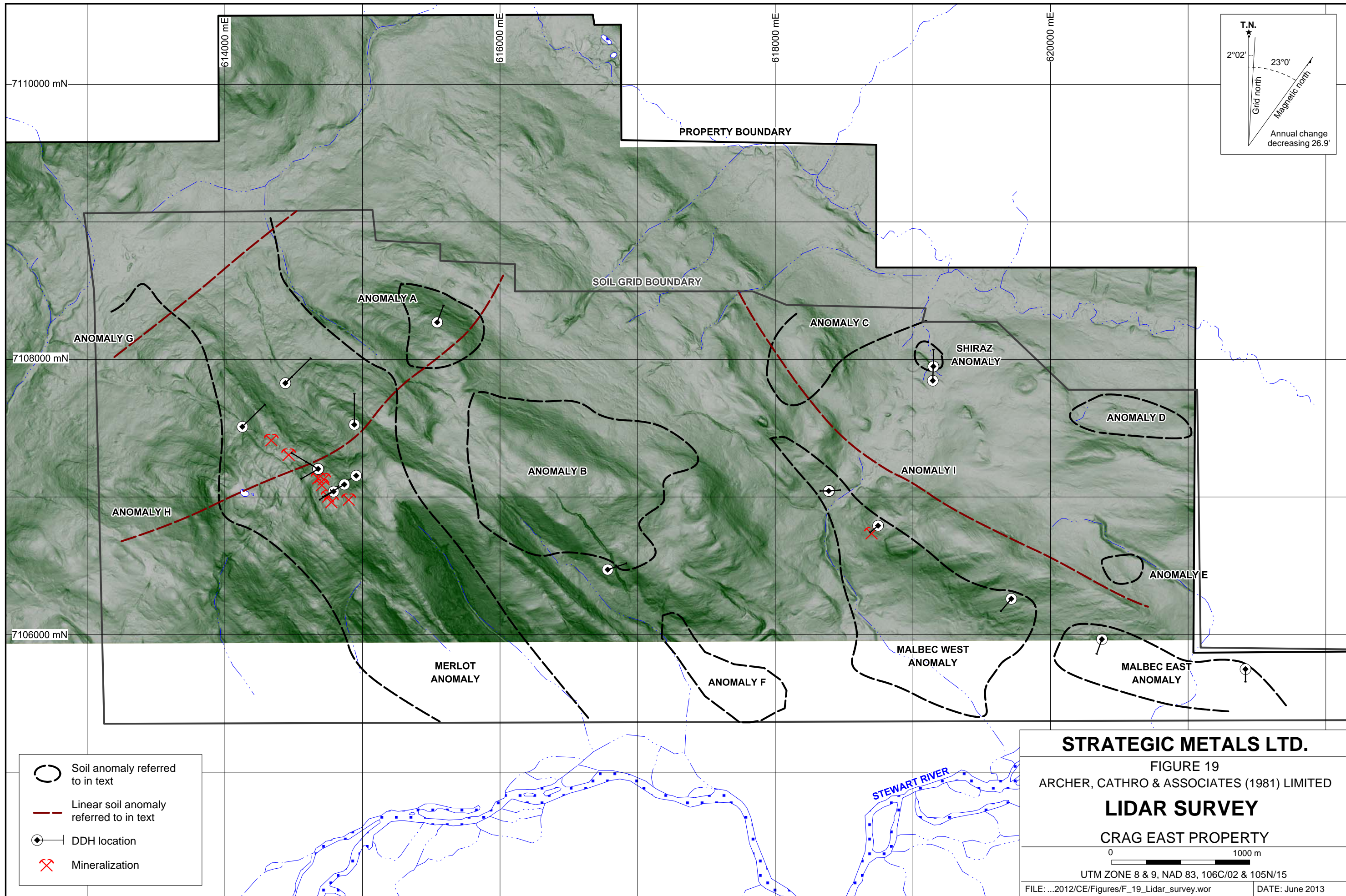
Strongly to very strongly anomalous stream sediment geochemistry is confined to drainages in the northern part of the property, which drain known mineralized zones and/or areas of anomalous soil geochemistry. South of the Stewart River stream sediment geochemistry is weaker, and anomalous values are largely confined to three drainages. Prospecting and soil geochemical follow up of these drainages only produced elevated results in one area, which corresponds to the Tasin Zone/Anomaly.

Based on Pearson correlation calculations completed for the 2011 stream sediment samples (Unger, 2012), gold shows no or negligibly negative correlation to Carlin-type pathfinder elements. Mercury correlations are also negligible. This may be due mobilization by bacteria forming methyl-mercury, which can deplete stream sediments of mercury content. Arsenic, antimony and thallium show strong and very strong positive correlations.

### LIDAR SURVEY

An airborne Lidar survey was flown over the northern part of the property in 2011. It covers the Merlot, Malbec and Shiraz Zones and most of the soil anomalies. A detailed topographic image was generated from the survey data. A portion of the Lidar image is shown along with mineralization, soil anomaly boundaries and diamond drill holes on Figure 19.

Numerous subtle to prominent, northwesterly and northeasterly trending linear features are visible on the Lidar image. The northwesterly trending features are mainly attributed to bedding, while the northeasterly trending linears may represent faults. Most soil anomalies and mineralization lie parallel to the northwesterly trending features, while Anomalies G and H parallel the northeasterly oriented linears.



**STRATEGIC METALS LTD.**

FIGURE 19  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**LIDAR SURVEY**

CRAG EAST PROPERTY

0 1000 m

UTM ZONE 8 & 9, NAD 83, 106C/02 & 105N/15

FILE: ...2012/CE/Figures/F\_19\_Lidar\_survey.wor DATE: June 2013

## DIAMOND DRILLING

Diamond drilling was carried out at the Crag East property in 2011 by Beaudoin Diamond Drilling Ltd. of Courtenay, BC. The work was completed using NTW equipment with a heli-portable JKS-300 drill. A total of 1398.73 m were drilled in six holes – 1014.68 m in four holes at Merlot Zone and 384.05 m in two holes at Shiraz Zone. Core was flown off the property by helicopter and taken to the Rackla airstrip camp, where it was logged and processed and is currently stored. Key data concerning the 2011 drill holes are listed in Table XII.

**Table XII – 2011 Drill Hole Data**

Hole	Easting (m)	Northing (m)	Elevation (m)	Azimuth (°)	Dip (°)	Depth (m)	Equipment
CE-12-01	614790	7107040	1447	240	-50	182.57	NTW
CE-12-02	614678	7107204	1389	240	-50	220.98	NTW
CE-12-03	614868	7107091	1440	240	-50	280.42	NTW
CE-12-04	614955	7107155	1405	240	-50	330.71	NTW
CE-12-05	619149	7107949	852	000	-50	195.07	NTW
CE-12-06	619149	7107949	852	000	-90	188.98	NTW

In 2012, a fifteen hole diamond drill program was completed to follow up mineralization at the Merlot, Malbec and Shiraz zones and to test parts of the Merlot, Malbec West, Malbec East, A and B anomalies. A total of 2924.56 m of diamond drilling was completed – 1561.19 m in six holes at Merlot Zone/Anomaly, 804.98 m in six holes at Malbec Zone and within Malbec West and East anomalies, 169.16 m in one hole at Shiraz Zone, 185.93 m in one hole within Anomaly A and 203.30 m in one hole within Anomaly B.

The first hole was collared on June 27, 2012 and the final hole was completed on August 11. The work was contracted to Beaudoin, which used NTW equipment with a heli-portable JKS-300 drill, and to Platinum Diamond Drilling Inc. of Winnipegosis, Manitoba, which used NQ2 equipment with a heli-portable Zinex A-5 drill. The drills were set up on platforms of 6” by 6” or 8” by 8” timbers covered with 2” by 8” planks, on sites that were levelled by hand.

Drill core was flown by helicopter to a temporary camp site on the property where it was logged and processed and is currently stored (Figure 2). Drill collars were marked with logs, to which metal tags listing the hole number were secured. Survey control was established by differential GPS and chain and compass measurements. All holes were sampled top to bottom. The core was split with one-half bagged and sent for analysis and the other half returned to the core box. Two blank, two standard and two duplicate samples were randomly included in every batch of 36 core samples. From the processing site, the bagged samples were transported by helicopter, fixed-wing aircraft and truck to the Archer Cathro lot in Whitehorse, where chain of custody paperwork was checked and sample integrity verified.

Analytical work was done by ALS Minerals with sample preparation in Whitehorse and assays and geochemical analyses in North Vancouver. Each sample was dried and fine crushed to better than 70% passing 2 mm, and then a 250 g split was pulverized to better than 85% passing 75

microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Over limit silver (in standards), lead (in standards) and arsenic values were determined using aqua regia digestion with inductively coupled plasma and either atomic emission spectroscopy or atomic absorption spectroscopy (Ag-, Pb- or As-OG46).

The 2011 and 2012 drill collar locations are plotted with geology on Figures 6 and 7. Certificates of Analysis for the 2012 drill samples are given in Appendix IV and Geological and Geotechnical Logs are provided in Appendix V. Key data concerning the 2012 drill holes are listed in Table XIII.

**Table XIII – 2012 Drill Hole Data**

Hole	Zone	Easting (m)	Northing (m)	Elevation (m)	Azimuth (°)	Dip (°)	Depth (m)	Equipment
CE-12-07	Shiraz	619144	7107846	866	002	-51	169.16	NTW
CE-12-08	Malbec	618393	7107044	886	085	-50	123.44	NTW
CE-12-09	Malbec	618388	7107044	886	270	-50	97.54	NTW
CE-12-10	Malbec	618747	7106792	942	230	-50	121.92	NTW
CE-12-11	Merlot	614676	7107205	1388	301	-45	316.08	NQ2
CE-12-12	Merlot	614678	7107204	1388	301	-45	142.34	NQ2
CE-12-13	Merlot	614127	7107511	1264	045	-45	325.22	NQ2
CE-12-14	Merlot	614440	7107828	1197	045	-45	96.62	NQ2
CE-12-15	Merlot	614440	7107828	1197	045	-45	364.85	NQ2
CE-12-16	Merlot	614941	7107526	1343	000	-45	316.08	NQ2
CE-12-17	Anomaly A	615543	7108270	1267	020	-45	185.93	NQ2
CE-12-18	Malbec	619715	7106260	903	220	-45	167.34	NTW
CE-12-19	Anomaly B	616782	7106472	1118	072	-45	203.3	NQ2
CE-12-20	Malbec	620374	7105966	841	200	-45	161.54	NTW
CE-12-21	Malbec	621417	7105749	790	180	-45	133.2	NQ2

Although many holes drilled on the property intersected Carlin-style mineralization and alteration, all gold values obtained to date are sub-economic (peak of 0.029 ppm). For this reason, gold values are not discussed throughout the remainder of this section. Table XIV lists weak, moderate, strong and very strong threshold and peak values for the 2011 and 2012 drill core samples.

**Table XIV – Threshold and Peak Values for Drill Core Samples**

Element (ppm)	Anomalous Thresholds				
	Weak	Moderate	Strong	Very Strong	Peak
Arsenic	≥ 500 < 1000	≥ 1000 < 2000	≥ 2000 < 5000	≥ 5000	114000
Mercury	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	724
Thallium	≥ 5 < 10	≥ 10 < 20	≥ 20 < 50	≥ 50	740



Antimony	≥ 20 > 50	≥ 50 > 100	≥ 100 < 200	≥ 200	2880
Gold	-	-	-	-	0.029
Zinc	≥ 2000 < 5000	≥ 5000 < 10000	≥ 10000 < 20000	≥ 20000	25700
Lead	≥ 1000	-	-	-	1315

Cross-sections showing basic lithology and results for gold, arsenic, mercury, antimony, thallium, lead, zinc, calcium, magnesium and iron are provided in Appendix VI. The calcium, magnesium and iron plots confirm the observed lithological breaks. The following paragraphs describe the purpose of drilling each hole and the general lithological and structural observations.

### Merlot Zone and Merlot Anomaly

Holes CE11-01, -03 and -04 were drilled along a section line to test beneath the southeastern end of the Merlot Zone mineralized gully, where massive realgar mineralization was found within strongly clay altered and decalcified Algae Lake Formation carbonate in TR-11-01. All holes were oriented approximately perpendicular to the strike of bedding. The holes intersected a steeply northeast-dipping package of basal limestone and dolostone with overlying maroon and green siltstone/shale and uppermost siltstone with sandy interbeds. An approximately 20 to 50 m (true thickness) wide zone of Carlin-style mineralization and alteration was cut in all three holes. This zone lies sub-parallel to bedding and is characterized by realgar and minor orpiment, which typically occur as late minerals filling open fractures and pore spaces within decalcified, sooty debris flow carbonates and deformed calcareous mudstone and siltstone. Minor realgar is also present as coarse crystals within calcite veins on the periphery of the mineralized zone.

The mineralized zone in Holes CE11-01, -03 and -04 was also encountered in Hole CE11-02. Hole CE11-02 was collared about 200 m to the northwest of the other 2011 holes, along the strike of surface mineralization and bedding. It was drilled entirely within interbedded limestone and dolostone. The mineralized zone was intersected within dolostone between 86.80 and 96.01 m. Drill highlights from these holes are presented in Table XV, along with significant 2012 results from other parts of Merlot Zone/Anomaly, which are discussed in the following paragraphs.

**Table XV – Merlot Zone/Anomaly Highlight Drill Results**

Hole	From (m)	To (m)	Width (m)	As (ppm)	Hg (ppm)	Sb (ppm)	Tl (ppm)
CE11-01	27.43	65.00	37.57	7898	101	27.7	33.9
Including:	48.10	61.50	13.40	13878	225	50.0	68.3
CE11-02	86.80	96.01	9.21	5017	30.5	14.2	19.2
CE11-03	129.70	190.50	60.80	10323	86.1	31.4	50.6
Including:	180.91	187.21	6.30	42509	259	136	292
CE11-04	225.55	246.89	21.34	7441	15.3	32.0	9.49
CE12-11	154.53	285.60	131.07	5081	55.5	14.5	40.8
Including:	169.77	171.55	10.15	49180	263	56.4	383
CE12-13	155.08	169.29	14.21	7533	145	466	112

Hole CE12-11 and -12 were collared at the same site as CE11-02, but were drilled to the northwest, parallel to the strike of bedding and mineralization. Hole CE12-11 was designed to test suspected cross-cutting, northeasterly trending structures that were observed at surface and on the Lidar image. It was drilled entirely within variably brecciated dolostone. Intensely crackle brecciated dolostone with a light pinkish-red, highly calcareous matrix was intersected between 89.14 and 115.90 m. Recovery within this interval was poor and, as such, Hole CE12-12 was subsequently drilled to obtain better recovery and more accurate results for these rocks. Samples from this interval from both holes yielded weakly elevated arsenic, mercury and thallium values. Brecciated dolostone with variable blebby to fracture-filling realgar, sooty fracture fillings with weak disseminated pyrite, green arsenic oxide and rare sphalerite was cut in hole CE12-11 between 154.53 and 284.53 m. Most samples within this 131.07 m long interval returned weakly to very strongly anomalous arsenic, mercury, thallium and antimony values (see Table XV for results). Shorter zones with particularly strong mineralization, alteration and pathfinder geochemistry within this interval are likely related to cross-cutting structural features.

Hole CE12-13 was drilled within the Merlot Anomaly, about 620 m northwest of the collars of CE12-11 and -12. Hole CE12-13 followed up elevated arsenic and gold soil values within prospective Algae Lake Formation carbonates. It was drilled across the Merlot Zone gully, which hosts known surface mineralization further to the southeast. This hole intersected a package of limestone with underlying dolostone, shale and grit. An 11.70 m wide fault zone cuts the limestone near its contact with dolostone between 155.08 and 166.78 m. This fault is characterized by dark grey to rusty yellow, strongly brecciated, variably clay altered and dolomitized limestone with trace realgar on fractures. A 2.51 m interval immediately below the fault zone comprises black, strongly decalcified and clay altered, variably brecciated, realgar-bearing limestone. Significantly elevated values up to 39800 ppm arsenic, 724 ppm mercury, 2880 ppm antimony and 660 ppm thallium were obtained from these intervals (see Table XV for weighted average values). Minor zinc accompanies the Carlin-type pathfinder elements in the lower interval.

Holes CE12-14 and -15 explored beneath a prominent kill zone with very strong arsenic, mercury, thallium and antimony soil geochemistry within Merlot Anomaly. Hole CE12-14 was lost prematurely due to poor ground conditions and was redrilled as Hole CE12-15. The holes intersected generally geochemically uninteresting limestone and dolostone with lesser, interbedded siltstone, shale and grit horizons. Rusty yellow to medium grey, clay altered and faulted grey limestone and dolostone were cut between 44.81 and 45.80 m and yielded 1360 ppm arsenic and 42.7 ppm antimony. The only other geochemically anomalous interval was obtained at the contact between shale and underlying limestone between 144.00 and 145.59 m. It returned 3220 ppm arsenic over 1.49 m.

Hole CE12-16 was drilled in the north-central part of the Merlot Anomaly where Algae Lake Formation carbonates are cut by northeasterly trending linears. Weak gold-in-soil values were obtained from this area. The hole primarily intersected dolostone, except for a horizon of maroon and green siltstone with minor interbedded limestone between 120.28 and 171.20 m. A narrow fault zone cuts the dolostone between 85.76 and 88.25 m. Between this fault and the top of the siltstone horizon, the dolostone has rusty orange staining on fractures and is silicified, locally crackle brecciated and hosts trace realgar. This 34.52 m long interval returned a

weighted average of 904 ppm arsenic. Locally elevated values for mercury (up to 12.95 ppm), thallium (up to 7.29 ppm) and zinc (up to 1120 ppm) were also obtained within this interval.

### **Malbec Zone and Malbec West Anomaly**

Hole CE12-10 followed up the Malbec Zone discovery showing, which comprises realgar-rich and intensely clay altered and decalcified carbonate. The hole intersected interbedded, brecciated dolostone and limestone to 76.85 m, limestone and minor calcareous shale from 76.85 to 108.20 m and maroon to green siltstone from 108.20 m to the end of the hole. Several relatively narrow (approximately two metre wide) zones of crystalline realgar associated with clay alteration, calcite veining and/or strong brecciation were observed throughout the carbonate rocks. The most notable zone lies between 90.50 and 95.56 m and comprises realgar, arsenic oxide, orpiment and disseminated pyrite. This zone is likely the down dip continuation of mineralization seen at surface. It returned a weighted average of 1.23% arsenic, 0.53 ppm mercury, 11.05 ppm antimony and 0.95 ppm thallium over 4.15 m between 91.44 and 95.59 m.

Hole CE12-08 explored beneath TR-12-06, where a strongly brecciated fault zone was uncovered at the edge of a pronounced vegetative kill zone at the northwest end of the Malbec West Anomaly. The hole was collared in maroon to green shale and siltstone with minor interbedded limestone. The fault zone was intersected between 47.32 and 64.93 m and is characterized by orange to green to grey, strongly decomposed and brecciated, variably clay altered and decalcified carbonate rocks. Below this zone, the hole cut grey shale and siltstone with minor limey horizons. The fault zone returned a weighted average of 1741 ppm arsenic, 13.35 ppm mercury, 48.40 ppm antimony and 8.75 ppm thallium over 19.37 m between 47.71 and 67.08 m. Zinc values were background, despite minor zinc enrichment at surface.

Hole CE12-09 was collared from the same site as hole CE12-08, but was drilled in the opposite direction to identify the source of a 2.41 g/t gold-in-soil value at the western edge of the Malbec West Anomaly. This hole intersected dark to light grey, maroon and green interbeds of siltstone and sandy siltstone. All samples returned background values for the metals of interest.

Hole CE12-18 was drilled at the eastern end of the Malbec West Anomaly to test an area with strongly elevated arsenic-antimony±mercury soil geochemistry. It was drilled entirely within variably solution brecciated, Algae Lake Formation dolostone. Red to brown staining is present on the core where it is rubbly due to weathering and/or weak alteration. Samples generally returned background to subdued values for the metals of interest, but weakly elevated arsenic (up to 503 ppm), mercury (up to 32.8 ppm) and antimony (up to 31.4 ppm) values were obtained from some of the rubbly intervals.

### **Shiraz Zone**

In 2011, holes CE11-05 and -06 were collared from one site at the head of the arsenic and zinc enriched Shiraz Zone gossan. The gossan lies at the contact between Hyland Group siliciclastic rocks to the south and unnamed, fossiliferous limestone to the north, and may mark the surface trace of the Dawson Thrust Fault.

The 2011 holes intersected near-surface, rubbly, strongly weathered, intense clay alteration with calcite, silica and fossiliferous limestone clasts and disseminated to locally semi-massive pyrite, arsenopyrite and sphalerite. Below this approximately 15 m thick altered and mineralized zone, the holes cut a variably silicified, fossiliferous limestone horizon and underlying shale with dolomitic and silty interbeds.

In 2012, hole CE12-07 was collared 100 m behind the 2011 drill site to explore the projected intersection of the fault with footwall limestone at depth. This hole cut black, laminated siltstone (Hyland Group) before encountering the steeply dipping fault structure at 128.02 m. In this hole, the structure is characterized by a 10 m thick (true thickness) massive calcite vein with approximately two metre thick, intensely clay altered selvages that host disseminated to semi-massive sulphides and clasts of fossiliferous limestone. The hole bottomed in limestone. Results from all three Shiraz Zone holes are provided in Table XVI.

**Table XVI – Shiraz Zone Highlight Drill Results**

Hole	From (m)	To (m)	Length (m)	As (%)	Hg (ppm)	Sb (ppm)	Tl (ppm)	Pb (%)	Zn (%)
CE11-05	7.62	18.29	10.67	0.05	0.63	1.29	0.48	0.00	1.36
CE11-06	6.10	19.81	13.71	0.44	1.71	15.0	12.3	0.00	1.05
CE12-07	128.02	130.56	2.54	0.26	0.42	3.48	2.28	3.10	0.27
CE12-07	149.35	151.33	1.98	2.64	2.73	34.4	3.42	3.50	0.22

### **Malbec East Anomaly**

Holes CE12-20 and -21 were drilled to test parts of the Malbec East Anomaly that comprise coincident, strongly elevated arsenic, mercury, antimony, thallium, lead and zinc soil geochemistry. Both holes were drilled entirely within solution collapse dolostone breccia. The core is highly fractured and brown oxide typically coats fractured surfaces. Antimony values are pervasively elevated throughout both holes, which returned weighted averages of 50.0 ppm (CE12-20) and 108 ppm (CE12-21) antimony over their entire lengths. Spotty, weakly anomalous arsenic, mercury, lead and zinc values were also obtained. One moderately elevated mercury value (38 ppm) is coincident with the peak antimony value (383 ppm) in hole CE12-20.

### **Anomaly A**

Hole CE12-17 was drilled beneath strong mercury, antimony, lead and zinc soil geochemical values, which are spatially associated with a southeasterly trending Lidar linear within Algae Lake Formation carbonates. Dolostone was intersected from the collar to 101.52 m, after which siliciclastic rocks were cut to the end of the hole. Samples largely returned background values for all metals of interest, with the exception of two weakly anomalous intervals centred on fault zones within dolostone. The first fault zone yielded a weighted average of 22.8 ppm mercury and 3533 ppm zinc over 6.09 m between 60.05 to 66.14 m, while the second fault returned 34.8 ppm antimony over 11.21 m between 86.37 and 97.58 m. Weak arsenic (up to 659 ppm), lead (up to 1315 ppm) and zinc (up to 5934 ppm) values were obtained from isolated samples within the second fault zone.

## **Anomaly B**

Hole CE12-19 was drilled to test a moderately anomalous gold-in-soil value (22 ppb), which lies at the southeast edge of Anomaly B near a prominent canyon that is visible on the Lidar image. This hole cut 76.99 m of siltstone with lesser limestone before bottoming in dolostone. The hole is geochemically uninteresting, except for two shear zones within siltstone that yielded 758 ppm arsenic over 10.28 m between 37.57 and 47.85 m and 567 ppm arsenic over 3.04 m between 60.05 and 63.09 m.

## **DISCUSSION AND CONCLUSIONS**

The Crag East property is located within a recently discovered district of Carlin-type gold occurrences that lies at the eastern end of the prospective Rackla Belt. The general geological setting, mineralization and geochemistry of occurrences within this district are consistent with gold deposits in the Carlin Trend of Nevada.

Work conducted in 2011 and 2012 at the Crag East property successfully identified Carlin-type alteration and mineralization and extensive pathfinder geochemical anomalies hosted in prospective carbonate horizons, most of which lie within the upper plate of the Dawson Thrust Fault. Drilling confirmed that significant alteration and mineralization extend to depth in at least three mineralized zones – the Merlot, Malbec and Shiraz zones. Despite these successes, work to date has failed to identify economic gold values on the property. It is possible that the pathfinder mineralization and characteristic alteration represent leakage from deeper, more gold-rich parts of the hydrothermal system.

Only a small portion of the geochemical anomalies and prospective stratigraphy have been tested and, thus, the property warrants additional work. This work should include: 1) detailed prospecting and mapping of the recently discovered Tasin Zone/Anomaly to locate its source; 2) hand pitting or trenching to follow up untested gold-in-soil anomalies, particularly Anomalies C and E and a nearby, isolated sample that yielded 108 ppb gold. The use of a track-mounted power auger drill (where ground conditions are appropriate) and/or additional diamond drilling should be considered if significant mineralization is discovered.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



S. Drechsler, B.Sc., P.Geo.

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**APPENDIX I**  
**STATEMENT OF QUALIFICATIONS**



## **STATEMENT OF QUALIFICATIONS**

I, Sarah Drechsler (née Eaton), geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Squamish, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2007 with a B.Sc. in Honours Geological Sciences.
2. From 2002 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia and Northwest Territories.
3. I am a Professional Geoscientist (P.Ge.) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 154922).
4. I have personally interpreted all data resulting from this work.



S. Drechsler, B.Sc., P.Ge.

**APPENDIX II**  
**STATEMENT OF EXPENDITURES**

Statement of Expenditures  
Crag East – Groups 1, 2 & 3  
Crag 402-813 and Tasin 1- 752, 755, 757, 759, 761, 763, 765, 767, 769-800, 817-862, 874, 876-  
924, 950-1008, 1018, 1020, 1022-1092 and 1094-1280 Mineral Claims  
February 13, 2013

Group 1 expenses (including 8% management fee)

Beaudoin Diamond Drilling Ltd.	\$ 94,018.26
Platinum Diamond Drilling Inc.	20,166.38
ALS Chemex	16,054.29
Fireweed Helicopters - pro rated	<u>214,733.52</u>
	344,972.45

Group 2 expenses (including 8% management fee)

Platinum Diamond Drilling Inc.	113,511.66
ALS Chemex	18,047.28
Fireweed Helicopters - pro rated	<u>178,944.60</u>
	310,503.54

Group 3 expenses (including 8% management fee)

Beaudoin Diamond Drilling Ltd.	64,241.91
Platinum Diamond Drilling Inc.	219,546.46
ALS Chemex	25,896.67
Fireweed Helicopters - pro rated	<u>117,592.16</u>
	427,277.20

Total \$1,082,753.19

**APPENDIX III**  
**ROCK SAMPLE DESCRIPTIONS**

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**Rock Sample Descriptions**Project: Midas TouchProperty: Crag East

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension:
I079701	UTM:	618477 E	UTM:	7106940 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: In large, swampy kill zone - found about 12 blocks of dolostone with weak, fracture-hosted orpiment. Orpiment tinged green towards edges of rocks. Within a 20 by 10 m section of the kill zone. Minor calcite veining.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
I079703	UTM:	618694 E	UTM:	7106745 N	Sample Width:	Abundance:
Malbec	Elevation:	m				

Comments: Pale blue-gray clay with rare, pale blue-gray, non-calcareous rock fragments with trace realgar.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
I079704	UTM:	618694 E	UTM:	7106745 N	Sample Width:	Abundance:
Malbec	Elevation:	m				

Comments: Punky, highly porous, green, very weakly calcareous, highly altered dolostone. No realgar. Appears to lie directly above clay layer (I079703).

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
I079705	UTM:	618694 E	UTM:	7106745 N	Sample Width:	Abundance:
Malbec	Elevation:	m				

Comments: Highly clay altered, light blue-grey, highly porous, non-calcareous dolostone(?) with moderate realgar throughout.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
I079706	UTM:	618694 E	UTM:	7106745 N	Sample Width:	Abundance:
Malbec	Elevation:	m				

Comments: Shattered green-orange weathering, shaley rocks in soil. Taken from bottom of trench, below mineralized clay horizon.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
I079707	UTM:	618433 E	UTM:	7107054 N	Sample Width:	Abundance:
Malbec	Elevation:	m				

Comments: Composite sample of black, strongly brecciated rock with tan to gray dolostone and calcite fragments. Matrix is porous, calcareous and black. Taken from trench at approximate intersection of gully with northwest trending soil geochemical cut off, at head of kill zone.

---

**Rock Sample Descriptions**Project: Midas TouchProperty: Crag East

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Sample Number: I079708  
Grid East: 618433 E  
UTM: 618433 E  
Grid North: 7107054 N  
UTM: 7107054 N  
Type: Trench grab  
Sample Width:  
Dimension:  
Abundance:

Malbec

Elevation: m

Comments: Composite sample of unconsolidated, angular, black-orange-red coated dolostone fragments. Taken from bottom of trench at approximate intersection of gully with northwest trending soil geochemical cut off, at head of kill zone. Collected at break in slope, abundant water draining from trench.

---

Sample Number: I079724  
Grid East: 619203 E  
UTM: 619203 E  
Grid North: 7107834 N  
UTM: 7107834 N  
Type: Buried o/c  
Sample Width:  
Dimension:  
Abundance:

Elevation: m

Comments: Bn weathering, dark grey, sandstone-grit. Clasts are sand size to 4 mm diameter. Similar to I079726 but finer grained. Clasts are siliceous and fairly homogenous.

---

Sample Number: I079725  
Grid East: 619387 E  
UTM: 619387 E  
Grid North: 7107657 N  
UTM: 7107657 N  
Type:  
Sample Width:  
Dimension:  
Abundance:

Elevation: m

Comments: Grey weathering, brecciated, siliceous conglomerate(?). Clasts appear to have been brecciated in place - rounded clast broken into several angular pieces. Clasts are grey, while matrix is dark grey to black. Clasts vary from 2 mm to 2 cm.

---

Sample Number: I079726  
Grid East: 619143 E  
UTM: 619143 E  
Grid North: 7107933 N  
UTM: 7107933 N  
Type: Outcrop grab  
Sample Width:  
Dimension:  
Abundance:

Elevation: m

Comments: Grey-brown weathering, grey, chert(?) pebble conglomerate. Clasts are rounded to sub-rounded and vary in size from 2mm to 2 cm in diameter. Fairly homogenous.

---

Sample Number: I079727  
Grid East: 619365 E  
UTM: 619365 E  
Grid North: 7108317 N  
UTM: 7108317 N  
Type: Outcrop grab  
Sample Width:  
Dimension:  
Abundance:

Elevation: m

Comments: Rusty-grey weathering, siliceous breccia. Clasts are typically less than 5 mm. Rare fractures with rusty selvages.

---

Sample Number: I079728  
Grid East: 619365 E  
UTM: 619365 E  
Grid North: 7108317 N  
UTM: 7108317 N  
Type: Outcrop grab  
Sample Width:  
Dimension:  
Abundance:

Elevation: m

Comments: Buff-grey weathering, very strongly silicified and brecciated rock. Can't tell protolith. Silica is clear to black.

---

**Rock Sample Descriptions**Project: Midas TouchProperty: Crag East

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Outcrop grab	Dimension:
I079729	UTM:	620442 E	UTM:	7106391 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Dark grey weathering, clast-supported shale breccia. Vuggy. Maroon mineralization(?) inside vugs.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
G286051	UTM:	614340 E	UTM:	7107410 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Weathered brown to buff, "tiger striped", medium grained, clast-supported, brecciated limestone, where dark grey limestone clasts are within an orange weathered calcite matrix. Rock has strong ductile fabric. A small amount of medium grained realgar mineralization in cavities and vugs.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
G286052	UTM:	614340 E	UTM:	7107410 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Weathered brown to buff, "tiger striped", medium grained, clast-supported, brecciated limestone, where dark grey limestone clasts are within an orange weathered calcite matrix. No mineralization.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Trench grab	Dimension:
G286053	UTM:	621410 E	UTM:	7105675 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Weathered pale yellow to buff, fresh dark blue-grey, medium grained dolostone with parallel/planer veinlets of coarse grained dolomite. Veinlets contain vugs/cavities with brown, bladed dolomite mineralization and coarse grained quartz.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Outcrop grab	Dimension:
G286054	UTM:	620976 E	UTM:	7105770 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Dark brown/maroon carbonate (dolostone?), comprised of coarse grained subhedral to euhedral crystals of brown/maroon to tan calcite and dolomite. (Non-magnetic, weakly effervesces).

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Composite	Dimension:
G286055	UTM:	620994 E	UTM:	7105744 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Punky, fine grained and earthy, rusty-orange-brown limonitic rock. Locally is weakly calcareous. Found in abundance beneath a large cliff exposure.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
G286065	UTM:	614694 E	UTM:	7107786 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Medium grey, brecciated (and de-carbonated?), coarse grained limestone, with abundant cross-cutting dolomitic veinlets that effervesce only when scratched, and weather yellow-orange. Minor coarse grained realgar mineralization on fracture surfaces.

---

**Rock Sample Descriptions**Project: Midas TouchProperty: Crag East

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Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
G286068	UTM:	615687 E	UTM:	7108291 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Vuggy, dark grey brecciated medium grained limestone, with variable sized angular clasts, that is matrix-supported in a matrix of course grained dolomite that weathers orange. Bladed dolomite grains withing vugs, and trace orange realgar/para-realgar on disseminated within clasts. (Note: rep. sample is only a small fragment of the rock.)

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
G286069	UTM:	615687 E	UTM:	7108291 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Medium grey, brecciated medium grained limestone, with variable sized angular clasts, that is matrix-supported in a matrix of course grained dolomite that weathers orange. Fine disseminated grains of galena comprise approximately 1% of the clasts. Trace amounts of orange-brown, earthy, fine grained limonite throughout.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
G006008	UTM:	611213 E	UTM:	7097758 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 10 x 8 x 6 cm block or orange-brown-white weathering quartz vein with about 10% patchy orange limonite and beige to red clay within pits. Quartz crystals locally well formed (0.5 cm diameter). Collected from float, which primarily compirses Yusezyu Formation grit and shale, locally with quartz vein. Quartz veining is concentrated in this area.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
G006809	UTM:	611212 E	UTM:	7097743 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty weathering (anomalously so for area) white to green, quartz veined siliceous rock. Locally strong, disseminated pyrite. Local, minor limonite. Only block of its type (10 x 10 x 10 cm) in talus with Yusezyua clastics.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: float	Dimension:
G006810	UTM:	611025 E	UTM:	7098109 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 1 cobble (10 x 8 x 4 cm) of orange weathering, pervasively limonitic (not boxwork - looks more carbonate derived) calcite breaccia. Vuggy with shale clasts. Orange limonite does not react with HCl. In float on snow within creekbed below large cliff of Yusezyu clastics.

---

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
G006811	UTM:	611009 E	UTM:	7098250 N	Sample Width: float	Abundance:
	Elevation:	m				

Comments: 1 cobble of rusty-orange weathering, pervasively orange, strongly clay altered rock. Can't tell protolith. Collected from creekbed. Outcrop along edges of creek are Yusezyu siltstone and shale.

---



**Rock Sample Descriptions**Project: Midas TouchProperty: Crag East

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Sample Number:	Grid East:	E	Grid North:	N	Type: float	Dimension:
G006812	UTM:	610994 E	UTM:	7098290 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: In creekbed, 1 cobble of knobby, black-orange weathering, grey to black, clast supported grit (medium) and shale breccia with rusty stylolitic (undulating) seams. Local minor white and orange clay alteration.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: float	Dimension:
G006813	UTM:	610993 E	UTM:	7098350 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 1 small cobble (6 x 5 x 3 cm) of knobby, orange-grey weathering, strongly brecciated and clay altered shale. In float in creekbed.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
G006814	UTM:	611013 E	UTM:	7098462 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Greenish-grey weathering, pitted on surface (up to 2 cm diameter), greenish-grey clast-supported dolostone breccia (effervesces weakly with HCl when scratched) with minor realgar throughout (within rock, not on fractures). Green colouration is likely arsenic oxide. Locally black, spongy and decalcified. 1 block (25 x 15 x 10 cm) in creekbed.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: float	Dimension:
G006815	UTM:	610997 E	UTM:	7098482 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Orange-grey weathering, dolostone breccia with pervasive weak arsenic oxide stain. 2 pieces found within 15 m of each other in creekbed.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: composite	Dimension:
G006816	UTM:	612237 E	UTM:	7097466 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 5 piece composite sample of strongly rusty altered volcanics (zone is 30 x 100 m, likely fault related - slickensides). Pervasively rusty and sericitized, local orange clay alteration. Collected from talus below outcrop.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: float	Dimension:
G006817	UTM:	612132 E	UTM:	7097566 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 1 cobble of pervasively red-orange, strongly carbonate altered volcanic. Found in talus below G006016 area.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
N832152	UTM:	610951 E	UTM:	7098213 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 6 inch piece of light brown weathering, light grey mudstone with minor blebby pyrite and 1 to 2 black stylolites per inch. Float in drainage.

---

**Rock Sample Descriptions**Project: Midas TouchProperty: Crag East

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Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
N832153	UTM:	611016 E	UTM:	7098371 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Purple brown weathering, grey mudstone with disseminated arsenopyrite and a 2.3 cm sphere of arsenopyrite.

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
N832154	UTM:	611014 E	UTM:	7098361 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 30 cm boulder of green-brown weathering, brecciated mudstone? Dolostone? With disseminated realgar and arsenopyrite?

---

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
N832155	UTM:	611006 E	UTM:	7098322 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Calcite breccia conglomerate with 10% rusty clasts

---

Sample Number:	Grid East:	E	Grid North:	N	Type: bedrock grab	Dimension:
N832156	UTM:	611180 E	UTM:	7097918 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Light brown weathering, grey dolostone with arsenopyrite (2% blebs).

---

**APPENDIX IV**  
**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: **STRATEGIC METALS LTD.**  
**C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016- 510 W HASTINGS ST**  
**VANCOUVER BC V6B 1L8**

**Page: 1**  
**Finalized Date: 16- JUN- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12126498**

Project: Crag East 3  
 P.O. No.:  
 This report is for 7 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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	
ME- MS41	51 anal. aqua regia ICPMS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Plus Appendix Pages  
 Finalized Date: 16- JUN- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12126498**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
I079751		1.49	0.001	0.11	0.72	4190	<0.2	10	510	0.55	0.19	11.05	0.36	8.23	21.6	12
I079752		1.24	0.016	0.03	0.62	123.0	<0.2	10	530	0.73	0.27	0.90	0.05	20.1	10.1	11
I079753		1.00	0.002	0.08	2.26	21.5	<0.2	10	170	1.66	0.58	0.25	0.06	19.00	25.6	36
I079754		0.87	0.001	0.12	1.54	1355	<0.2	<10	250	0.77	0.26	5.05	0.43	15.70	12.2	49
I079755		1.08	<0.001	0.11	0.70	65.8	<0.2	<10	120	0.50	0.14	9.13	0.21	16.95	7.5	13
I079756		0.73	0.001	0.14	1.39	1505	<0.2	<10	240	0.80	0.26	4.57	0.39	14.20	12.4	37
I079757		0.92	0.001	0.04	0.62	374	<0.2	<10	80	0.33	0.07	14.95	0.09	7.16	3.5	8

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12126498**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
I079751		2.22	21.3	2.86	2.23	0.09	0.11	18.75	0.031	0.19	3.8	6.8	2.65	1040	0.77	0.02
I079752		8.19	59.7	2.43	1.98	0.09	0.06	0.17	0.016	0.36	7.7	6.0	0.13	913	0.71	0.01
I079753		11.75	35.8	4.82	8.57	0.12	0.11	0.11	0.040	0.44	8.9	49.8	0.69	831	0.33	0.03
I079754		1.75	27.4	3.33	4.87	0.10	0.07	0.44	0.035	0.32	7.0	19.3	1.52	1260	1.73	0.03
I079755		2.74	14.6	2.18	2.22	0.07	0.05	1.34	0.024	0.18	7.2	6.3	0.37	497	0.59	0.02
I079756		1.49	33.0	3.52	4.30	0.09	0.10	0.54	0.038	0.29	6.3	18.1	1.25	782	1.66	0.03
I079757		1.45	5.3	1.44	1.66	0.05	0.05	3.49	0.011	0.09	3.1	4.2	8.66	1280	0.34	0.02

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 Plus Appendix Pages  
 Finalized Date: 16- JUN- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12126498**

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
1079751		0.25	24.8	1650	41.4	10.0	0.001	0.01	7.43	4.9	0.6	0.6	249	<0.01	0.06	3.5
1079752		0.32	14.8	270	13.0	18.3	<0.001	<0.01	1.51	3.7	0.4	0.4	42.5	<0.01	0.05	4.3
1079753		0.27	39.4	180	17.8	26.4	<0.001	<0.01	0.38	6.5	0.4	1.1	23.2	<0.01	0.01	7.0
1079754		0.43	32.5	500	22.2	21.5	0.001	0.01	8.27	5.0	0.6	0.6	126.0	<0.01	0.03	3.5
1079755		0.68	12.2	400	30.0	8.2	<0.001	0.01	0.37	3.6	0.6	0.4	186.0	<0.01	0.02	3.5
1079756		0.19	29.3	490	26.3	15.9	0.001	<0.01	2.63	5.2	0.6	0.6	108.5	<0.01	0.03	4.1
1079757		0.27	0.7	760	12.1	7.5	<0.001	0.01	4.08	1.4	0.5	0.2	63.1	<0.01	0.02	0.7



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12126498**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079751		<0.005	17.20	4.07	17	0.42	9.57	152	4.3
1079752		0.009	0.32	0.57	15	0.25	7.61	37	2.1
1079753		0.009	0.38	0.66	33	<0.05	8.15	94	3.1
1079754		0.005	8.91	1.00	29	0.80	8.64	167	2.1
1079755		0.005	0.86	0.64	17	0.14	7.25	97	1.9
1079756		0.006	0.45	0.83	36	0.47	8.26	119	3.6
1079757		<0.005	1.19	1.15	12	0.08	6.64	35	1.4





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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12126498**

**CERTIFICATE COMMENTS**

Applies to Method:



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**19- JUN- 2013**

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**CERTIFICATE WH12126499**

Project: Crag East 1  
 P.O. No.:  
 This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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	
ME- MS41	51 anal. aqua regia ICPMS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12126499**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
1079758		1.33	0.001	0.05	1.00	707	<0.2	<10	100	0.66	0.24	7.43	0.06	13.00	11.2	14
1079759		0.42	0.001	0.10	0.58	202	<0.2	20	90	0.95	0.31	4.97	0.06	15.35	10.1	34
1079760		0.62	0.002	0.03	0.23	339	<0.2	<10	70	0.19	0.03	18.05	0.24	7.24	2.4	5
1079761		0.49	<0.001	0.09	0.80	106	<0.2	10	120	0.57	0.19	10.60	0.05	13.85	8.1	19
1079762		1.19	<0.001	0.05	1.33	249	<0.2	<10	120	0.64	0.23	7.67	5.40	15.50	11.9	20
1079763		1.42	<0.001	0.05	0.70	259	<0.2	<10	60	0.39	0.10	14.65	0.06	7.24	4.9	9
1079764		1.14	<0.001	0.02	0.12	494	<0.2	<10	40	0.12	0.01	19.25	0.09	4.17	1.4	2
1079765		1.10	0.001	0.10	0.93	358	<0.2	10	100	0.57	0.16	5.23	0.13	12.80	8.7	34
1079766		0.91	0.002	0.10	1.17	96.8	<0.2	<10	190	0.63	0.24	5.34	0.13	13.90	11.3	16



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 Finalized Date: 16- JUN- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12126499**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
1079758		2.42	27.8	3.70	3.07	0.10	0.06	1.06	0.032	0.23	5.8	10.2	3.93	1440	0.45	0.02
1079759		13.10	15.1	2.79	1.51	0.08	0.07	0.25	0.034	0.28	5.3	6.1	0.10	419	0.73	0.02
1079760		1.39	3.5	1.72	0.76	0.06	0.03	11.10	0.009	0.06	4.1	1.7	10.75	2190	0.14	0.02
1079761		4.99	16.9	2.46	2.28	0.07	0.06	1.43	0.027	0.21	5.6	6.9	0.45	570	0.50	0.02
1079762		2.76	28.0	3.45	4.14	0.09	0.09	5.07	0.030	0.20	7.0	17.8	2.41	1360	0.55	0.03
1079763		1.25	10.4	1.70	1.98	0.06	0.06	0.84	0.014	0.16	3.4	6.1	8.36	930	0.31	0.03
1079764		0.65	3.4	1.40	0.45	0.07	0.02	2.26	<0.005	0.03	2.7	0.9	11.50	1580	0.12	0.02
1079765		2.59	20.5	2.63	2.83	0.08	0.07	8.76	0.026	0.20	5.6	11.2	1.45	939	0.87	0.02
1079766		1.53	28.0	3.40	3.61	0.09	0.08	0.79	0.033	0.20	5.9	15.6	1.41	1180	0.64	0.02

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



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12126499**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
1079758		0.32	16.4	440	24.2	12.0	<0.001	<0.01	2.52	4.8	0.5	0.5	67.0	<0.01	0.03	3.0
1079759		0.16	28.0	230	26.2	12.6	0.001	0.01	0.15	5.7	0.5	0.5	146.0	<0.01	0.01	5.3
1079760		0.24	<0.2	320	9.3	3.5	<0.001	<0.01	10.30	1.7	0.4	<0.2	105.5	<0.01	0.01	0.7
1079761		0.32	16.5	420	22.4	9.9	<0.001	0.02	0.50	4.2	0.6	0.5	246	<0.01	0.02	4.7
1079762		0.54	17.8	480	170.0	15.0	<0.001	0.01	28.5	4.9	0.5	0.5	154.5	<0.01	0.02	3.9
1079763		0.37	4.7	490	17.8	9.0	<0.001	<0.01	1.81	2.7	0.5	0.3	70.7	<0.01	0.02	1.6
1079764		0.26	<0.2	360	9.1	1.6	<0.001	<0.01	8.74	1.2	0.4	<0.2	82.6	<0.01	0.01	0.3
1079765		0.37	21.1	330	29.8	10.8	<0.001	0.01	4.41	4.3	0.4	0.5	106.5	<0.01	0.02	3.8
1079766		0.44	19.5	410	28.0	11.7	0.001	0.01	1.09	5.1	0.5	0.5	125.5	<0.01	0.02	4.1



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12126499**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079758		<0.005	1.97	0.73	17	0.10	9.61	74	2.0
1079759		<0.005	1.68	0.41	9	0.68	7.70	69	2.5
1079760		<0.005	5.78	0.92	6	0.34	7.13	89	0.8
1079761		<0.005	0.59	0.54	13	0.22	6.89	52	2.8
1079762		0.013	1.95	0.68	23	0.10	7.46	1520	3.6
1079763		<0.005	0.47	1.27	12	0.06	8.53	76	1.5
1079764		<0.005	1.53	1.26	6	0.08	5.62	58	0.6
1079765		0.005	1.11	0.52	15	1.26	6.04	95	2.8
1079766		0.007	0.36	0.60	20	0.13	7.73	92	3.1



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**CERTIFICATE WH12128726**

Project: Crag East 1  
 P.O. No.:  
 This report is for 11 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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	
ME- MS41	51 anal. aqua regia ICPMS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Account: MTT

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**CERTIFICATE OF ANALYSIS WH12128726**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
1079767		1.17	0.003	0.06	0.90	672	<0.2	10	140	0.81	0.23	7.00	0.09	11.60	11.8	23
1079768		0.77	0.001	0.07	1.01	138.0	<0.2	10	240	0.85	0.26	4.84	0.12	12.70	14.6	24
1079769		1.06	0.004	0.08	1.08	63.4	<0.2	<10	240	0.75	0.23	5.69	0.24	13.60	12.6	18
1079770		0.99	0.002	0.11	1.40	432	<0.2	<10	280	1.08	0.30	3.17	0.28	17.35	15.0	24
1079701		0.75	0.002	0.01	0.12	314	<0.2	<10	40	0.14	0.02	17.85	0.77	6.19	1.9	2
1079703		0.75	0.003	0.03	0.65	>10000	<0.2	10	310	0.46	0.48	1.18	0.04	3.32	4.7	6
1079704		1.02	<0.001	0.02	0.17	8210	<0.2	10	110	0.13	0.11	0.37	0.07	1.88	7.4	3
1079705		0.89	<0.001	0.01	0.14	>10000	<0.2	<10	70	0.05	0.06	0.35	0.03	0.75	0.5	4
1079706		1.02	0.002	0.02	0.39	>10000	<0.2	10	140	0.22	0.18	12.50	0.05	10.35	8.0	7
1079707		1.19	0.001	0.04	0.17	5300	<0.2	<10	240	0.17	0.04	17.95	0.91	10.65	77.4	2
1079708		0.44	0.002	0.03	0.23	>10000	<0.2	10	280	0.20	0.09	14.55	0.58	4.82	18.0	4

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



ALS Canada Ltd.  
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**CERTIFICATE OF ANALYSIS WH12128726**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
I079767		3.68	24.5	3.01	2.90	0.07	0.04	1.91	0.029	0.20	5.0	12.7	3.32	1320	0.64	0.02
I079768		3.44	35.8	3.39	3.26	0.06	0.05	1.18	0.035	0.20	4.9	13.7	1.68	1280	0.95	0.02
I079769		1.01	29.0	3.12	3.63	0.07	0.07	0.42	0.033	0.16	5.7	17.9	1.27	912	0.98	0.02
I079770		1.35	29.0	3.62	4.71	0.06	0.07	0.63	0.038	0.19	6.9	22.3	1.02	891	1.36	0.02
I079701		0.74	2.6	1.07	0.44	<0.05	0.05	0.54	0.006	0.04	2.6	1.0	10.05	991	0.12	0.02
I079703		6.45	41.4	2.60	1.82	<0.05	0.11	1275	0.059	0.19	1.6	1.2	0.61	538	0.31	0.01
I079704		1.72	7.0	0.81	0.50	<0.05	0.05	2140	0.018	0.08	0.9	0.7	0.12	279	0.10	<0.01
I079705		0.74	6.5	0.59	0.48	0.15	0.05	2690	0.113	0.06	0.4	0.5	0.15	71	0.12	<0.01
I079706		3.74	11.4	3.08	1.15	0.13	0.08	42.3	0.042	0.18	4.9	1.5	6.35	1360	0.13	0.02
I079707		2.38	8.5	1.39	3.27	0.10	0.08	7.18	0.013	0.07	4.2	1.1	7.90	34100	4.29	0.02
I079708		4.15	7.2	2.61	2.22	0.14	0.08	15.85	0.036	0.11	2.3	1.4	7.66	21400	1.33	0.02

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**CERTIFICATE OF ANALYSIS WH12128726**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
1079767		0.28	21.4	330	20.1	11.7	<0.001	0.02	6.51	5.1	0.4	0.4	69.7	<0.01	0.03	3.2
1079768		0.31	25.3	400	27.7	13.2	<0.001	0.01	1.89	6.1	0.5	0.5	84.1	<0.01	0.04	3.8
1079769		0.21	23.0	420	21.5	10.0	0.001	0.03	1.79	5.5	0.5	0.5	167.5	<0.01	0.03	4.2
1079770		0.43	28.4	530	23.3	11.8	0.001	0.01	2.53	6.5	0.6	0.6	84.3	<0.01	0.03	4.7
1079701		0.12	3.3	520	7.8	1.7	<0.001	0.19	2.57	1.5	0.4	<0.2	236	<0.01	0.02	0.9
1079703		0.06	5.4	540	21.8	9.2	<0.001	0.15	261	8.1	0.4	0.5	19.6	<0.01	0.03	4.5
1079704		<0.05	10.1	140	10.6	3.7	<0.001	0.05	49.1	2.1	0.2	0.3	53.6	<0.01	0.01	1.1
1079705		0.07	0.7	120	7.7	2.9	<0.001	2.92	371	1.0	0.3	0.2	32.0	<0.01	0.02	0.9
1079706		0.14	14.7	320	24.6	6.2	<0.001	0.03	47.4	3.7	0.5	0.4	166.5	<0.01	0.04	2.0
1079707		0.18	153.5	930	28.4	2.6	<0.001	0.03	122.5	1.6	1.8	<0.2	248	<0.01	0.03	1.2
1079708		0.19	32.3	270	10.6	5.0	<0.001	0.03	295	3.2	1.1	0.2	258	<0.01	0.02	2.3

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**CERTIFICATE OF ANALYSIS WH12128726**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079767		<0.005	1.32	0.76	14	0.53	7.44	73	1.3
1079768		0.005	0.56	0.74	20	0.33	7.99	83	2.0
1079769		0.005	0.28	0.86	21	0.25	8.53	97	3.2
1079770		0.005	0.21	0.89	30	0.52	9.32	102	2.9
1079701		<0.005	0.42	1.32	4	<0.05	6.73	176	1.8
1079703		<0.005	26.0	1.35	8	0.46	5.21	102	5.3
1079704		<0.005	10.40	0.31	3	0.13	1.72	123	1.9
1079705		<0.005	5.02	0.39	2	0.09	0.76	43	1.8
1079706		<0.005	31.9	0.65	9	0.30	7.43	47	2.8
1079707		<0.005	530	3.46	5	0.12	12.60	9420	3.3
1079708		<0.005	740	0.92	6	0.15	5.67	4720	3.1



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**CERTIFICATE OF ANALYSIS WH12128726**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**

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**Finalized Date: 20- JUN- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12128727**

Project: Crag East 1  
 P.O. No.:  
 This report is for 142 Soil samples submitted to our lab in Whitehorse, YT, Canada on 9- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015791		0.29	0.003	0.13	1.60	56.2	<0.2	<10	220	1.28	0.34	0.19	0.12	22.4	13.5	27
DD015792		0.26	0.001	0.14	1.41	24.5	<0.2	<10	100	0.46	0.25	0.06	0.13	20.3	5.8	20
DD015793		0.23	0.001	0.05	1.18	96.9	<0.2	<10	310	0.63	0.29	0.60	0.21	14.00	9.0	22
DD015794		0.23	0.001	0.02	1.08	553	<0.2	<10	170	1.10	0.35	0.15	0.28	16.05	12.1	20
DD015795		0.22	0.001	0.16	1.11	201	<0.2	<10	400	1.31	0.30	1.08	0.33	16.45	11.2	21
DD015796		0.30	0.001	0.09	1.23	269	<0.2	<10	230	1.20	0.32	0.38	0.31	17.55	12.6	23
DD015797		0.37	0.001	0.10	1.12	91.8	<0.2	<10	240	1.10	0.32	1.00	0.35	15.55	11.7	22
DD015798		0.27	NSS	0.12	1.05	155.5	<0.2	10	330	1.12	0.30	1.16	0.50	14.75	14.2	20
DD015799		0.33	0.003	0.13	0.89	83.5	<0.2	10	150	1.00	0.34	1.94	0.37	12.60	11.0	18
DD015800		0.24	0.001	0.10	0.62	454	<0.2	20	110	0.91	0.28	2.77	0.19	12.30	10.2	11
DD015801		0.30	0.002	0.07	0.58	866	<0.2	10	70	1.19	0.36	4.34	0.10	15.40	9.4	11
DD015802		0.29	0.002	0.07	0.59	1275	<0.2	10	70	1.18	0.39	1.50	0.13	10.70	8.8	11
DD015803		0.16	0.005	0.13	1.28	320	<0.2	<10	170	2.63	0.26	2.23	0.54	34.2	9.8	13
DD015804		0.15	0.003	0.06	0.91	49.5	<0.2	<10	210	0.73	0.20	2.67	0.29	9.69	7.4	14
DD015805		0.19	NSS	0.08	0.83	29.9	<0.2	<10	210	0.62	0.17	3.14	0.35	10.20	6.8	12
DD015806		0.09	0.008	0.05	1.12	33.7	<0.2	<10	230	0.90	0.22	0.78	1.10	20.6	8.5	16
DD015807		0.10	0.004	0.33	0.65	24.9	<0.2	10	330	0.54	0.09	5.27	1.57	8.67	4.2	7
DD015808		0.25	0.001	0.03	1.38	20.7	<0.2	<10	90	1.05	0.31	0.12	0.05	16.00	10.1	25
DD015809		0.22	0.003	0.20	1.06	55.5	<0.2	10	330	0.94	0.21	2.29	1.15	16.70	6.9	14
DD015810		0.28	0.004	0.19	0.77	164.5	<0.2	<10	120	1.24	0.31	3.44	0.88	23.7	11.1	12
DD015751		0.29	0.002	0.14	1.06	39.1	<0.2	10	150	0.96	0.29	1.52	0.23	13.35	11.0	18
DD015752		0.24	<0.001	0.20	0.86	42.8	<0.2	10	140	1.08	0.30	1.33	0.24	12.80	11.8	14
DD015753		0.38	0.001	0.29	1.18	28.4	<0.2	<10	130	0.78	0.28	2.22	0.31	21.6	12.9	21
DD015754		0.27	0.002	0.13	1.14	25.7	<0.2	<10	230	0.79	0.27	2.18	0.17	15.90	12.2	21
DD015755		0.14	0.003	0.05	0.99	18.9	<0.2	<10	160	0.85	0.26	1.48	0.15	16.00	10.6	17
DD015756		0.27	0.002	0.06	1.09	31.5	<0.2	<10	180	0.88	0.28	1.64	0.17	18.80	12.0	19
DD015757		0.14	0.008	0.06	1.00	20.1	<0.2	<10	210	0.73	0.23	2.38	0.29	12.20	8.7	15
DD015758		0.25	0.002	0.13	1.21	41.7	<0.2	<10	190	0.92	0.29	1.25	0.33	16.75	13.0	21
DD015759		0.20	0.001	0.46	1.08	88.4	<0.2	<10	150	0.92	0.25	3.40	1.03	18.15	11.7	18
DD015811		0.38	0.002	0.86	1.08	105.5	<0.2	<10	230	1.19	0.32	3.58	0.75	19.05	13.4	19
DD015812		0.22	0.002	0.09	1.34	21.9	<0.2	<10	120	1.01	0.32	0.26	0.11	23.3	14.0	26
DD015813		0.23	<0.001	0.08	1.83	41.0	<0.2	<10	160	1.25	0.34	0.10	0.14	21.8	17.2	29
DD015814		0.32	0.002	0.28	1.48	64.2	<0.2	<10	210	1.16	0.33	1.24	0.43	23.8	16.0	25
DD015815		0.22	0.001	0.11	0.46	68.4	<0.2	10	330	1.21	0.33	0.66	0.26	8.05	18.0	8
DD015816		0.19	0.001	0.10	0.66	214	<0.2	20	190	0.62	0.18	11.15	0.35	11.00	7.2	11
DD015817		0.24	0.002	0.14	0.91	91.6	<0.2	10	180	0.95	0.26	1.31	0.50	13.45	10.9	17
DD015818		0.13	0.002	0.06	0.45	374	<0.2	10	100	0.46	0.14	16.25	0.20	6.32	6.3	7
DD015819		0.25	0.007	0.19	1.35	30.3	<0.2	<10	320	1.03	0.32	1.24	0.49	21.0	13.6	24
DD015820		0.06	0.016	0.09	0.33	26.3	<0.2	20	60	0.33	0.07	4.41	0.71	6.51	5.3	10
DD015821		0.31	0.004	0.38	1.33	47.3	<0.2	<10	200	0.74	0.26	2.50	0.79	25.3	10.0	24

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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015791		1.36	37.4	4.17	5.09	0.07	0.03	0.76	0.040	0.08	12.3	19.6	0.38	1040	0.64	<0.01
DD015792		2.09	7.5	3.13	5.28	<0.05	0.03	0.09	0.029	0.04	9.1	17.5	0.20	244	0.79	<0.01
DD015793		1.06	15.4	3.17	4.50	<0.05	0.03	0.09	0.033	0.10	5.7	17.5	0.29	511	0.77	<0.01
DD015794		1.85	27.7	3.93	3.84	<0.05	<0.02	0.28	0.037	0.08	6.2	19.8	0.21	435	1.14	<0.01
DD015795		2.25	41.0	3.86	3.46	0.06	0.05	0.51	0.038	0.10	8.1	14.4	0.55	950	1.23	0.01
DD015796		2.63	34.5	3.76	4.05	<0.05	0.05	0.43	0.037	0.09	7.1	15.3	0.27	821	1.28	<0.01
DD015797		2.10	34.5	3.28	3.78	0.05	0.06	0.40	0.038	0.11	6.2	16.6	0.57	697	0.91	<0.01
DD015798		2.57	34.1	3.09	3.57	<0.05	0.06	0.37	0.035	0.10	5.9	16.5	0.37	858	1.32	<0.01
DD015799		5.19	46.7	1.75	2.82	<0.05	0.06	1.43	0.037	0.10	4.9	15.9	0.43	533	0.41	<0.01
DD015800		16.35	28.3	2.35	1.86	<0.05	0.04	1.94	0.031	0.09	4.8	8.5	0.34	402	0.31	<0.01
DD015801		39.3	32.0	3.00	1.90	<0.05	0.04	0.49	0.041	0.13	6.2	7.9	0.33	307	0.47	<0.01
DD015802		79.6	36.9	3.28	1.65	<0.05	0.02	0.38	0.045	0.11	5.3	6.2	0.22	378	0.44	<0.01
DD015803		10.75	44.1	2.59	3.06	0.10	0.04	0.27	0.037	0.12	20.4	14.8	0.25	808	0.42	<0.01
DD015804		0.89	27.9	2.22	2.73	<0.05	0.03	0.70	0.024	0.04	4.4	10.1	0.32	536	0.37	<0.01
DD015805		1.39	25.5	1.90	2.57	<0.05	0.03	0.28	0.023	0.04	4.6	10.0	0.31	643	0.41	<0.01
DD015806		1.59	10.1	2.68	3.69	<0.05	0.03	0.11	0.031	0.06	6.8	10.1	0.26	1730	0.60	<0.01
DD015807		0.85	24.1	0.87	1.50	<0.05	0.02	0.18	0.013	0.03	4.9	3.4	0.30	1340	0.37	0.01
DD015808		1.71	31.0	3.76	4.44	0.05	0.03	0.24	0.033	0.11	6.5	21.8	0.36	294	0.43	<0.01
DD015809		1.51	26.8	2.70	3.03	<0.05	0.03	0.18	0.027	0.08	8.5	12.7	0.32	1080	0.48	<0.01
DD015810		2.43	23.3	3.54	1.94	0.06	0.04	2.01	0.037	0.11	10.8	7.0	1.71	1760	0.56	<0.01
DD015751		3.29	32.5	3.33	3.21	<0.05	0.05	0.42	0.038	0.10	5.5	13.3	0.29	951	0.53	<0.01
DD015752		7.46	35.9	3.23	2.73	<0.05	0.04	0.46	0.038	0.09	5.1	10.3	0.20	1020	0.63	<0.01
DD015753		0.90	40.8	3.49	4.04	0.06	0.05	0.42	0.037	0.07	8.4	20.5	0.86	1010	0.56	<0.01
DD015754		0.95	39.7	3.37	3.69	0.05	0.03	0.26	0.035	0.07	6.5	17.5	0.63	956	0.49	<0.01
DD015755		1.17	28.5	2.84	3.36	<0.05	0.04	0.17	0.032	0.06	6.6	13.8	0.27	819	0.54	<0.01
DD015756		1.09	33.4	3.26	3.59	0.05	0.04	0.31	0.035	0.06	7.9	15.6	0.54	1120	0.52	<0.01
DD015757		0.70	27.9	2.49	3.19	<0.05	0.03	0.20	0.029	0.06	5.4	12.2	0.33	652	0.41	<0.01
DD015758		1.07	33.1	3.33	4.64	<0.05	0.04	0.51	0.036	0.06	7.0	16.7	0.43	854	0.51	<0.01
DD015759		1.09	27.6	3.12	3.85	<0.05	0.04	1.36	0.032	0.05	7.6	13.1	1.74	1040	0.57	0.01
DD015811		2.43	31.2	3.49	3.90	0.06	0.04	1.56	0.038	0.08	10.0	15.1	2.16	1180	0.75	0.01
DD015812		0.94	31.8	3.62	5.78	0.06	0.04	0.27	0.035	0.07	11.3	25.3	0.42	627	0.67	<0.01
DD015813		1.59	22.8	4.39	6.10	<0.05	0.05	0.19	0.043	0.06	8.7	31.5	0.39	546	1.29	<0.01
DD015814		1.10	38.7	3.92	5.67	0.06	0.07	0.80	0.040	0.08	11.9	20.0	0.93	1240	0.95	0.01
DD015815		5.80	55.3	3.94	1.67	<0.05	0.03	0.60	0.039	0.14	3.6	4.3	0.13	2780	0.96	<0.01
DD015816		14.95	20.0	2.64	2.14	0.06	0.05	0.41	0.022	0.08	4.6	14.7	0.59	1400	0.20	0.01
DD015817		4.15	31.1	2.41	3.37	<0.05	0.07	0.45	0.033	0.10	5.4	17.7	0.41	260	0.71	<0.01
DD015818		14.25	16.4	1.85	1.51	<0.05	0.03	0.60	0.015	0.07	2.6	7.7	0.47	331	0.38	0.01
DD015819		1.29	35.2	3.42	4.61	0.05	0.06	0.40	0.035	0.11	8.6	29.0	0.75	828	0.60	<0.01
DD015820		0.37	14.1	2.79	1.04	<0.05	0.06	0.10	0.011	0.02	2.8	3.5	0.63	379	0.94	0.01
DD015821		1.40	24.9	3.01	4.18	0.05	0.05	0.74	0.027	0.08	12.0	21.1	1.56	696	0.74	<0.01

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





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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015791		0.68	27.8	140	56.5	11.0	<0.001	0.01	10.05	7.4	1.0	0.6	12.5	<0.01	0.02	5.8
DD015792		1.01	13.1	140	24.2	12.8	<0.001	0.01	3.20	2.0	0.2	0.6	6.3	<0.01	0.03	3.5
DD015793		0.61	19.8	280	16.9	14.6	<0.001	0.02	0.63	3.4	0.3	0.6	25.6	<0.01	0.02	2.7
DD015794		0.33	24.9	200	25.5	14.7	<0.001	0.01	0.84	3.8	0.5	0.6	14.5	<0.01	0.01	4.1
DD015795		0.33	32.5	630	25.9	12.4	<0.001	0.05	0.95	6.3	1.1	0.5	28.3	<0.01	0.04	3.3
DD015796		0.35	31.9	500	25.0	15.7	<0.001	0.03	1.07	5.2	1.0	0.6	22.5	<0.01	0.03	3.6
DD015797		0.38	29.0	460	22.2	15.4	0.001	0.07	0.95	5.4	1.0	0.6	32.2	<0.01	0.02	4.2
DD015798		0.44	32.0	540	23.9	13.8	0.004	0.22	1.11	4.7	1.8	0.5	49.1	<0.01	0.02	3.0
DD015799		0.52	25.7	370	28.8	17.9	0.004	1.13	0.77	5.7	1.6	0.5	48.6	<0.01	0.02	3.9
DD015800		0.41	24.7	390	23.6	26.7	<0.001	0.66	2.58	4.2	1.0	0.4	50.7	<0.01	0.01	2.6
DD015801		0.27	21.8	270	22.8	31.4	<0.001	0.08	1.32	5.3	0.4	0.4	52.1	<0.01	0.02	4.9
DD015802		0.20	22.1	420	24.9	43.1	<0.001	0.08	1.86	4.0	0.5	0.4	45.9	<0.01	0.01	1.6
DD015803		0.33	35.4	740	19.4	26.7	<0.001	0.07	1.23	4.4	1.3	0.5	65.2	<0.01	0.01	1.5
DD015804		0.66	17.7	570	15.9	7.1	<0.001	0.10	1.24	1.8	0.4	0.4	78.8	<0.01	0.01	0.6
DD015805		0.59	15.7	610	13.2	7.3	<0.001	0.11	1.11	1.4	0.8	0.3	95.2	<0.01	0.02	0.4
DD015806		0.47	12.1	210	42.8	14.0	<0.001	0.03	5.40	2.6	0.4	0.5	27.3	<0.01	0.03	2.5
DD015807		0.28	10.2	1030	7.8	5.4	<0.001	0.18	1.69	0.5	0.6	0.2	139.5	<0.01	<0.01	<0.2
DD015808		0.90	26.3	100	20.6	15.7	<0.001	0.01	2.96	3.7	0.4	0.5	10.8	<0.01	0.02	5.3
DD015809		0.49	15.5	580	44.2	11.2	<0.001	0.06	13.65	2.4	0.6	0.5	83.1	<0.01	0.03	0.7
DD015810		0.27	18.8	370	113.5	10.7	<0.001	0.04	41.8	6.1	0.6	0.4	34.2	<0.01	0.02	3.6
DD015751		0.60	25.8	430	28.9	11.3	<0.001	0.07	2.41	4.1	0.6	0.5	39.7	<0.01	0.03	2.3
DD015752		0.39	33.1	400	25.4	15.4	0.001	0.08	1.28	4.3	0.9	0.5	44.5	<0.01	0.03	2.0
DD015753		1.18	25.8	470	34.7	6.8	<0.001	0.02	4.28	5.1	0.6	0.5	62.0	<0.01	0.01	5.1
DD015754		1.03	24.2	450	26.7	6.9	<0.001	0.04	1.86	4.3	0.5	0.5	60.9	<0.01	0.02	2.6
DD015755		0.81	19.4	400	22.7	8.7	<0.001	0.07	0.80	3.8	0.6	0.5	52.4	<0.01	0.01	1.8
DD015756		0.91	22.0	320	29.0	8.6	<0.001	0.06	1.76	4.5	0.7	0.5	45.7	<0.01	0.02	2.0
DD015757		0.78	17.1	530	21.1	9.1	<0.001	0.09	2.03	2.6	0.6	0.4	66.4	<0.01	0.01	0.9
DD015758		1.09	23.0	380	35.5	8.6	<0.001	0.06	6.82	4.1	0.7	0.5	30.8	<0.01	0.03	2.1
DD015759		0.81	22.1	450	86.1	7.2	<0.001	0.05	24.4	4.0	0.5	0.5	34.1	<0.01	0.03	2.0
DD015811		0.50	26.9	660	85.8	8.8	<0.001	0.04	26.2	5.9	1.1	0.5	32.2	<0.01	0.04	3.3
DD015812		1.48	28.4	450	25.0	8.9	<0.001	0.02	2.37	4.9	0.4	0.7	17.6	<0.01	0.03	5.1
DD015813		1.32	33.7	200	47.7	14.9	<0.001	0.02	4.75	3.6	0.4	0.7	10.0	<0.01	0.05	4.8
DD015814		1.01	33.0	320	55.0	9.2	<0.001	0.03	13.45	6.2	0.9	0.7	20.2	<0.01	0.04	5.2
DD015815		0.17	30.2	300	15.5	14.2	<0.001	0.08	1.53	5.3	0.7	0.3	46.1	<0.01	0.04	2.3
DD015816		0.47	16.8	500	20.4	17.5	<0.001	0.20	1.03	3.0	0.6	0.3	214	<0.01	0.02	2.1
DD015817		0.40	25.8	450	23.2	18.6	0.002	0.65	0.73	4.7	1.1	0.5	62.0	<0.01	0.03	3.1
DD015818		0.25	14.2	250	11.3	14.5	<0.001	2.31	0.84	2.6	1.2	0.3	149.0	<0.01	0.02	1.7
DD015819		0.87	28.7	470	38.4	9.4	<0.001	0.07	3.97	5.3	1.0	0.6	57.1	<0.01	0.04	4.1
DD015820		0.47	13.1	340	6.9	2.3	0.002	3.26	2.17	1.9	1.7	0.2	121.0	0.01	0.01	0.8
DD015821		0.78	24.7	520	41.5	8.0	<0.001	0.06	7.83	4.9	0.7	0.5	28.6	<0.01	0.02	4.3



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015791		0.012	0.27	0.99	30	0.10	14.05	134	1.1
DD015792		0.014	0.16	0.42	43	0.16	2.04	91	1.0
DD015793		0.011	0.11	0.60	31	0.11	3.02	121	0.8
DD015794		0.005	0.18	0.82	28	0.06	4.78	107	0.5
DD015795		0.005	0.19	1.72	30	0.07	15.05	130	1.6
DD015796		0.006	0.27	1.45	31	0.07	9.61	122	1.3
DD015797		0.006	0.17	1.04	27	0.08	8.93	109	1.7
DD015798		0.005	0.21	1.81	27	0.07	9.08	120	1.8
DD015799		0.007	0.53	2.24	19	0.07	8.82	115	2.0
DD015800		0.005	0.92	1.44	13	0.11	7.54	92	1.5
DD015801		<0.005	0.24	0.54	14	0.09	6.70	73	1.2
DD015802		<0.005	0.20	0.77	14	0.12	6.96	73	0.7
DD015803		<0.005	0.13	3.64	18	0.08	24.4	65	0.9
DD015804		0.009	0.09	1.78	15	0.06	5.68	58	0.9
DD015805		0.010	0.06	1.04	15	0.05	5.19	66	0.8
DD015806		0.006	0.14	0.68	28	0.08	4.27	201	1.0
DD015807		0.008	0.05	1.99	13	<0.05	5.08	106	0.6
DD015808		0.017	0.16	0.59	24	0.06	3.79	85	1.2
DD015809		0.006	0.10	1.06	24	0.08	8.01	210	0.7
DD015810		<0.005	0.34	0.83	17	0.07	13.85	217	1.0
DD015751		0.008	0.54	1.20	19	0.08	7.45	118	1.1
DD015752		0.005	1.53	1.20	16	0.07	9.09	112	1.2
DD015753		0.028	0.14	0.60	23	0.08	7.30	133	2.2
DD015754		0.016	0.11	0.87	21	0.08	7.17	100	1.0
DD015755		0.010	0.10	1.31	19	0.09	7.75	74	1.0
DD015756		0.011	0.12	0.81	21	0.12	9.88	88	1.0
DD015757		0.009	0.10	1.29	17	0.07	6.88	88	0.9
DD015758		0.013	0.22	1.00	22	0.11	7.52	137	1.3
DD015759		0.009	0.58	1.14	21	0.10	9.60	256	1.3
DD015811		0.008	0.49	1.05	22	0.11	13.15	241	1.2
DD015812		0.026	0.10	0.66	27	0.10	7.48	91	1.6
DD015813		0.014	0.21	0.57	33	0.12	3.67	109	2.4
DD015814		0.016	0.39	0.91	31	0.15	11.90	213	2.3
DD015815		<0.005	0.13	0.76	11	<0.05	4.43	74	0.9
DD015816		0.007	0.17	0.47	11	0.14	4.98	83	1.6
DD015817		0.006	0.28	1.16	24	0.05	8.78	121	2.5
DD015818		0.005	0.34	1.73	9	<0.05	4.32	59	1.4
DD015819		0.015	0.16	0.79	26	0.08	8.60	119	1.8
DD015820		0.014	0.06	11.05	10	<0.05	4.18	74	2.7
DD015821		0.023	0.27	0.78	34	0.25	9.75	204	1.7



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015822		0.40	0.002	0.17	1.36	37.8	<0.2	<10	140	0.90	0.32	1.62	0.42	18.95	14.7	24
DD015823		0.21	0.002	0.15	0.92	77.7	<0.2	<10	140	0.95	0.26	3.41	0.34	15.80	11.5	15
DD015824		0.41	0.002	0.09	1.44	29.7	<0.2	<10	210	1.10	0.34	3.04	0.32	18.45	15.5	24
DD015825		0.24	0.001	0.14	1.15	28.6	<0.2	<10	130	0.83	0.29	1.03	0.27	14.90	9.5	21
DD015826		0.36	0.001	0.18	1.25	35.8	<0.2	<10	140	0.85	0.29	2.97	0.67	17.40	14.0	23
DD015827		0.31	0.002	0.17	1.34	37.2	<0.2	<10	120	0.88	0.32	2.09	0.45	18.90	14.4	25
DD015828		0.32	0.001	0.16	1.25	31.7	<0.2	<10	120	0.77	0.28	2.19	0.49	17.30	13.2	23
DD015829		0.30	0.001	0.11	1.15	22.8	<0.2	<10	120	0.72	0.27	3.24	0.31	17.85	12.5	21
DD015830		0.31	0.001	0.12	1.29	28.6	<0.2	<10	140	0.84	0.29	1.60	0.43	17.50	12.2	23
DD015831		0.21	0.002	0.07	1.02	21.3	<0.2	<10	140	0.82	0.28	0.81	0.14	14.00	12.0	19
DD015832		0.15	0.001	0.07	1.08	19.2	<0.2	<10	250	0.77	0.24	2.00	0.29	11.40	10.6	18
DD015833		0.27	0.002	0.20	1.12	36.9	<0.2	<10	160	0.78	0.26	4.37	0.62	17.70	13.0	20
DD015834		0.31	0.001	0.22	0.99	48.0	<0.2	<10	100	0.70	0.27	2.96	1.09	17.40	13.0	18
DD015835		0.22	0.001	0.27	1.52	48.7	<0.2	<10	140	0.93	0.28	2.63	0.70	21.6	12.5	25
DD015836		0.22	0.001	0.70	1.28	99.9	<0.2	<10	140	0.81	0.25	4.55	2.19	17.20	11.6	20
DD015837		0.29	0.001	0.30	1.43	90.1	<0.2	<10	140	0.92	0.29	2.69	0.96	19.65	14.4	25
DD015760		0.26	<0.001	0.07	1.61	33.3	<0.2	<10	160	0.65	0.26	0.17	0.18	25.2	8.1	25
DD015761		0.23	0.001	0.05	1.94	15.6	<0.2	<10	240	0.82	0.25	0.27	0.08	27.6	10.0	30
DD015762		0.12	0.002	0.17	0.75	29.5	<0.2	<10	140	0.79	0.27	0.68	0.23	17.15	9.8	14
DD015763		0.10	0.001	0.06	0.63	25.4	<0.2	<10	110	0.35	0.22	1.53	0.21	12.75	6.7	10
DD015764		0.09	0.001	0.09	0.78	308	<0.2	10	150	0.76	0.23	1.20	0.39	10.65	9.5	14
DD015765		0.49	0.002	0.09	1.34	25.7	<0.2	<10	170	0.95	0.30	0.86	0.24	17.40	13.4	25
DD015766		0.21	0.002	0.13	1.20	38.1	<0.2	<10	140	0.78	0.28	1.65	0.33	19.35	12.7	23
DD015767		0.20	0.001	0.17	1.48	67.4	<0.2	<10	270	0.98	0.26	0.67	0.52	19.60	8.4	23
DD015768		0.18	0.001	0.25	2.25	109.0	<0.2	<10	210	1.39	0.41	0.31	1.72	26.5	10.2	27
DD015769		0.24	0.001	0.04	1.64	29.5	<0.2	<10	180	0.73	0.23	0.29	0.11	28.2	8.8	27
DD015770		0.24	0.003	0.32	1.01	85.4	<0.2	<10	140	1.04	0.29	1.84	0.67	16.85	9.9	17
DD015771		0.47	0.001	0.19	1.23	29.0	<0.2	<10	200	0.93	0.30	1.30	0.62	20.3	14.1	22
DD015772		0.33	0.001	0.09	1.21	21.5	<0.2	<10	160	0.82	0.30	1.34	0.19	17.10	12.5	23
DD015773		0.33	0.002	0.11	1.60	32.8	<0.2	<10	210	1.08	0.29	0.96	0.13	20.8	12.9	28
DD015774		0.26	0.001	0.09	1.59	30.8	<0.2	<10	200	0.86	0.25	0.16	0.10	18.85	10.4	27
DD015775		0.40	0.003	0.11	1.60	30.4	<0.2	<10	190	1.05	0.29	0.20	0.10	21.3	15.2	29
DD015776		0.25	0.002	0.14	1.83	34.0	<0.2	<10	210	1.00	0.28	0.30	0.16	19.25	12.0	32
DD015777		0.37	0.002	0.14	1.61	31.1	<0.2	<10	240	0.95	0.28	0.44	0.15	22.3	13.3	29
DD015778		0.22	0.002	0.30	1.28	34.3	<0.2	<10	240	0.79	0.23	1.29	0.37	15.00	11.8	22
DD015779		0.36	0.002	0.09	1.49	18.7	<0.2	<10	250	1.08	0.32	2.43	0.22	14.60	14.8	25
DD015780		0.34	0.003	0.11	1.27	30.7	<0.2	<10	230	0.94	0.29	1.59	0.33	15.40	14.5	23
DD015781		0.16	0.002	0.26	1.09	41.4	<0.2	<10	150	0.75	0.23	1.53	0.65	12.90	11.0	19
DD015782		0.20	0.004	0.60	1.24	50.6	<0.2	<10	130	0.86	0.26	2.46	0.61	18.15	12.9	22
DD015783		0.26	0.001	0.29	1.33	33.5	<0.2	<10	180	0.85	0.27	0.83	0.72	19.25	12.8	24



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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015822		1.20	38.0	3.77	4.81	0.06	0.07	0.51	0.030	0.08	7.6	24.0	1.15	1070	0.48	<0.01
DD015823		2.58	18.9	3.60	2.70	<0.05	0.03	1.02	0.030	0.07	7.4	9.2	1.74	1210	0.54	<0.01
DD015824		1.51	38.1	3.64	5.08	0.06	0.07	0.36	0.032	0.14	7.1	25.9	1.10	1020	0.56	0.01
DD015825		1.16	31.0	3.35	3.97	0.05	0.06	0.41	0.030	0.08	6.0	19.0	0.38	276	0.41	<0.01
DD015826		1.29	32.1	3.48	4.50	0.06	0.05	0.57	0.031	0.09	7.0	22.0	0.99	1010	0.49	<0.01
DD015827		1.09	35.6	3.70	5.02	0.06	0.05	0.50	0.034	0.08	7.7	23.2	0.96	962	0.53	<0.01
DD015828		0.88	34.7	3.52	4.47	0.06	0.04	0.56	0.030	0.07	7.2	20.5	0.92	967	0.48	<0.01
DD015829		0.90	35.1	3.38	4.10	0.07	0.05	0.30	0.028	0.07	7.4	20.1	1.01	941	0.48	<0.01
DD015830		0.71	34.1	3.53	4.70	0.05	0.05	0.37	0.032	0.06	7.9	21.6	0.78	814	0.50	<0.01
DD015831		0.73	34.5	3.23	3.65	<0.05	0.04	0.23	0.029	0.06	6.0	16.3	0.32	924	0.49	<0.01
DD015832		0.68	33.4	2.87	3.58	<0.05	0.03	0.23	0.025	0.06	5.0	14.2	0.33	825	0.44	<0.01
DD015833		0.89	35.1	3.14	4.01	0.06	0.06	0.54	0.028	0.06	7.0	19.2	1.55	976	0.53	0.01
DD015834		0.95	34.2	3.07	3.60	0.06	0.05	0.66	0.027	0.05	7.2	18.4	1.70	1140	0.60	<0.01
DD015835		0.67	19.5	3.62	4.97	0.05	0.05	0.75	0.029	0.07	9.3	20.5	1.76	1350	0.52	<0.01
DD015836		1.01	27.4	3.23	4.28	<0.05	0.05	1.64	0.028	0.05	7.4	17.3	2.81	1410	0.46	0.01
DD015837		0.92	26.6	3.78	4.84	0.05	0.05	1.42	0.030	0.05	8.0	20.9	1.71	1410	0.49	0.01
DD015760		1.51	7.5	3.16	5.62	<0.05	0.03	0.10	0.026	0.05	12.1	23.1	0.32	286	1.18	<0.01
DD015761		1.17	11.9	3.21	5.40	<0.05	0.05	0.05	0.028	0.05	11.4	21.9	0.46	322	0.88	<0.01
DD015762		1.24	18.9	2.77	2.53	<0.05	0.04	0.51	0.029	0.06	6.7	10.1	0.18	632	0.51	<0.01
DD015763		1.10	10.6	2.00	2.52	<0.05	0.02	0.27	0.019	0.05	4.4	6.6	0.67	384	0.47	<0.01
DD015764		5.72	22.6	2.77	2.67	<0.05	0.05	0.32	0.023	0.08	4.5	12.2	0.32	559	0.96	<0.01
DD015765		0.98	36.6	3.73	4.71	0.05	0.05	0.28	0.030	0.09	7.0	21.9	0.61	880	0.56	<0.01
DD015766		0.84	35.2	3.53	4.28	0.05	0.06	0.36	0.028	0.07	7.9	19.8	1.16	940	0.54	<0.01
DD015767		1.64	16.8	3.53	4.12	0.05	0.04	0.45	0.032	0.07	9.9	16.7	0.32	752	0.71	<0.01
DD015768		2.72	9.7	4.27	5.21	<0.05	0.05	0.85	0.044	0.08	9.5	24.1	0.24	1320	0.71	<0.01
DD015769		1.08	9.6	3.09	4.96	0.05	0.04	0.12	0.028	0.06	11.0	21.8	0.45	398	0.84	<0.01
DD015770		1.57	33.9	3.46	3.10	0.05	0.05	0.96	0.033	0.07	8.2	13.4	0.97	785	0.62	<0.01
DD015771		1.27	36.9	3.35	4.31	0.06	0.05	0.46	0.029	0.08	8.2	20.8	0.75	663	0.49	<0.01
DD015772		1.12	38.3	3.55	4.41	0.05	0.05	0.29	0.033	0.08	7.1	20.7	0.75	780	0.63	<0.01
DD015773		1.05	30.0	4.06	5.17	0.06	0.05	0.37	0.043	0.07	11.4	19.2	0.74	715	0.62	0.01
DD015774		0.89	16.5	3.82	5.12	<0.05	0.04	0.24	0.034	0.06	7.7	19.3	0.39	491	0.53	0.01
DD015775		1.08	32.9	4.29	5.39	0.05	0.04	0.43	0.035	0.06	9.7	20.8	0.46	959	0.54	0.01
DD015776		0.79	22.3	4.21	5.65	<0.05	0.04	0.53	0.034	0.07	9.6	20.0	0.46	652	0.60	0.01
DD015777		0.88	26.4	3.95	5.27	0.05	0.06	0.34	0.036	0.06	10.4	19.2	0.47	782	0.64	0.01
DD015778		0.77	30.5	3.37	4.12	<0.05	0.04	0.42	0.034	0.06	7.4	15.7	0.39	977	0.51	0.01
DD015779		1.11	35.7	3.63	5.16	0.05	0.06	0.29	0.037	0.13	6.1	20.8	0.76	823	0.51	0.01
DD015780		0.90	30.3	3.49	4.31	<0.05	0.05	0.32	0.031	0.10	6.5	18.4	0.86	1070	0.53	0.01
DD015781		0.88	28.4	3.12	3.92	<0.05	0.04	0.51	0.031	0.07	5.8	16.0	0.54	730	0.44	0.01
DD015782		0.67	22.9	3.45	4.36	0.05	0.07	0.79	0.033	0.06	8.7	17.1	1.54	1040	0.62	0.01
DD015783		0.75	31.6	3.66	4.62	<0.05	0.05	0.53	0.034	0.06	8.9	18.1	0.60	1040	0.58	0.01

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015822		0.60	29.5	520	41.4	7.7	<0.001	0.04	6.13	5.2	0.5	0.6	27.3	<0.01	0.04	5.2
DD015823		0.38	20.9	350	53.6	8.5	<0.001	0.06	10.05	5.3	0.7	0.4	31.7	<0.01	0.02	2.3
DD015824		0.33	30.4	430	33.0	10.3	<0.001	0.05	3.67	5.7	0.5	0.7	81.9	<0.01	0.04	5.2
DD015825		0.96	23.0	440	33.1	8.0	<0.001	0.09	3.46	4.4	0.7	0.6	35.6	<0.01	0.02	3.0
DD015826		1.07	27.9	460	43.4	7.5	<0.001	0.05	6.01	4.6	0.5	0.5	68.1	<0.01	0.02	4.4
DD015827		1.06	28.8	480	39.4	8.0	<0.001	0.05	6.14	5.0	0.4	0.6	49.7	<0.01	0.03	4.8
DD015828		1.09	25.8	490	35.6	7.2	<0.001	0.05	5.31	4.5	0.5	0.5	52.4	<0.01	0.02	3.4
DD015829		1.09	24.3	470	26.9	6.4	<0.001	0.05	3.20	4.8	0.6	0.5	81.1	<0.01	0.02	4.3
DD015830		1.12	25.1	340	33.0	7.5	<0.001	0.05	4.26	4.8	0.6	0.5	37.2	<0.01	0.03	3.5
DD015831		0.83	22.6	390	26.2	5.9	<0.001	0.06	1.54	4.0	0.4	0.4	30.0	<0.01	0.02	2.2
DD015832		0.68	20.5	510	21.0	7.2	<0.001	0.09	1.68	2.8	0.4	0.4	60.4	<0.01	0.03	1.0
DD015833		0.77	25.1	500	43.2	6.0	<0.001	0.05	6.17	4.7	0.6	0.5	100.0	<0.01	0.03	4.2
DD015834		1.09	25.3	520	53.6	5.3	<0.001	0.06	8.34	4.4	0.5	0.4	40.3	<0.01	0.03	3.7
DD015835		1.00	25.2	240	67.4	8.8	<0.001	0.06	10.55	4.8	0.5	0.6	20.0	<0.01	0.02	4.3
DD015836		0.71	24.0	560	90.5	6.8	<0.001	0.08	22.1	4.2	0.7	0.5	28.5	<0.01	0.02	2.4
DD015837		1.00	28.4	300	74.6	7.7	<0.001	0.07	15.70	4.7	0.6	0.6	23.6	<0.01	0.03	3.4
DD015760		1.00	19.6	160	32.0	15.4	<0.001	0.06	5.44	2.6	0.3	0.7	11.0	<0.01	0.04	4.1
DD015761		0.85	28.8	140	19.1	10.9	<0.001	0.05	1.25	3.4	0.3	0.6	17.2	<0.01	0.03	5.2
DD015762		0.50	22.5	290	36.1	6.1	<0.001	0.07	3.83	3.6	0.6	0.4	31.9	<0.01	0.03	3.5
DD015763		0.43	12.5	250	34.1	6.7	<0.001	0.07	2.47	2.2	0.2	0.4	24.3	<0.01	0.03	2.3
DD015764		0.30	21.8	480	17.8	12.2	0.001	0.17	0.75	3.3	1.2	0.4	45.7	<0.01	0.03	2.1
DD015765		0.92	28.0	420	30.7	8.3	<0.001	0.07	2.92	4.7	0.4	0.6	25.3	<0.01	0.04	3.5
DD015766		1.08	26.3	390	34.2	7.0	<0.001	0.06	6.55	5.0	0.7	0.5	22.0	<0.01	0.03	4.6
DD015767		0.56	21.0	370	41.8	11.1	<0.001	0.08	8.48	4.6	0.6	0.5	19.7	<0.01	0.02	2.7
DD015768		0.69	25.1	380	86.2	20.7	<0.001	0.07	18.20	4.9	0.7	0.7	11.4	<0.01	0.04	4.4
DD015769		0.92	23.5	150	21.2	11.1	<0.001	0.05	3.02	3.3	0.3	0.5	14.5	<0.01	0.02	4.9
DD015770		0.68	21.1	370	75.9	8.3	<0.001	0.06	19.70	5.5	0.8	0.4	28.1	<0.01	0.04	3.5
DD015771		0.96	29.2	520	36.8	8.5	<0.001	0.06	4.87	4.9	0.7	0.5	33.1	<0.01	0.03	3.0
DD015772		1.00	26.3	450	25.9	7.3	<0.001	0.05	1.69	5.0	0.5	0.5	34.4	<0.01	0.04	4.2
DD015773		1.30	24.3	230	35.1	10.8	<0.001	<0.01	3.40	6.0	0.8	0.6	18.0	<0.01	0.03	4.6
DD015774		1.14	19.8	120	38.4	10.8	<0.001	<0.01	3.46	3.5	<0.2	0.6	9.2	<0.01	0.02	4.1
DD015775		1.20	24.6	190	40.0	9.0	<0.001	<0.01	4.06	5.5	0.9	0.6	10.9	<0.01	0.02	4.5
DD015776		1.27	23.0	150	49.6	9.9	<0.001	<0.01	5.37	5.1	0.2	0.6	13.3	<0.01	0.02	4.4
DD015777		1.52	22.4	150	39.7	8.6	<0.001	<0.01	3.55	5.0	0.4	0.6	15.3	<0.01	0.01	4.3
DD015778		1.04	20.4	500	44.0	7.3	<0.001	0.04	4.33	3.2	0.3	0.4	37.7	<0.01	0.02	1.1
DD015779		0.83	24.2	410	30.9	10.5	<0.001	0.01	1.45	4.8	0.6	0.7	63.9	<0.01	0.02	3.0
DD015780		0.94	23.0	360	38.1	8.0	<0.001	0.01	2.49	4.4	0.2	0.6	32.1	<0.01	0.02	2.9
DD015781		1.05	18.5	470	41.8	8.7	<0.001	0.06	6.31	3.4	0.5	0.4	39.7	<0.01	0.04	1.4
DD015782		1.26	22.7	290	79.1	7.3	<0.001	0.01	8.19	4.8	1.0	0.5	29.2	<0.01	0.02	3.5
DD015783		1.45	21.7	230	49.2	6.8	<0.001	0.01	4.54	4.5	<0.2	0.5	16.8	<0.01	0.03	3.0

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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015822		0.021	0.28	0.60	24	0.09	7.70	158	2.8
DD015823		0.005	0.25	0.63	19	0.07	11.85	124	0.9
DD015824		0.013	0.24	0.64	25	0.08	7.54	126	3.2
DD015825		0.013	0.23	1.06	21	0.08	6.69	136	1.8
DD015826		0.022	0.31	0.64	23	0.09	6.86	172	1.9
DD015827		0.023	0.23	0.58	24	0.09	7.33	154	2.2
DD015828		0.022	0.18	0.59	23	0.08	7.10	153	1.5
DD015829		0.028	0.15	0.58	22	0.08	6.61	124	2.3
DD015830		0.018	0.13	0.59	24	0.09	7.58	128	1.6
DD015831		0.013	0.08	0.83	20	0.08	6.67	95	1.2
DD015832		0.010	0.10	1.76	19	0.07	6.16	90	0.9
DD015833		0.022	0.29	0.56	20	0.07	6.43	178	2.8
DD015834		0.023	0.29	0.59	21	0.07	7.29	243	2.0
DD015835		0.016	0.18	0.56	27	0.11	8.86	237	1.7
DD015836		0.013	0.39	0.81	22	0.10	8.87	996	1.3
DD015837		0.016	0.67	0.68	25	0.10	9.20	273	1.6
DD015760		0.018	0.19	0.55	43	0.18	3.34	127	1.6
DD015761		0.020	0.13	0.76	41	0.18	3.15	84	2.5
DD015762		0.008	0.15	0.53	16	0.07	6.94	110	1.4
DD015763		0.007	0.10	0.42	18	0.06	3.05	59	0.7
DD015764		0.005	0.25	0.70	22	0.05	6.43	110	1.5
DD015765		0.017	0.12	0.69	25	0.09	6.92	117	1.6
DD015766		0.023	0.14	0.58	24	0.10	7.58	133	2.3
DD015767		0.009	0.21	1.20	30	0.10	9.21	140	1.0
DD015768		<0.005	0.44	1.11	34	0.10	8.58	544	1.8
DD015769		0.020	0.13	0.61	36	0.16	3.26	89	1.8
DD015770		0.008	0.27	0.81	20	0.09	11.60	193	1.5
DD015771		0.017	0.16	0.75	23	0.08	8.71	155	1.5
DD015772		0.020	0.11	0.52	24	0.08	6.98	105	1.8
DD015773		0.014	0.16	0.72	30	0.10	10.75	103	2.0
DD015774		0.017	0.12	0.54	30	0.10	3.27	111	1.8
DD015775		0.022	0.14	0.75	31	0.09	7.01	118	1.5
DD015776		0.016	0.16	0.76	35	0.12	5.81	167	1.5
DD015777		0.020	0.11	0.73	34	0.15	7.47	112	2.3
DD015778		0.013	0.12	1.21	24	0.09	8.11	135	1.1
DD015779		0.009	0.19	0.79	25	0.12	7.21	123	1.7
DD015780		0.012	0.17	0.64	24	0.09	6.90	131	1.5
DD015781		0.013	0.18	0.87	20	0.08	6.12	246	1.2
DD015782		0.015	0.31	0.72	25	0.14	9.65	188	1.9
DD015783		0.020	0.13	0.65	28	0.11	7.35	187	1.6



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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015784		0.20	0.002	0.75	1.36	101.0	<0.2	<10	120	0.83	0.26	2.97	1.93	17.00	11.1	24
DD015785		0.13	0.002	0.63	1.22	75.6	<0.2	<10	310	0.76	0.21	1.99	1.92	17.60	10.5	19
DD015786		0.26	0.002	1.11	1.36	112.0	<0.2	<10	190	0.95	0.24	1.72	3.18	17.00	11.2	22
DD015787		0.21	0.002	0.76	1.30	127.0	<0.2	<10	180	0.94	0.26	2.76	1.50	16.65	12.7	22
DD015788		0.23	0.003	0.33	1.66	104.5	<0.2	<10	430	1.13	0.28	0.38	1.07	24.5	12.0	29
DD015951		0.28	0.007	0.06	0.91	22.4	<0.2	<10	230	0.78	0.31	0.27	0.07	13.10	13.8	17
DD015952		0.33	0.001	0.05	1.15	16.9	<0.2	<10	220	0.75	0.25	0.18	0.17	18.70	11.6	21
DD015953		0.33	0.002	0.07	1.37	30.8	<0.2	<10	160	1.08	0.32	0.13	0.08	17.85	11.5	22
DD015954		0.23	0.002	0.10	1.65	41.7	<0.2	<10	160	0.95	0.28	0.07	0.22	17.95	13.1	26
DD015955		0.24	0.002	0.05	1.17	11.7	<0.2	<10	90	0.32	0.19	0.11	0.10	23.2	5.3	19
DD015956		0.35	0.001	0.09	1.66	29.0	<0.2	<10	170	0.98	0.27	0.07	0.21	21.9	11.9	25
DD015957		0.26	0.001	0.04	1.16	25.6	<0.2	<10	100	0.41	0.22	0.05	0.15	15.60	7.5	19
DD015851		0.13	0.002	0.11	1.15	20.4	<0.2	<10	320	0.90	0.24	1.62	0.29	14.90	11.2	20
DD015852		0.22	0.001	0.15	1.29	23.0	<0.2	<10	220	0.99	0.28	0.98	0.13	19.30	13.4	23
DD015853		0.30	0.001	0.05	1.43	20.3	<0.2	<10	260	0.83	0.26	0.41	0.09	18.95	13.9	25
DD015854		0.29	0.001	0.14	1.21	27.2	<0.2	<10	200	0.93	0.27	0.70	0.21	21.0	14.8	23
DD015855		0.27	0.003	0.16	1.25	23.9	<0.2	<10	490	0.82	0.24	1.98	0.19	17.80	13.0	23
DD015856		0.13	<0.001	0.05	1.22	11.8	<0.2	<10	230	0.41	0.22	0.84	0.26	16.30	7.5	20
DD015857		0.24	0.001	0.12	1.62	33.1	<0.2	<10	190	0.82	0.24	0.36	0.20	17.90	11.1	27
DD015858		0.30	0.001	0.08	1.36	21.2	<0.2	<10	200	1.06	0.29	0.90	0.14	16.85	14.0	25
DD015859		0.27	0.004	0.09	1.37	23.4	<0.2	<10	230	1.00	0.28	0.88	0.20	16.60	13.0	25
DD015860		0.10	0.002	0.13	1.20	19.0	<0.2	<10	260	0.84	0.23	2.17	0.29	12.80	11.1	19
DD015838		0.20	0.003	1.28	1.81	112.5	<0.2	<10	170	1.17	0.30	1.93	2.98	19.60	15.8	30
DD015839		0.30	0.002	0.53	1.24	47.5	<0.2	<10	110	0.80	0.27	2.27	1.34	21.5	15.1	23
DD015840		0.21	0.002	0.78	1.50	71.3	<0.2	<10	140	0.98	0.27	2.96	1.45	18.65	14.0	26
DD015841		0.18	0.001	1.28	1.70	177.0	<0.2	<10	180	1.14	0.23	3.84	2.41	25.3	11.7	24
DD015842		0.13	0.002	1.74	0.50	434	<0.2	<10	140	0.66	0.11	15.70	6.61	17.60	6.2	8
DD015843		0.23	0.003	1.50	1.09	311	<0.2	<10	150	0.74	0.11	13.60	8.29	13.55	5.8	13
DD015844		0.20	0.004	1.34	1.10	184	<0.2	<10	120	0.61	0.10	13.95	3.04	14.15	6.2	14
DD015845		0.27	0.003	1.63	2.18	74.4	<0.2	<10	170	1.03	0.29	1.67	3.13	39.3	13.2	34
DD015846		0.16	0.001	0.35	2.14	340	<0.2	<10	180	0.94	0.32	0.97	11.85	37.1	13.3	31
DD015847		0.19	0.003	1.05	1.59	145.0	<0.2	<10	200	0.81	0.23	4.59	2.45	21.4	10.5	24
DD015848		0.20	0.002	0.20	1.13	30.9	<0.2	<10	170	0.75	0.26	1.71	0.41	17.35	15.4	21
DD015849		0.35	0.003	0.26	1.54	30.6	<0.2	<10	220	0.93	0.28	0.47	0.22	23.8	16.8	28
DD015850		0.20	0.001	0.06	1.59	23.2	<0.2	<10	280	0.71	0.26	0.45	0.11	22.5	13.9	27
DD015861		0.33	0.001	0.09	1.29	24.5	<0.2	<10	210	0.88	0.29	1.58	0.19	17.85	15.1	23
DD015862		0.21	0.002	0.13	1.31	19.5	<0.2	<10	280	0.76	0.27	1.57	0.25	14.55	11.0	23
DD015863		0.21	0.002	0.08	1.29	20.3	<0.2	<10	280	0.92	0.29	1.79	0.22	14.85	13.2	23
DD015864		0.22	0.001	0.10	1.26	25.9	<0.2	<10	160	0.80	0.28	1.44	0.22	15.80	13.2	23
DD015865		0.17	0.002	0.11	0.95	263	<0.2	<10	170	0.70	0.23	1.55	0.38	12.40	10.9	17



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015784		1.49	22.7	3.60	4.41	0.05	0.05	1.26	0.033	0.07	8.1	16.3	1.80	1100	0.52	0.01
DD015785		1.12	21.4	2.84	3.75	<0.05	0.04	0.94	0.028	0.06	8.2	12.6	0.52	1260	0.58	0.01
DD015786		2.58	25.8	3.24	4.42	0.05	0.04	1.35	0.031	0.07	8.3	15.5	0.48	1260	0.50	0.01
DD015787		1.62	30.0	3.58	4.51	0.05	0.04	1.33	0.033	0.08	7.3	16.3	1.57	1150	0.59	0.01
DD015788		5.33	10.5	4.01	5.47	0.05	0.06	1.89	0.040	0.09	10.1	16.5	0.44	1270	0.62	0.01
DD015951		2.19	29.8	3.66	3.54	<0.05	0.04	0.22	0.037	0.09	5.8	10.8	0.27	520	0.63	0.01
DD015952		1.11	19.0	3.72	4.06	<0.05	0.03	0.18	0.036	0.07	8.3	18.2	0.33	393	0.59	<0.01
DD015953		1.04	33.2	4.15	4.12	<0.05	0.03	0.38	0.037	0.06	8.4	14.0	0.30	427	0.60	<0.01
DD015954		1.29	25.3	4.46	4.88	<0.05	0.05	0.35	0.043	0.06	7.3	24.4	0.34	467	0.74	0.01
DD015955		0.82	6.7	2.84	5.01	<0.05	0.02	0.04	0.024	0.05	11.1	19.8	0.30	175	0.68	0.01
DD015956		0.99	26.6	3.92	5.17	<0.05	0.03	0.28	0.035	0.06	9.2	22.3	0.34	511	0.69	0.01
DD015957		0.84	11.6	3.35	4.81	<0.05	0.04	0.06	0.023	0.05	7.2	16.1	0.22	305	0.67	0.01
DD015851		0.84	42.1	3.38	3.99	0.05	0.03	0.30	0.031	0.08	9.2	15.1	0.36	641	0.48	0.01
DD015852		0.87	34.8	3.99	4.45	0.06	0.06	0.21	0.038	0.07	9.0	19.0	0.51	639	0.50	0.01
DD015853		0.68	32.2	4.01	4.67	<0.05	0.04	0.19	0.035	0.06	8.8	18.2	0.38	810	0.58	0.01
DD015854		0.83	38.6	3.97	4.32	0.06	0.06	0.30	0.033	0.06	10.4	18.9	0.58	881	0.59	0.01
DD015855		0.66	36.0	3.52	4.14	<0.05	0.06	0.34	0.033	0.07	8.4	17.7	1.05	889	0.57	0.01
DD015856		0.65	9.5	2.94	4.95	<0.05	0.02	0.05	0.021	0.04	7.8	19.3	0.35	343	0.72	0.01
DD015857		0.89	14.9	3.83	5.26	<0.05	0.05	0.29	0.034	0.06	7.8	27.1	0.41	671	0.74	0.01
DD015858		1.13	36.6	3.85	4.86	0.05	0.06	0.23	0.034	0.11	7.1	20.6	0.56	871	0.58	0.01
DD015859		1.15	37.0	3.73	4.63	<0.05	0.05	0.24	0.033	0.10	7.4	20.2	0.50	720	0.50	0.01
DD015860		0.81	26.7	2.92	4.08	<0.05	0.03	0.26	0.029	0.08	5.2	16.0	0.42	655	0.43	0.01
DD015838		0.80	23.4	4.43	6.31	0.06	0.07	2.74	0.038	0.07	9.2	22.1	1.32	1900	0.50	0.01
DD015839		0.81	35.2	3.70	4.40	0.05	0.06	1.42	0.032	0.06	8.4	18.8	1.28	1260	0.51	0.01
DD015840		0.93	26.1	3.73	5.26	<0.05	0.06	1.88	0.034	0.07	8.5	20.6	1.80	1150	0.56	0.01
DD015841		2.45	16.1	3.53	4.72	0.05	0.06	1.44	0.029	0.07	10.2	17.4	2.42	2250	0.76	0.02
DD015842		1.05	9.7	1.94	1.30	0.05	0.05	4.61	0.011	0.04	10.9	2.4	9.46	3850	0.39	0.03
DD015843		0.53	7.2	2.70	2.71	<0.05	0.06	18.95	0.016	0.02	8.2	6.1	8.18	5020	0.41	0.03
DD015844		0.59	6.4	1.70	2.80	<0.05	0.06	3.09	0.013	0.03	7.8	6.1	8.71	3090	0.34	0.03
DD015845		1.05	15.2	3.63	6.35	0.07	0.10	2.52	0.034	0.06	17.7	26.1	1.43	942	1.18	0.02
DD015846		1.51	10.3	5.20	5.99	0.05	0.06	1.71	0.037	0.08	10.1	18.9	0.60	4640	0.77	0.01
DD015847		0.77	19.1	3.27	4.51	0.05	0.05	2.08	0.031	0.06	10.1	16.2	2.67	1620	0.68	0.02
DD015848		1.80	33.3	3.89	3.37	0.05	0.05	0.45	0.030	0.07	7.4	17.3	0.81	1010	0.59	0.01
DD015849		1.03	31.7	4.47	4.64	0.06	0.07	0.46	0.034	0.06	10.8	24.3	0.53	1020	0.71	0.01
DD015850		0.75	17.2	4.08	4.93	<0.05	0.04	0.12	0.034	0.06	8.9	28.0	0.46	629	0.83	0.01
DD015861		1.40	35.7	3.61	4.34	<0.05	0.05	0.23	0.032	0.09	6.8	19.3	0.94	1080	0.61	0.01
DD015862		0.95	35.6	3.24	4.18	<0.05	0.04	0.25	0.030	0.08	6.5	17.3	0.47	744	0.47	0.01
DD015863		0.93	33.0	3.32	3.99	<0.05	0.04	0.19	0.027	0.10	5.5	17.0	0.64	955	0.56	0.02
DD015864		1.04	28.3	3.36	4.08	0.05	0.07	0.21	0.026	0.10	6.1	19.9	0.63	1020	0.43	0.02
DD015865		4.48	26.0	3.00	3.18	<0.05	0.05	0.35	0.028	0.10	5.1	13.9	0.53	650	0.89	0.02

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





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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD015784		1.01	19.8	390	122.5	9.2	0.001	0.02	18.75	4.3	0.9	0.5	24.3	<0.01	0.02	2.5
DD015785		0.78	16.0	700	81.1	7.5	<0.001	0.06	12.30	2.2	0.7	0.4	36.9	<0.01	0.01	0.8
DD015786		0.84	20.0	610	120.0	10.5	<0.001	0.05	18.70	3.1	0.9	0.5	30.3	<0.01	0.02	1.1
DD015787		1.06	20.6	430	121.0	10.0	0.001	0.02	16.20	4.3	0.7	0.5	28.2	<0.01	0.03	2.3
DD015788		1.06	20.1	130	150.5	14.2	<0.001	<0.01	15.60	5.4	0.4	0.7	10.8	<0.01	0.03	4.7
DD015951		0.86	20.5	180	34.1	10.5	<0.001	<0.01	4.03	4.1	0.2	0.5	19.2	<0.01	0.02	3.7
DD015952		1.08	20.9	180	24.7	10.6	0.001	<0.01	2.28	3.4	0.2	0.5	15.2	<0.01	0.03	3.9
DD015953		1.04	23.7	130	33.9	10.2	<0.001	<0.01	3.85	4.5	<0.2	0.5	13.8	<0.01	0.02	4.4
DD015954		1.14	26.8	170	42.0	12.2	<0.001	<0.01	4.57	3.7	<0.2	0.5	10.8	<0.01	0.01	4.0
DD015955		1.18	11.9	300	20.6	10.4	<0.001	<0.01	1.29	1.7	<0.2	0.6	11.2	<0.01	0.01	3.4
DD015956		1.21	22.5	140	40.6	11.1	<0.001	<0.01	3.76	3.5	<0.2	0.6	8.6	<0.01	0.02	4.5
DD015957		1.48	12.9	140	31.2	10.7	<0.001	<0.01	3.04	2.0	<0.2	0.5	6.7	<0.01	0.03	2.9
DD015851		1.17	22.2	500	28.4	8.1	<0.001	0.04	2.66	4.0	0.8	0.5	55.7	<0.01	0.01	1.3
DD015852		1.38	24.4	330	39.1	6.9	<0.001	0.01	3.07	5.3	0.3	0.5	36.8	<0.01	0.04	3.7
DD015853		1.38	21.0	190	30.7	7.6	<0.001	<0.01	2.01	4.7	0.2	0.5	20.4	<0.01	0.01	4.0
DD015854		1.64	26.4	450	38.6	6.2	<0.001	0.01	4.03	5.2	0.4	0.5	22.7	<0.01	0.02	4.4
DD015855		1.29	23.2	410	36.3	5.9	0.001	0.02	4.00	4.9	0.7	0.5	34.8	<0.01	0.03	3.1
DD015856		1.26	13.8	230	19.9	7.6	<0.001	0.01	1.01	1.9	<0.2	0.5	26.9	<0.01	0.03	1.9
DD015857		1.35	19.7	210	55.5	10.4	<0.001	<0.01	4.64	3.5	<0.2	0.5	17.5	<0.01	0.03	3.5
DD015858		1.18	23.9	500	29.9	9.1	<0.001	0.02	1.02	5.5	0.2	0.7	31.3	<0.01	0.02	3.9
DD015859		1.12	23.5	410	25.1	9.0	<0.001	0.02	1.16	4.8	0.7	0.6	30.2	<0.01	0.02	3.3
DD015860		0.99	16.5	580	23.4	9.1	<0.001	0.07	1.40	2.7	0.6	0.5	88.4	<0.01	0.02	0.9
DD015838		1.05	27.7	300	216	9.1	<0.001	<0.01	32.1	6.2	0.9	0.7	24.5	<0.01	0.02	4.4
DD015839		1.45	23.8	440	82.9	6.5	0.001	<0.01	10.60	4.6	0.2	0.5	38.7	<0.01	0.04	4.0
DD015840		1.26	26.1	610	113.5	7.9	<0.001	0.01	19.55	4.3	0.5	0.6	35.1	<0.01	0.03	3.4
DD015841		0.95	24.0	290	166.5	9.9	<0.001	0.03	19.60	5.2	0.4	0.6	26.2	<0.01	0.04	3.6
DD015842		0.06	13.9	820	345	5.1	<0.001	0.06	132.0	3.6	1.0	0.3	83.8	<0.01	0.05	0.9
DD015843		0.25	15.1	1010	583	2.7	<0.001	0.05	348	3.3	1.2	0.3	80.8	<0.01	0.03	0.7
DD015844		0.27	12.3	1020	134.5	4.0	<0.001	0.05	76.5	2.2	0.9	0.3	57.7	<0.01	0.04	0.8
DD015845		1.00	28.8	260	160.0	10.0	<0.001	0.02	53.0	6.4	0.8	0.7	15.7	<0.01	0.03	5.2
DD015846		0.92	22.9	370	620	14.9	<0.001	0.03	124.5	4.7	0.5	0.7	18.6	<0.01	0.07	4.2
DD015847		0.75	21.7	540	181.0	7.4	<0.001	0.04	57.6	4.0	1.1	0.6	31.2	<0.01	0.02	2.0
DD015848		0.91	27.0	500	40.6	5.9	<0.001	0.04	6.05	4.5	0.3	0.4	35.0	<0.01	0.02	2.8
DD015849		0.97	33.3	310	39.9	6.5	<0.001	0.02	4.40	6.0	0.8	0.5	18.8	<0.01	0.02	5.3
DD015850		1.10	26.2	200	26.5	8.2	<0.001	0.01	2.24	3.9	1.0	0.5	22.1	<0.01	0.03	4.4
DD015861		1.11	24.9	350	25.3	8.4	<0.001	0.03	1.34	4.7	1.0	0.6	30.3	<0.01	0.04	3.4
DD015862		0.97	22.9	510	21.7	8.2	<0.001	0.05	1.71	3.9	0.5	0.6	47.2	<0.01	<0.01	1.7
DD015863		0.88	23.9	380	21.7	7.8	<0.001	0.05	1.11	3.5	0.6	0.6	50.5	<0.01	0.03	1.8
DD015864		1.18	23.3	540	23.4	10.4	<0.001	0.07	1.72	3.9	0.5	0.5	42.0	<0.01	<0.01	2.6
DD015865		0.49	21.6	540	19.9	14.5	0.001	0.11	0.93	3.6	1.1	0.5	49.1	<0.01	<0.01	2.2

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



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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015784		0.013	0.50	0.87	26	0.13	8.76	947	1.3
DD015785		0.012	0.19	1.61	26	0.10	7.37	468	0.9
DD015786		0.012	0.37	1.43	27	0.11	9.39	736	1.1
DD015787		0.013	0.29	0.89	25	0.13	7.24	456	1.4
DD015788		0.017	0.41	0.74	35	0.25	4.90	508	2.1
DD015951		0.011	0.15	0.50	20	0.06	4.15	78	1.3
DD015952		0.016	0.11	0.44	26	0.10	3.51	114	1.2
DD015953		0.011	0.13	0.57	26	0.07	4.43	121	1.4
DD015954		0.011	0.16	0.47	29	0.09	2.69	154	1.8
DD015955		0.018	0.10	0.40	32	0.15	2.56	49	0.8
DD015956		0.014	0.15	0.55	31	0.11	2.96	118	1.6
DD015957		0.016	0.11	0.31	32	0.12	1.65	93	1.3
DD015851		0.011	0.09	0.77	21	0.07	10.00	95	1.1
DD015852		0.016	0.10	0.49	25	0.09	8.82	106	1.8
DD015853		0.015	0.11	0.59	28	0.08	5.63	112	1.7
DD015854		0.024	0.11	0.65	25	0.08	8.46	127	2.5
DD015855		0.015	0.10	0.77	24	0.09	8.20	104	1.9
DD015856		0.019	0.07	0.40	33	0.13	2.23	67	0.7
DD015857		0.016	0.17	0.51	35	0.13	3.00	142	1.5
DD015858		0.014	0.10	0.63	26	0.11	7.66	106	2.3
DD015859		0.014	0.10	0.76	25	0.11	7.56	112	1.6
DD015860		0.011	0.07	1.23	22	0.09	5.11	91	1.0
DD015838		0.013	0.71	0.75	33	0.14	12.95	627	2.3
DD015839		0.024	0.31	0.61	24	0.11	8.15	330	2.0
DD015840		0.017	0.78	0.82	27	0.20	8.16	449	1.8
DD015841		0.013	0.73	0.74	35	0.16	13.40	572	2.0
DD015842		<0.005	5.61	1.29	18	0.19	18.30	1100	1.4
DD015843		0.009	4.18	1.59	27	0.19	20.6	2120	1.4
DD015844		0.010	7.96	1.36	28	0.15	15.05	609	1.4
DD015845		0.024	0.75	0.63	54	0.24	11.40	763	2.8
DD015846		0.016	2.34	0.95	51	0.19	6.97	3570	1.6
DD015847		0.015	0.72	1.04	34	0.16	10.40	872	1.3
DD015848		0.015	0.17	0.65	22	0.08	7.70	166	1.4
DD015849		0.016	0.23	0.58	29	0.12	10.45	129	2.4
DD015850		0.017	0.09	0.60	30	0.10	3.73	103	1.7
DD015861		0.016	0.12	0.68	24	0.11	6.83	108	1.5
DD015862		0.013	0.09	1.00	24	0.09	7.32	100	1.2
DD015863		0.012	0.10	0.96	24	0.10	6.03	96	1.1
DD015864		0.017	0.14	0.75	23	0.09	6.19	115	1.6
DD015865		0.007	0.23	0.76	24	0.08	7.18	126	1.5



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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015866		0.19	0.002	0.06	1.68	30.4	<0.2	<10	230	1.19	0.31	0.60	0.08	24.5	15.6	28
DD015867		0.22	0.002	0.25	1.63	31.8	<0.2	<10	320	0.98	0.24	1.23	0.26	22.5	11.5	25
DD015868		0.16	0.001	0.35	0.94	65.6	<0.2	<10	130	0.89	0.26	3.42	0.42	12.65	10.6	14
DD015869		0.28	0.002	0.08	2.04	48.6	<0.2	<10	160	0.80	0.26	0.10	0.37	23.4	14.5	30
DD015870		0.29	0.002	0.04	2.00	18.0	<0.2	<10	150	0.90	0.29	0.05	0.09	24.2	14.3	32
DD015871		0.18	0.002	0.04	1.60	20.9	<0.2	<10	90	0.71	0.27	0.04	0.10	20.1	12.5	28
DD015872		0.25	0.002	0.11	1.77	37.3	<0.2	<10	230	1.10	0.34	0.19	0.24	26.2	18.1	32
DD015873		0.16	0.002	0.09	1.36	18.7	<0.2	<10	230	0.89	0.29	1.37	0.20	16.00	12.5	24
DD015874		0.16	0.003	0.12	1.07	76.2	<0.2	<10	170	0.81	0.25	1.21	0.40	14.10	9.7	19
DD015875		0.22	0.002	0.18	1.23	54.7	<0.2	<10	190	0.75	0.26	2.64	0.40	15.95	12.2	22
DD015876		0.23	0.002	0.16	1.48	25.7	<0.2	<10	170	0.85	0.30	0.53	0.22	17.85	12.5	27
DD015877		0.27	0.002	0.10	1.43	22.5	<0.2	<10	150	0.82	0.29	1.69	0.14	20.7	15.4	26
DD015878		0.24	0.002	0.11	1.48	17.3	<0.2	<10	210	0.97	0.30	0.71	0.17	17.00	12.0	27
DD015879		0.21	0.001	0.06	1.30	17.4	<0.2	<10	110	0.80	0.28	1.85	0.10	19.00	14.2	23
DD015880		0.22	0.002	0.05	1.50	24.8	<0.2	<10	530	0.90	0.28	0.66	0.07	18.50	14.1	26
DD015881		0.30	0.002	0.07	1.38	19.8	<0.2	<10	140	0.83	0.29	1.07	0.12	18.65	14.0	25
DD015882		0.14	0.001	0.10	1.41	25.0	<0.2	<10	260	1.03	0.29	0.74	0.19	20.6	14.1	25
DD015883		0.34	0.002	0.15	1.36	24.7	<0.2	<10	210	0.84	0.29	2.08	0.22	18.45	14.0	24
DD015884		0.31	0.001	0.07	1.54	26.3	<0.2	<10	240	1.08	0.33	0.77	0.09	15.95	14.3	27
DD015885		0.25	0.002	0.18	1.47	25.4	<0.2	<10	240	0.77	0.27	1.15	0.22	16.50	12.1	25
DD015886		0.24	0.001	0.06	1.55	41.5	<0.2	<10	270	1.09	0.37	0.57	0.14	18.20	18.8	28
DD015887		<0.02	0.001	0.13	1.17	25.4	<0.2	<10	180	0.71	0.25	1.20	0.20	13.20	10.7	20



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**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015866		0.90	29.9	4.08	4.88	0.05	0.07	0.30	0.037	0.09	9.2	20.4	0.53	924	0.79	0.01
DD015867		0.85	20.8	3.40	4.57	0.05	0.04	0.40	0.029	0.06	11.0	16.5	0.46	1160	0.70	0.01
DD015868		2.28	29.8	3.40	2.36	<0.05	0.06	0.77	0.032	0.07	6.2	12.1	1.82	759	0.60	0.01
DD015869		2.00	11.1	3.67	5.59	<0.05	0.08	0.33	0.036	0.06	9.2	26.5	0.43	682	0.74	0.01
DD015870		1.01	28.7	4.07	5.44	<0.05	0.09	0.11	0.040	0.05	9.1	25.1	0.35	380	0.80	0.01
DD015871		1.24	15.9	4.12	5.55	<0.05	0.06	0.05	0.031	0.05	8.0	31.8	0.30	395	0.72	0.01
DD015872		1.46	33.7	4.82	5.20	0.06	0.05	0.24	0.042	0.07	10.9	26.4	0.42	1540	0.76	0.01
DD015873		1.05	31.6	3.47	4.49	<0.05	0.04	0.27	0.031	0.08	6.5	20.8	0.38	764	0.52	0.01
DD015874		3.28	29.6	2.44	3.17	<0.05	0.05	0.37	0.028	0.11	5.6	14.8	0.39	105	0.62	0.02
DD015875		1.59	27.8	3.54	3.69	0.05	0.05	0.67	0.030	0.09	7.1	13.2	1.45	996	0.62	0.02
DD015876		0.89	31.6	4.09	4.95	0.05	0.05	0.45	0.034	0.08	7.8	21.1	0.47	640	0.49	0.02
DD015877		1.11	35.5	3.85	4.94	0.05	0.06	0.27	0.032	0.09	7.5	21.3	0.76	859	0.49	0.02
DD015878		0.95	35.7	3.66	4.90	0.05	0.05	0.23	0.034	0.11	7.4	22.8	0.57	736	0.46	0.01
DD015879		1.16	37.3	3.53	4.55	0.07	0.06	0.19	0.030	0.09	7.6	19.3	0.68	781	0.51	0.01
DD015880		1.14	37.7	4.27	4.87	0.05	0.06	0.18	0.038	0.09	8.0	18.1	0.51	1100	0.68	0.01
DD015881		1.44	36.7	3.80	4.49	<0.05	0.06	0.23	0.030	0.09	7.3	19.0	0.64	898	0.48	0.01
DD015882		1.07	33.2	3.72	4.91	<0.05	0.05	0.25	0.036	0.08	8.3	21.6	0.44	784	0.57	0.01
DD015883		1.13	36.1	3.54	4.40	<0.05	0.06	0.29	0.030	0.09	7.3	19.3	0.91	1020	0.53	0.01
DD015884		1.05	33.9	3.98	4.86	<0.05	0.06	0.27	0.032	0.11	6.9	20.3	0.48	914	0.56	0.01
DD015885		0.70	28.9	3.60	4.40	<0.05	0.04	0.22	0.029	0.10	7.7	22.1	0.54	729	0.64	0.02
DD015886		1.23	34.2	4.20	4.97	0.05	0.06	0.36	0.037	0.12	6.7	20.7	0.50	1340	0.64	0.01
DD015887		0.87	30.4	3.14	4.04	0.05	0.05	0.25	0.031	0.08	6.1	16.5	0.35	624	0.51	0.01

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD015866		0.92	28.9	220	25.7	10.0	<0.001	0.01	1.44	6.0	0.3	0.7	18.6	<0.01	0.02	4.7
DD015867		0.75	23.3	630	26.9	7.5	<0.001	0.04	4.42	4.0	1.0	0.5	31.2	<0.01	0.01	2.1
DD015868		0.21	21.3	420	46.3	7.3	<0.001	0.04	11.35	5.2	0.7	0.4	32.2	<0.01	0.03	2.8
DD015869		0.95	27.2	120	59.5	15.7	<0.001	0.01	7.87	3.2	0.8	0.7	8.3	<0.01	0.01	4.7
DD015870		1.17	27.5	120	24.0	13.3	<0.001	0.01	1.39	3.5	0.5	0.6	6.0	<0.01	0.01	5.0
DD015871		1.47	18.8	180	26.5	15.4	<0.001	0.01	1.12	2.5	0.4	0.6	5.4	<0.01	0.01	3.7
DD015872		1.16	30.0	410	36.9	12.2	<0.001	0.01	2.12	6.1	1.0	0.7	12.9	<0.01	0.01	5.3
DD015873		0.99	26.3	360	23.8	10.4	<0.001	0.04	0.96	4.0	0.7	0.6	52.9	<0.01	0.01	2.1
DD015874		0.43	23.8	490	21.4	16.1	0.002	0.13	0.70	3.9	1.1	0.5	40.8	<0.01	<0.01	2.7
DD015875		0.83	22.1	400	48.8	7.8	<0.001	0.04	9.11	4.5	0.3	0.5	29.6	<0.01	0.03	2.5
DD015876		1.33	24.9	300	31.1	8.5	<0.001	0.03	3.26	4.8	0.8	0.6	18.0	<0.01	0.01	3.4
DD015877		1.01	28.1	460	24.0	8.1	<0.001	0.02	2.26	4.9	0.5	0.6	47.8	<0.01	0.02	4.5
DD015878		1.04	25.3	360	21.4	9.3	<0.001	0.03	1.39	4.8	0.9	0.6	29.7	<0.01	<0.01	3.2
DD015879		1.24	25.9	340	19.1	8.0	<0.001	0.02	1.11	4.9	0.6	0.6	49.6	<0.01	0.01	4.2
DD015880		0.95	25.1	210	23.6	8.5	<0.001	0.03	1.27	5.8	0.6	0.6	24.2	<0.01	0.01	4.1
DD015881		1.04	25.7	270	23.2	8.2	<0.001	0.02	1.17	5.1	0.3	0.6	30.5	<0.01	0.04	4.7
DD015882		1.33	25.8	280	25.5	8.3	<0.001	0.02	1.67	4.9	0.5	0.6	27.7	<0.01	0.03	3.2
DD015883		1.05	25.7	420	27.9	7.8	<0.001	0.03	1.78	4.9	0.8	0.6	50.4	<0.01	<0.01	4.2
DD015884		0.95	25.3	260	24.3	8.7	<0.001	0.02	0.80	5.4	0.5	0.7	28.9	<0.01	0.03	3.6
DD015885		0.99	23.6	390	26.8	8.1	<0.001	0.05	1.78	4.1	0.7	0.6	46.6	<0.01	0.01	2.3
DD015886		0.83	28.0	200	28.9	9.7	<0.001	0.02	0.81	5.5	0.4	0.8	24.0	<0.01	0.02	4.5
DD015887		1.04	21.1	380	28.5	8.9	<0.001	0.06	2.33	3.8	0.5	0.5	41.7	<0.01	0.03	1.9



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12128727**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015866		0.010	0.16	0.91	30	0.11	8.85	89	2.2
DD015867		0.013	0.09	1.72	34	0.16	9.45	81	1.2
DD015868		<0.005	0.52	0.64	15	0.05	12.95	170	1.5
DD015869		0.014	0.26	0.44	36	0.15	2.65	200	2.7
DD015870		0.021	0.12	0.53	36	0.09	2.92	81	3.4
DD015871		0.016	0.10	0.39	33	0.10	2.14	94	2.1
DD015872		0.019	0.17	0.84	34	0.10	10.15	139	1.7
DD015873		0.013	0.11	0.86	25	0.11	6.88	83	1.1
DD015874		0.006	0.25	1.00	28	0.07	8.43	119	1.7
DD015875		0.014	0.25	0.61	25	0.10	7.94	164	1.3
DD015876		0.022	0.12	0.60	27	0.11	7.15	139	1.5
DD015877		0.026	0.12	0.46	26	0.11	6.75	114	2.1
DD015878		0.016	0.11	0.64	26	0.09	7.37	98	1.5
DD015879		0.020	0.09	0.54	24	0.08	7.38	88	2.1
DD015880		0.014	0.11	0.65	30	0.12	10.10	94	1.8
DD015881		0.018	0.11	0.54	26	0.08	7.85	102	2.2
DD015882		0.018	0.10	0.64	27	0.10	8.51	99	1.5
DD015883		0.016	0.12	0.56	25	0.10	7.70	111	1.9
DD015884		0.011	0.10	0.54	28	0.12	8.38	91	1.5
DD015885		0.015	0.09	1.00	28	0.11	7.68	103	1.3
DD015886		0.011	0.12	0.61	30	0.15	6.57	93	1.8
DD015887		0.012	0.11	1.09	22	0.10	6.99	111	1.4



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Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12128727**

**CERTIFICATE COMMENTS**

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 19- JUN- 2013  
 Account: MTT**

**CERTIFICATE WH12132945**

Project: Crag East 1  
 P.O. No.:  
 This report is for 3 Rock samples submitted to our lab in Whitehorse, YT, Canada on 13- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12132945**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
1079771		1.38	0.003	0.13	1.57	20.7	<0.2	10	340	1.22	0.29	5.62	0.35	16.70	13.2	23
1079772		1.16	0.001	0.08	1.45	15.5	<0.2	10	220	1.05	0.24	6.63	0.28	16.10	11.2	19
1079773		2.36	0.001	0.11	1.23	27.6	<0.2	10	220	0.86	0.23	5.19	0.38	17.15	11.5	19

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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12132945**

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
1079771		2.05	34.6	3.02	5.27	0.05	0.11	0.48	0.047	0.32	6.9	24.1	1.40	588	1.01	0.03
1079772		1.08	28.0	2.90	5.09	<0.05	0.11	0.38	0.040	0.28	6.7	23.8	1.79	600	0.79	0.03
1079773		7.12	31.8	3.05	4.18	0.05	0.09	0.68	0.042	0.23	7.0	20.0	1.36	744	1.20	0.02

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



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**CERTIFICATE OF ANALYSIS WH12132945**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
1079771		0.10	29.6	630	25.2	18.0	0.002	0.06	0.44	6.9	1.0	0.8	159.0	<0.01	0.03	5.1
1079772		0.07	24.2	400	22.2	15.6	0.001	0.06	0.38	6.3	0.6	0.7	183.5	<0.01	0.02	4.6
1079773		0.17	26.9	470	23.8	17.8	<0.001	0.07	0.66	6.1	0.6	0.6	134.5	<0.01	0.02	4.4

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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12132945**

Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079771		0.006	0.22	1.03	29	0.18	9.18	95	4.6
1079772		0.006	0.19	1.06	26	0.11	8.49	86	4.3
1079773		0.006	0.34	1.03	28	0.09	9.49	115	4.0

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**Finalized Date: 29- JUN- 2012**  
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**CERTIFICATE WH12134653**

Project: Crag East 1  
 P.O. No.:  
 This report is for 192 Soil samples submitted to our lab in Whitehorse, YT, Canada on 15- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

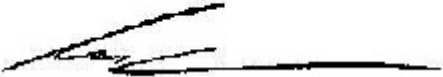
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015501		0.41	0.002	0.03	0.55	17.8	<0.2	<10	910	1.43	0.21	1.09	0.03	3.74	13.8	17
DD015502		0.21	0.001	0.01	0.51	3.8	<0.2	<10	150	1.22	0.29	0.04	0.02	4.33	7.4	30
DD015503		0.20	0.002	0.01	0.63	4.8	<0.2	<10	330	0.99	0.26	0.04	0.04	5.92	12.7	34
DD015504		0.17	0.016	0.08	1.18	4.1	<0.2	<10	200	0.66	0.22	1.51	0.24	14.65	6.9	20
DD015505		0.13	0.004	0.13	1.42	9.3	<0.2	<10	270	0.93	0.25	1.24	0.16	18.20	10.4	24
DD015506		0.20	0.004	0.11	1.54	11.1	<0.2	<10	350	0.79	0.27	1.11	0.22	20.2	11.2	25
DD015507		0.24	0.003	0.10	1.42	17.5	<0.2	<10	200	0.80	0.28	0.79	0.09	19.40	10.3	25
DD015508		0.23	0.001	0.02	0.70	9.4	<0.2	<10	50	0.33	0.40	0.06	0.02	6.16	6.3	26
DD015509		0.21	0.001	0.02	0.74	9.5	<0.2	<10	60	0.17	0.32	0.05	0.02	14.15	4.3	17
DD015510		0.21	<0.001	0.01	0.91	8.3	<0.2	<10	50	0.24	0.36	0.03	0.03	11.75	7.3	22
DD015511		0.16	0.001	0.01	1.42	9.1	<0.2	<10	160	0.78	0.23	0.10	0.04	22.9	8.5	24
DD015512		0.20	0.003	0.05	1.35	18.2	<0.2	<10	200	0.99	0.35	0.52	0.06	17.80	12.0	27
DD015513		0.27	0.004	0.06	1.37	15.2	<0.2	<10	150	0.96	0.33	0.58	0.09	19.85	13.0	26
DD015514		0.29	0.003	0.07	1.36	22.6	<0.2	<10	250	1.15	0.32	0.93	0.09	20.8	13.1	25
DD015515		0.31	0.002	0.06	1.22	26.3	<0.2	<10	150	0.95	0.33	1.08	0.14	19.35	16.0	23
DD015516		0.24	0.002	0.11	1.17	12.1	<0.2	<10	150	0.78	0.28	0.78	0.22	23.7	12.5	25
DD015517		0.35	0.001	0.07	1.31	15.0	<0.2	<10	180	0.81	0.31	0.59	0.14	22.1	13.3	26
DD015518		0.20	0.004	0.08	1.40	3.9	<0.2	<10	220	1.63	0.28	0.77	0.19	15.20	8.8	24
DD015519		0.17	0.004	0.06	1.32	10.3	<0.2	<10	180	0.92	0.38	0.79	0.12	11.40	12.4	31
DD015520		0.22	0.003	0.11	1.25	16.2	<0.2	<10	190	0.83	0.28	0.86	0.17	19.60	10.6	26
DD015521		0.29	0.003	0.08	1.39	13.1	<0.2	<10	240	0.85	0.30	0.65	0.08	19.80	11.1	26
DD015522		0.11	0.001	0.08	1.47	10.2	<0.2	<10	220	0.97	0.26	0.83	0.10	20.7	12.4	26
DD015523		0.20	0.001	0.07	1.27	6.0	<0.2	<10	110	0.32	0.21	0.04	0.03	17.30	4.8	20
DD015524		0.16	0.001	0.09	1.48	7.9	<0.2	<10	120	0.44	0.25	0.05	0.04	14.90	7.6	25
DD015525		0.18	0.001	0.11	1.56	11.6	<0.2	<10	120	0.86	0.28	0.05	0.07	17.35	11.1	28
DD015526		0.19	0.001	0.06	1.42	9.3	<0.2	<10	140	0.54	0.24	0.11	0.04	14.55	7.5	23
DD015527		0.16	0.001	0.08	0.99	7.3	<0.2	<10	140	0.65	0.21	0.13	0.04	17.15	7.1	18
DD015528		0.16	0.002	0.04	0.66	4.0	<0.2	<10	190	0.50	0.20	0.11	0.02	8.09	6.5	14
DD015529		0.24	0.009	0.06	1.20	14.0	<0.2	<10	250	1.15	0.30	0.50	0.06	20.5	13.0	24
DD015530		0.25	0.003	0.06	1.12	11.3	<0.2	<10	430	1.13	0.29	0.25	0.05	13.25	13.3	24
DD015531		0.26	0.002	0.04	0.86	17.6	<0.2	<10	170	1.08	0.28	0.66	0.05	11.95	12.2	19
DD015532		0.25	0.003	0.10	1.19	11.5	<0.2	<10	200	0.80	0.28	0.69	0.09	16.95	9.5	24
DD015533		0.15	0.003	0.13	0.88	8.1	<0.2	<10	340	0.70	0.21	2.46	0.19	12.15	8.3	16
DD015534		0.21	0.002	0.05	1.22	12.2	<0.2	<10	260	0.80	0.23	0.61	0.10	15.55	9.3	22
DD015535		0.22	0.003	0.08	0.90	12.7	<0.2	<10	170	0.90	0.26	0.94	0.14	15.55	12.1	19
DD015536		0.21	0.004	0.08	0.85	12.1	<0.2	<10	170	0.75	0.29	0.96	0.11	14.80	13.4	17
DD015537		0.19	0.001	0.07	1.05	11.3	<0.2	<10	190	0.80	0.29	0.86	0.12	14.45	12.0	19
DD015538		0.26	0.002	0.04	1.23	10.2	<0.2	<10	170	0.75	0.29	0.73	0.09	18.95	12.7	23
DD015539		0.19	0.002	0.05	1.23	10.3	<0.2	<10	190	0.74	0.32	0.67	0.08	19.00	13.4	24
DD015540		0.23	0.003	0.11	1.04	14.1	<0.2	<10	140	0.79	0.31	0.60	0.14	17.65	13.1	21



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**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015501		29.2	20.4	3.85	1.65	<0.05	<0.02	4.32	0.041	0.13	1.8	15.1	0.18	878	0.48	0.01
DD015502		5.31	14.6	5.06	1.49	<0.05	<0.02	0.07	0.050	0.08	1.8	10.3	0.06	259	0.64	0.01
DD015503		3.69	8.6	6.00	1.90	<0.05	<0.02	2.90	0.035	0.07	2.6	10.5	0.07	605	0.60	0.01
DD015504		3.99	24.3	2.15	3.50	<0.05	<0.02	0.15	0.021	0.05	6.5	22.7	0.42	357	0.21	0.01
DD015505		2.31	38.4	3.40	4.03	<0.05	0.05	0.13	0.029	0.07	8.5	21.5	0.42	436	0.47	0.01
DD015506		1.26	19.1	3.53	4.53	<0.05	0.05	0.13	0.029	0.06	9.5	29.9	0.46	554	0.56	0.01
DD015507		1.08	28.2	3.36	4.55	<0.05	0.05	0.18	0.030	0.08	8.8	21.3	0.44	410	0.58	0.01
DD015508		1.64	1.9	3.62	2.72	<0.05	<0.02	0.02	0.021	0.06	2.9	7.1	0.16	145	0.54	0.01
DD015509		1.68	2.8	2.51	3.70	<0.05	<0.02	0.01	0.010	0.07	6.8	5.3	0.14	160	0.44	0.01
DD015510		1.11	4.2	3.59	3.96	<0.05	<0.02	0.01	0.016	0.07	5.4	8.9	0.23	234	0.70	0.01
DD015511		1.58	11.5	3.05	4.78	<0.05	0.03	0.07	0.022	0.05	10.7	24.3	0.40	198	0.65	0.01
DD015512		1.42	25.6	3.89	4.35	<0.05	0.05	0.17	0.032	0.09	8.2	21.4	0.43	640	0.68	0.01
DD015513		1.39	29.7	3.88	4.49	<0.05	0.05	0.58	0.034	0.09	8.9	19.6	0.47	806	0.56	0.01
DD015514		4.42	46.2	3.82	4.56	0.05	0.06	0.21	0.033	0.12	8.7	22.1	0.67	669	0.54	0.02
DD015515		2.18	38.3	3.72	4.07	0.05	0.05	0.16	0.032	0.11	7.9	19.9	0.77	1100	0.49	0.01
DD015516		1.47	25.2	3.25	3.63	0.05	0.04	0.12	0.027	0.09	9.8	18.7	0.44	476	0.46	0.01
DD015517		0.84	24.7	3.24	4.21	0.05	0.08	0.13	0.030	0.07	8.6	23.4	0.46	319	0.39	0.01
DD015518		4.63	33.3	2.38	3.75	<0.05	0.06	0.10	0.027	0.12	7.8	28.6	0.43	230	0.28	0.02
DD015519		3.30	30.1	4.02	3.77	<0.05	0.05	0.08	0.029	0.09	3.9	16.4	0.46	533	0.66	0.01
DD015520		1.68	24.5	3.57	3.93	0.05	0.06	0.19	0.030	0.10	9.1	20.2	0.45	485	0.54	0.01
DD015521		1.15	30.7	3.60	4.31	0.05	0.05	0.17	0.026	0.10	9.6	18.9	0.44	712	0.58	0.01
DD015522		0.83	24.0	3.66	4.46	0.05	0.04	0.10	0.028	0.10	8.6	21.3	0.46	836	0.55	0.02
DD015523		0.99	5.9	2.92	4.59	<0.05	0.02	0.02	0.016	0.05	8.0	18.1	0.22	165	0.59	0.01
DD015524		1.25	10.8	3.54	4.76	<0.05	0.04	0.04	0.021	0.06	6.6	24.0	0.33	236	0.57	0.01
DD015525		1.22	24.6	3.86	4.74	<0.05	0.04	0.13	0.030	0.06	6.6	18.0	0.30	405	0.55	0.01
DD015526		1.27	14.2	3.39	4.30	<0.05	0.05	0.05	0.023	0.07	6.4	21.0	0.26	190	0.55	0.01
DD015527		1.34	14.0	2.49	2.95	<0.05	0.03	0.04	0.024	0.09	7.1	16.6	0.27	238	0.91	0.01
DD015528		2.93	14.8	2.50	2.42	<0.05	0.03	0.02	0.019	0.15	3.4	6.5	0.14	179	0.46	0.01
DD015529		1.41	27.4	3.77	3.97	0.05	0.06	0.19	0.034	0.11	7.8	18.7	0.37	1470	0.95	0.01
DD015530		2.75	25.8	4.08	3.35	<0.05	0.04	0.15	0.032	0.11	5.0	14.7	0.32	921	0.75	<0.01
DD015531		1.55	27.9	3.25	2.92	<0.05	0.05	0.13	0.034	0.09	5.9	10.2	0.25	639	1.00	0.01
DD015532		1.55	28.0	3.43	3.60	<0.05	0.04	0.10	0.028	0.08	8.4	17.2	0.40	407	0.84	0.01
DD015533		1.12	25.9	2.26	2.51	<0.05	<0.02	0.09	0.024	0.07	5.3	11.0	0.34	523	0.66	0.01
DD015534		0.77	21.5	3.37	3.64	<0.05	0.04	0.04	0.027	0.08	7.6	17.5	0.38	588	0.81	0.01
DD015535		1.31	27.9	3.37	2.90	<0.05	0.03	0.08	0.031	0.08	7.0	14.3	0.42	858	0.82	0.01
DD015536		1.82	31.0	3.20	2.98	0.07	0.04	0.08	0.032	0.08	6.5	12.4	0.38	642	0.89	<0.01
DD015537		1.34	29.6	3.31	3.40	0.08	0.05	0.09	0.030	0.08	6.9	15.3	0.35	602	0.66	<0.01
DD015538		1.34	29.8	3.55	4.17	0.09	0.05	0.07	0.030	0.07	9.8	20.5	0.52	687	0.74	<0.01
DD015539		1.13	30.5	3.72	4.34	0.09	0.05	0.08	0.032	0.06	8.5	19.7	0.55	683	0.70	<0.01
DD015540		1.46	28.0	3.40	3.93	0.08	0.06	0.12	0.032	0.07	8.5	18.4	0.50	619	0.94	<0.01

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**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015501		0.20	23.6	90	8.8	35.9	<0.001	0.03	0.28	7.2	<0.2	0.6	25.8	<0.01	0.01	2.0
DD015502		0.58	12.0	90	12.8	10.1	<0.001	<0.01	0.21	4.5	<0.2	1.1	8.6	<0.01	0.04	3.6
DD015503		0.50	11.4	160	9.3	10.8	<0.001	<0.01	0.41	3.5	<0.2	1.0	7.8	<0.01	0.01	2.2
DD015504		0.83	18.6	760	14.6	17.8	<0.001	0.11	0.24	2.9	0.5	0.4	69.4	<0.01	<0.01	1.6
DD015505		0.94	27.2	650	15.3	12.8	<0.001	0.08	0.36	3.5	0.7	0.5	61.1	<0.01	0.03	2.0
DD015506		0.87	25.0	470	17.9	9.9	<0.001	0.06	0.36	3.8	0.7	0.5	44.4	<0.01	0.01	2.2
DD015507		0.94	24.2	390	16.4	8.3	<0.001	0.02	0.41	4.2	0.4	0.6	34.0	<0.01	0.01	3.0
DD015508		0.53	11.1	100	17.6	9.3	<0.001	<0.01	0.31	2.5	<0.2	0.9	8.7	<0.01	0.04	2.9
DD015509		0.69	8.0	100	12.6	16.6	<0.001	<0.01	0.31	1.4	<0.2	0.7	5.2	<0.01	0.02	2.3
DD015510		0.91	14.0	110	19.4	12.3	<0.001	<0.01	0.40	1.9	<0.2	0.7	5.7	<0.01	0.02	3.1
DD015511		0.85	20.2	130	13.2	12.2	<0.001	<0.01	0.36	2.5	<0.2	0.6	8.9	<0.01	<0.01	3.9
DD015512		1.01	26.4	320	22.1	8.6	<0.001	0.02	0.41	4.8	0.4	0.6	28.5	<0.01	0.02	3.8
DD015513		1.05	28.4	480	22.5	9.2	<0.001	0.01	0.36	4.7	0.4	0.6	28.7	<0.01	0.01	4.3
DD015514		1.06	29.7	540	20.9	15.6	<0.001	0.02	0.36	6.2	0.4	0.6	29.9	<0.01	0.03	4.5
DD015515		0.99	29.0	540	22.4	13.5	<0.001	0.02	0.37	5.2	0.3	0.5	32.8	<0.01	0.02	4.3
DD015516		0.97	26.6	650	18.2	11.2	0.001	0.02	0.38	4.8	0.2	0.5	42.0	<0.01	0.04	3.5
DD015517		1.26	26.2	300	32.1	7.4	<0.001	0.03	0.31	4.6	0.4	0.6	30.5	<0.01	0.02	4.5
DD015518		0.78	23.4	460	18.0	20.1	<0.001	0.08	0.23	5.3	0.3	0.6	58.0	<0.01	<0.01	2.8
DD015519		0.85	22.1	350	21.8	9.8	<0.001	0.03	0.29	3.8	<0.2	0.8	40.3	<0.01	0.03	2.6
DD015520		1.01	24.0	620	17.2	10.2	<0.001	0.03	0.36	4.8	0.3	0.6	47.6	<0.01	0.02	3.1
DD015521		0.96	25.3	380	19.6	9.2	<0.001	0.02	0.37	4.8	0.4	0.6	33.0	<0.01	<0.01	3.5
DD015522		0.98	26.3	380	21.4	8.1	<0.001	0.03	0.36	4.0	0.4	0.6	45.7	<0.01	0.01	2.7
DD015523		0.90	11.5	100	14.2	12.3	<0.001	<0.01	0.28	1.6	<0.2	0.7	4.9	<0.01	0.02	2.9
DD015524		0.79	17.4	100	18.7	11.2	<0.001	0.01	0.29	2.1	0.2	0.6	5.7	<0.01	0.02	3.0
DD015525		1.06	22.5	120	21.2	10.7	<0.001	<0.01	0.33	3.1	<0.2	0.7	6.4	<0.01	0.02	3.7
DD015526		0.68	16.7	100	17.3	12.8	<0.001	0.01	0.34	2.1	<0.2	0.6	8.0	<0.01	0.01	3.0
DD015527		0.52	21.3	120	11.9	10.1	<0.001	<0.01	0.31	2.3	<0.2	0.5	12.8	<0.01	0.01	2.6
DD015528		0.52	14.9	140	8.9	15.4	<0.001	0.01	0.20	2.3	<0.2	0.5	12.4	<0.01	<0.01	2.2
DD015529		0.92	28.5	180	24.6	9.3	<0.001	0.02	0.40	5.1	0.9	0.7	28.9	<0.01	0.03	4.0
DD015530		0.74	25.6	110	19.1	10.5	<0.001	0.01	0.30	5.6	<0.2	0.5	14.4	<0.01	<0.01	3.9
DD015531		0.74	23.6	200	17.9	8.8	<0.001	0.02	0.42	5.9	0.6	0.5	17.7	<0.01	0.03	2.7
DD015532		0.79	25.7	260	18.4	8.0	<0.001	0.02	0.41	4.5	0.3	0.5	20.1	<0.01	0.03	2.6
DD015533		0.52	21.1	620	12.7	6.6	<0.001	0.08	0.41	1.8	0.4	0.3	62.3	<0.01	0.02	0.5
DD015534		0.83	22.8	270	16.9	6.7	<0.001	0.02	0.37	4.1	0.4	0.5	24.0	<0.01	0.03	2.3
DD015535		0.84	26.1	370	19.9	6.8	<0.001	0.03	0.39	3.9	0.7	0.4	28.8	<0.01	0.01	2.3
DD015536		1.03	24.1	330	19.4	7.7	<0.001	0.02	0.39	4.5	0.5	0.4	31.4	<0.01	0.03	2.6
DD015537		1.27	21.9	360	18.4	8.0	<0.001	0.03	0.35	4.1	0.6	0.4	28.8	<0.01	0.03	2.4
DD015538		1.56	23.7	310	20.2	8.2	<0.001	0.01	0.35	4.4	0.5	0.4	23.8	<0.01	0.02	3.8
DD015539		1.60	24.5	210	21.4	8.8	<0.001	0.01	0.46	4.4	0.4	0.4	21.8	<0.01	0.02	4.0
DD015540		1.18	24.0	320	21.0	9.6	<0.001	0.01	0.41	4.5	0.5	0.4	21.1	<0.01	0.03	3.6

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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015501		0.005	0.14	0.47	26	0.07	2.66	72	0.5
DD015502		0.014	0.05	0.66	43	0.23	1.72	61	0.5
DD015503		0.013	0.05	0.72	38	0.18	1.52	80	<0.5
DD015504		0.013	0.07	1.99	21	0.07	5.71	91	1.4
DD015505		0.014	0.05	3.23	27	0.13	7.73	61	1.5
DD015506		0.013	0.07	1.68	31	0.17	6.69	79	1.2
DD015507		0.015	0.07	1.13	28	0.15	6.58	72	1.4
DD015508		0.013	0.05	0.49	29	0.30	1.18	41	<0.5
DD015509		0.020	0.06	0.39	35	0.24	1.42	32	<0.5
DD015510		0.023	0.06	0.48	37	0.28	1.60	45	<0.5
DD015511		0.020	0.07	0.57	33	0.16	3.32	52	1.2
DD015512		0.019	0.06	0.94	28	0.17	7.31	64	1.3
DD015513		0.020	0.06	0.83	28	0.16	8.53	73	1.5
DD015514		0.017	0.07	0.73	26	0.13	9.34	82	2.0
DD015515		0.020	0.07	0.57	24	0.14	8.13	80	1.8
DD015516		0.024	0.06	0.90	28	0.21	8.48	79	1.4
DD015517		0.017	0.05	1.04	28	0.21	6.91	80	2.7
DD015518		0.010	0.07	2.06	25	0.16	12.75	88	1.5
DD015519		0.018	0.07	1.92	30	0.32	4.23	69	0.9
DD015520		0.019	0.08	1.52	28	0.18	8.75	74	1.5
DD015521		0.019	0.07	1.57	29	0.15	9.47	68	1.4
DD015522		0.015	0.05	0.60	27	0.16	8.11	68	1.2
DD015523		0.015	0.08	0.32	35	0.14	1.61	41	0.9
DD015524		0.012	0.08	0.37	32	0.11	1.79	51	1.3
DD015525		0.011	0.08	0.48	32	0.12	2.59	56	1.4
DD015526		0.010	0.09	0.34	30	0.10	1.81	55	1.5
DD015527		0.011	0.08	0.35	21	0.08	2.85	52	1.3
DD015528		0.013	0.07	0.28	18	0.07	2.03	31	1.0
DD015529		0.013	0.07	0.47	24	0.10	5.32	59	1.8
DD015530		0.014	0.09	0.49	27	0.10	4.84	66	1.5
DD015531		0.009	0.14	0.46	20	0.08	8.96	64	1.4
DD015532		0.016	0.08	0.51	27	0.12	8.06	70	1.0
DD015533		0.011	0.05	1.31	18	0.08	5.75	50	0.7
DD015534		0.012	0.06	0.54	26	0.08	7.16	67	1.1
DD015535		0.015	0.08	0.58	20	0.08	7.21	74	1.0
DD015536		0.013	0.08	0.59	19	0.08	6.92	71	1.2
DD015537		0.012	0.07	0.62	21	0.10	7.33	73	1.5
DD015538		0.020	0.06	0.62	24	0.11	8.44	70	1.7
DD015539		0.020	0.07	0.60	23	0.10	7.37	73	1.7
DD015540		0.018	0.07	0.61	22	0.11	7.47	72	1.6



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**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015541		0.18	0.003	0.07	1.14	10.5	<0.2	<10	250	0.65	0.27	0.96	0.14	15.90	9.5	21
DD015542		0.35	0.002	0.08	1.02	12.5	<0.2	<10	230	0.90	0.36	0.55	0.10	16.15	15.6	20
DD015543		0.25	0.004	0.10	1.07	7.7	<0.2	<10	170	0.84	0.32	0.87	0.28	19.30	13.0	21
DD015544		0.21	0.004	0.11	1.26	8.3	<0.2	<10	230	0.93	0.27	1.39	0.16	18.15	10.5	22
DD015545		0.23	0.001	0.02	1.63	12.7	<0.2	<10	160	0.53	0.23	0.13	0.07	25.0	9.6	24
DD015546		0.23	0.003	1.00	1.52	310	<0.2	<10	170	0.90	0.29	2.66	6.41	18.55	11.9	21
DD015547		0.16	0.003	3.61	0.89	606	<0.2	<10	80	0.56	0.16	9.41	9.90	13.25	9.4	13
DD015548		0.23	0.003	0.47	1.22	237	<0.2	<10	100	0.72	0.24	6.76	3.62	15.40	12.4	18
DD015549		0.19	0.004	0.57	1.46	294	<0.2	<10	150	0.73	0.25	6.22	1.89	19.40	12.0	21
DD015550		0.20	0.002	0.42	1.13	245	<0.2	<10	110	0.65	0.19	8.05	2.89	13.10	9.9	16
DD015551		0.26	0.003	0.53	1.49	271	<0.2	<10	170	0.86	0.29	4.38	4.09	20.9	13.2	23
DD015552		0.19	0.002	0.32	1.04	205	<0.2	<10	70	0.55	0.14	10.95	2.19	11.45	8.0	14
DD015958		0.11	0.003	1.37	1.85	403	<0.2	<10	190	0.82	0.21	8.08	14.00	26.0	8.4	19
DD015959		0.15	0.006	6.41	1.33	454	<0.2	<10	200	0.92	0.21	8.44	5.79	30.0	11.3	20
DD015960		0.14	0.002	3.73	0.55	138	<0.2	<10	100	0.48	0.07	15.45	5.87	10.90	3.7	6
DD015961		0.13	0.013	0.15	0.60	33.6	<0.2	<10	120	0.56	0.14	2.66	0.23	13.65	4.9	10
DD015962		0.33	0.002	0.08	1.32	70.5	<0.2	<10	170	0.61	0.24	1.61	0.16	24.0	9.6	28
DD015963		0.21	0.001	0.07	1.45	21.7	<0.2	<10	170	0.66	0.27	0.37	0.09	20.3	8.5	23
DD015964		0.18	0.002	0.21	0.25	128.0	<0.2	<10	30	0.17	0.19	0.06	0.32	6.74	3.1	6
DD015993		0.28	0.003	0.29	1.35	37.2	<0.2	<10	220	0.94	0.37	0.46	0.33	16.70	14.0	24
DD015994		0.28	0.003	0.26	1.58	25.4	<0.2	<10	190	0.72	0.32	0.36	0.17	25.4	11.5	28
DD015995		0.24	0.002	0.27	0.89	39.0	<0.2	<10	140	0.85	0.36	2.85	0.63	13.90	18.5	17
DD015996		0.31	0.003	0.12	1.24	26.7	<0.2	<10	230	0.99	0.43	0.44	0.23	16.60	16.8	25
DD015997		0.14	0.004	1.40	1.17	155.5	<0.2	<10	220	0.91	0.24	6.71	2.70	19.90	10.3	16
DD015998		0.14	0.005	0.36	1.96	82.4	<0.2	<10	260	0.95	0.31	0.47	4.01	28.6	12.0	26
DD015999		0.27	0.003	0.82	1.90	76.1	<0.2	<10	220	0.92	0.34	0.33	0.52	26.1	12.3	32
DD016000		0.21	0.002	1.25	1.46	109.5	<0.2	<10	160	0.76	0.24	4.24	1.96	23.0	10.0	21
DD015888		0.08	0.008	0.89	1.20	36.4	<0.2	<10	260	0.92	0.23	2.35	1.91	19.45	8.0	18
DD015889		0.19	0.006	0.84	1.56	201	<0.2	<10	130	0.84	0.27	3.23	1.84	18.45	11.9	23
DD015890		0.14	0.002	3.06	0.50	146	<0.2	<10	110	0.38	0.07	14.70	7.33	10.05	3.8	7
DD015891		0.19	0.001	0.30	1.77	39.3	<0.2	<10	210	0.82	0.22	0.26	0.73	25.5	11.0	27
DD015892		0.21	0.005	0.07	1.09	35.4	<0.2	<10	160	1.33	0.46	0.47	0.24	10.50	13.6	22
DD015893		0.23	0.005	0.13	1.08	36.4	<0.2	<10	180	1.13	0.38	1.08	0.36	9.86	12.6	21
DD015894		0.30	0.003	0.12	1.42	9.8	<0.2	<10	220	0.63	0.27	1.38	0.37	14.10	10.0	25
DD015895		0.15	0.014	0.17	0.30	56.8	<0.2	<10	110	0.43	0.19	0.54	0.11	2.51	2.3	8
DD015896		0.15	0.006	0.09	1.12	32.2	<0.2	<10	170	0.91	0.33	0.88	0.16	11.55	11.6	22
DD015897		0.18	0.005	0.11	0.99	24.5	<0.2	<10	200	0.86	0.29	1.27	0.32	8.26	10.4	20
DD015898		0.11	0.004	0.07	1.26	11.6	<0.2	<10	230	0.92	0.26	1.58	0.10	8.22	7.1	22
DD015899		0.14	0.004	0.15	0.58	37.9	<0.2	<10	210	0.41	0.21	1.17	0.16	4.13	4.6	11
DD015900		0.18	0.002	0.07	1.33	35.7	<0.2	<10	270	0.74	0.37	0.22	0.10	12.45	12.2	26



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015541		0.70	19.3	2.89	3.91	0.07	0.03	0.08	0.030	0.06	7.1	18.7	0.37	348	0.91	<0.01
DD015542		1.58	42.3	3.70	3.75	0.09	0.07	0.13	0.035	0.07	7.1	15.8	0.48	770	0.77	<0.01
DD015543		1.02	40.2	3.06	3.86	0.09	0.07	0.14	0.037	0.06	8.8	19.0	0.58	335	0.60	<0.01
DD015544		0.78	38.3	3.03	4.22	0.08	0.06	0.15	0.031	0.06	8.9	19.2	0.39	542	0.62	<0.01
DD015545		0.87	10.5	3.15	5.39	0.07	0.04	0.03	0.026	0.04	12.0	24.4	0.44	226	0.79	<0.01
DD015546		0.87	20.9	4.12	5.02	0.09	0.05	28.0	0.047	0.05	10.4	14.4	1.69	1520	0.77	0.01
DD015547		0.63	14.3	2.74	2.98	0.06	0.04	31.2	0.020	0.04	6.4	12.1	5.79	2050	0.63	0.01
DD015548		0.74	17.8	3.45	4.04	0.08	0.06	9.15	0.027	0.05	7.7	15.2	4.14	1660	0.57	0.01
DD015549		0.63	15.6	3.30	4.69	0.08	0.07	4.41	0.027	0.05	10.2	19.0	3.99	2030	0.68	0.01
DD015550		0.68	10.8	3.22	3.71	0.08	0.05	6.13	0.023	0.04	7.1	12.2	4.97	1900	0.56	0.01
DD015551		0.88	19.4	3.88	4.75	0.09	0.07	6.07	0.031	0.05	11.3	19.3	2.83	1750	0.71	0.01
DD015552		0.56	8.0	2.68	3.21	0.07	0.04	5.05	0.019	0.03	6.1	10.2	6.74	1370	0.52	0.02
DD015958		1.46	9.9	4.49	4.70	0.11	0.06	1.49	0.027	0.03	11.4	7.5	4.73	6750	0.71	0.02
DD015959		1.03	18.9	2.98	4.19	0.10	0.08	3.14	0.023	0.04	19.8	10.1	5.13	4990	1.08	0.01
DD015960		0.67	9.0	1.61	1.47	0.06	0.06	0.87	0.010	0.03	6.5	2.4	9.02	3290	0.59	0.02
DD015961		5.90	16.7	1.50	1.71	0.06	0.04	0.62	0.019	0.04	6.8	5.4	0.15	217	0.44	0.01
DD015962		4.02	9.5	3.68	3.92	0.09	0.07	2.39	0.031	0.05	13.2	11.3	1.04	964	0.93	0.01
DD015963		1.61	9.8	3.06	4.76	0.07	0.05	0.28	0.032	0.04	9.8	14.8	0.40	288	0.58	<0.01
DD015964		2.39	8.6	1.62	1.69	<0.05	0.02	2.84	0.014	0.03	3.2	1.0	0.03	184	0.69	<0.01
DD015993		0.81	43.9	3.92	4.67	0.09	0.07	0.61	0.041	0.08	8.8	16.7	0.44	777	0.96	<0.01
DD015994		0.78	29.5	3.73	5.04	0.10	0.08	0.39	0.033	0.06	14.5	22.1	0.58	431	1.19	<0.01
DD015995		9.21	38.7	3.56	3.15	0.08	0.05	0.55	0.040	0.09	5.8	11.8	1.01	1260	0.82	0.01
DD015996		1.17	49.4	4.13	4.61	0.09	0.07	0.40	0.044	0.10	7.2	17.0	0.40	987	1.09	<0.01
DD015997		0.85	19.7	3.30	3.60	0.08	0.05	1.92	0.030	0.06	9.6	12.8	3.85	1910	0.83	0.01
DD015998		0.89	7.9	4.08	6.56	0.09	0.06	0.63	0.035	0.05	12.1	15.1	0.41	2500	1.00	<0.01
DD015999		0.90	12.2	4.24	5.91	0.10	0.08	1.44	0.039	0.05	15.1	19.7	0.52	866	1.00	<0.01
DD016000		0.90	16.6	3.32	4.37	0.09	0.06	1.75	0.028	0.04	12.3	15.4	2.63	1420	0.74	0.01
DD015888		0.61	35.9	2.63	3.68	0.08	0.05	0.63	0.031	0.05	12.7	12.0	0.46	803	0.64	0.01
DD015889		0.79	16.8	3.65	5.10	0.08	0.06	1.74	0.032	0.04	9.5	17.9	2.14	1240	0.64	0.01
DD015890		0.51	7.6	1.59	1.49	0.05	0.04	3.32	0.010	0.02	5.1	3.0	8.68	3290	0.40	0.02
DD015891		1.01	10.7	3.53	5.52	0.08	0.06	0.45	0.029	0.05	11.6	22.1	0.47	865	0.86	<0.01
DD015892		1.65	42.6	4.26	4.20	<0.05	0.06	0.23	0.044	0.07	4.8	16.5	0.30	1220	4.07	<0.01
DD015893		1.77	31.8	4.03	3.73	0.05	0.05	0.31	0.035	0.06	4.2	14.3	0.36	1450	2.64	0.01
DD015894		0.93	20.6	3.22	4.12	<0.05	0.07	0.11	0.024	0.06	6.5	32.6	0.65	273	0.53	0.01
DD015895		3.64	23.1	1.63	1.30	<0.05	0.03	0.25	0.025	0.04	1.2	3.2	0.07	214	11.85	<0.01
DD015896		3.10	32.9	3.75	4.00	<0.05	0.03	0.23	0.035	0.09	4.5	16.3	0.32	887	9.24	0.01
DD015897		2.26	35.9	2.94	3.39	<0.05	0.04	0.21	0.036	0.08	3.3	11.5	0.29	1380	3.49	0.01
DD015898		1.69	31.1	3.02	3.90	<0.05	0.04	0.14	0.030	0.09	3.7	13.3	0.36	219	1.47	0.01
DD015899		3.17	16.8	1.79	2.02	<0.05	0.03	0.62	0.021	0.04	1.8	6.1	0.18	347	3.00	0.01
DD015900		3.35	35.4	4.35	5.09	<0.05	<0.02	0.30	0.036	0.06	5.3	18.7	0.33	826	1.35	0.01



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015541		0.95	20.5	360	15.5	7.6	<0.001	0.02	0.46	3.1	0.5	0.4	38.6	<0.01	0.03	1.5
DD015542		1.14	26.0	420	24.5	7.6	<0.001	0.01	0.34	5.5	0.4	0.5	28.6	<0.01	0.03	4.7
DD015543		1.42	26.0	460	24.5	7.1	<0.001	0.01	0.38	5.8	0.6	0.4	27.4	<0.01	0.03	4.6
DD015544		1.21	24.4	670	18.0	7.3	<0.001	0.04	0.96	4.1	0.8	0.5	57.8	0.01	0.03	1.9
DD015545		1.22	21.3	110	20.1	10.1	<0.001	<0.01	1.11	2.8	0.2	0.5	10.3	<0.01	0.02	4.4
DD015546		1.10	26.2	230	736	8.9	<0.001	0.03	282	6.3	0.9	0.6	17.8	0.01	0.03	4.0
DD015547		0.60	18.9	660	1605	5.4	<0.001	0.03	447	5.6	0.8	0.3	43.8	<0.01	0.03	2.0
DD015548		0.80	23.5	450	253	7.7	<0.001	0.02	142.0	5.1	0.7	0.4	41.5	<0.01	0.03	3.5
DD015549		0.67	24.8	320	246	7.3	<0.001	0.01	90.9	5.4	0.7	0.4	26.9	<0.01	0.03	4.5
DD015550		0.75	20.4	380	257	7.0	<0.001	0.01	149.5	5.1	0.7	0.3	34.0	<0.01	0.02	2.6
DD015551		0.91	27.7	390	198.5	8.4	<0.001	0.01	128.0	6.3	0.8	0.5	26.8	<0.01	0.04	4.5
DD015552		0.72	20.3	510	149.0	5.8	<0.001	0.02	91.5	4.6	0.6	0.3	56.8	<0.01	0.03	1.6
DD015958		0.75	13.8	670	921	9.4	<0.001	0.04	111.5	3.9	1.0	0.5	26.6	0.01	0.06	1.5
DD015959		0.65	27.4	700	534	7.0	<0.001	0.04	210	6.6	1.3	0.3	45.1	0.01	0.06	2.1
DD015960		0.24	7.7	1100	438	3.6	<0.001	0.06	31.1	1.8	0.9	<0.2	84.3	0.01	0.04	0.4
DD015961		0.39	16.5	550	13.0	6.8	0.001	0.12	1.21	1.9	1.1	0.2	68.0	<0.01	0.02	0.6
DD015962		0.77	21.8	240	68.7	7.6	<0.001	0.01	4.52	5.1	0.5	0.5	16.7	<0.01	0.03	5.3
DD015963		1.29	18.2	130	29.6	8.0	<0.001	<0.01	1.55	3.5	0.3	0.5	10.2	<0.01	0.02	4.3
DD015964		0.31	9.1	80	48.0	6.4	<0.001	<0.01	39.1	1.3	0.2	0.3	16.8	<0.01	0.02	2.5
DD015993		0.83	25.8	240	42.9	8.2	<0.001	0.01	4.50	5.8	0.6	0.6	19.2	<0.01	0.03	4.0
DD015994		1.03	28.4	200	28.2	7.1	<0.001	<0.01	3.41	5.4	0.6	0.5	15.0	<0.01	0.03	5.7
DD015995		0.74	26.7	390	54.2	17.9	<0.001	0.04	5.10	5.0	0.7	0.5	33.7	<0.01	0.03	3.6
DD015996		0.78	28.6	240	31.3	9.1	<0.001	0.01	1.36	6.1	0.5	0.6	23.2	<0.01	0.03	4.9
DD015997		0.63	16.5	720	217	10.9	<0.001	0.04	24.7	4.4	0.7	0.4	42.3	0.01	0.03	1.7
DD015998		1.13	19.3	210	173.5	8.9	<0.001	0.01	9.39	4.8	0.5	0.7	15.4	<0.01	0.04	4.2
DD015999		1.26	25.9	150	153.0	10.7	<0.001	<0.01	11.65	6.2	0.7	0.6	11.2	<0.01	0.03	6.5
DD016000		0.80	21.0	680	153.0	7.8	<0.001	0.03	19.80	4.2	0.7	0.4	27.1	0.01	0.04	2.0
DD015888		0.85	17.4	570	46.4	7.5	<0.001	0.05	8.46	3.9	0.9	0.4	54.7	0.01	0.03	1.1
DD015889		0.94	23.0	390	211	6.8	<0.001	0.01	48.8	5.1	0.7	0.5	23.4	<0.01	0.03	3.7
DD015890		0.25	7.9	1110	396	4.2	<0.001	0.04	82.1	1.4	0.9	<0.2	78.8	0.01	0.03	0.4
DD015891		0.97	23.3	130	60.8	10.6	<0.001	<0.01	10.25	3.8	0.3	0.5	10.1	<0.01	0.03	4.5
DD015892		0.42	28.5	420	34.1	8.5	0.001	0.02	2.29	5.4	0.9	0.7	23.2	<0.01	0.03	2.6
DD015893		0.41	25.0	480	34.6	11.6	0.002	0.06	6.42	4.5	1.1	0.6	24.3	<0.01	0.03	2.0
DD015894		0.65	25.7	630	19.6	4.7	0.001	0.19	1.08	3.2	0.5	0.3	46.3	<0.01	0.02	3.3
DD015895		0.10	10.5	210	10.4	5.6	0.005	0.04	0.68	2.0	1.5	0.5	31.0	<0.01	0.09	0.5
DD015896		0.55	22.3	400	21.1	9.9	0.003	0.05	0.48	4.2	0.8	0.7	36.6	<0.01	0.06	1.9
DD015897		0.44	20.1	490	16.2	8.1	0.001	0.07	0.60	3.8	1.0	0.6	59.0	<0.01	0.05	1.5
DD015898		0.50	19.7	720	12.1	8.9	0.001	0.14	0.38	3.3	0.9	0.6	62.5	<0.01	0.03	1.3
DD015899		0.25	11.4	440	12.3	7.6	0.002	0.08	0.68	2.1	0.7	0.4	51.0	<0.01	0.03	0.7
DD015900		0.73	19.7	340	23.9	11.5	<0.001	0.02	0.50	3.8	0.6	0.6	17.9	<0.01	0.04	2.6



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015541		0.014	0.05	0.79	24	0.18	4.40	60	0.8
DD015542		0.017	0.08	0.56	21	0.09	7.51	81	2.4
DD015543		0.017	0.07	0.57	23	0.10	8.52	90	2.4
DD015544		0.011	0.05	1.47	21	0.10	9.41	65	1.5
DD015545		0.019	0.12	0.46	34	0.14	2.78	75	1.7
DD015546		0.008	1.96	0.90	30	0.13	10.85	1780	1.6
DD015547		0.009	6.36	1.42	20	0.10	7.79	2230	1.2
DD015548		0.009	1.18	1.15	22	0.12	8.98	1280	1.7
DD015549		0.009	0.91	1.12	25	0.13	9.34	540	2.1
DD015550		0.009	0.73	1.33	23	0.13	8.38	831	1.3
DD015551		0.012	0.84	1.05	29	0.14	11.55	1980	2.0
DD015552		0.008	0.74	1.28	23	0.13	9.51	716	1.2
DD015958		0.019	2.37	1.35	40	0.36	14.10	2730	1.7
DD015959		0.010	2.45	2.09	38	0.36	25.8	604	2.1
DD015960		0.006	2.40	2.46	13	0.14	17.10	1010	1.7
DD015961		0.005	1.09	1.44	11	0.10	10.25	42	1.2
DD015962		0.010	1.39	1.09	35	0.21	9.19	86	2.1
DD015963		0.013	0.27	0.83	32	0.16	4.69	63	1.9
DD015964		<0.005	1.12	0.27	13	0.39	1.21	206	0.8
DD015993		0.009	0.16	0.75	29	0.12	9.91	173	1.9
DD015994		0.022	0.12	0.65	34	0.17	11.20	111	2.5
DD015995		0.009	0.28	1.05	20	0.11	7.16	194	1.5
DD015996		0.010	0.13	0.65	27	0.12	7.67	118	2.3
DD015997		0.006	0.67	1.72	23	0.13	12.55	818	1.4
DD015998		0.011	0.70	0.74	46	0.20	7.54	901	2.0
DD015999		0.017	0.47	1.29	39	0.18	10.00	389	3.2
DD016000		0.014	0.48	1.14	31	0.15	13.35	501	1.4
DD015888		0.012	0.16	1.71	24	0.13	15.40	387	1.2
DD015889		0.009	0.69	0.90	28	0.13	11.25	701	1.6
DD015890		0.006	1.78	1.83	11	0.08	16.90	1090	1.0
DD015891		0.014	0.35	0.61	34	0.15	5.39	313	2.2
DD015892		0.006	0.20	0.99	27	0.10	8.16	148	1.6
DD015893		0.005	0.21	1.83	24	0.07	7.00	178	1.4
DD015894		0.008	0.06	1.78	23	0.05	5.49	124	2.6
DD015895		<0.005	0.50	0.99	46	0.16	4.44	50	1.2
DD015896		0.008	0.29	1.13	30	0.10	6.25	137	1.1
DD015897		0.006	0.26	0.88	33	0.09	5.70	89	1.4
DD015898		0.005	0.18	0.68	24	0.09	5.87	62	1.3
DD015899		<0.005	0.63	0.33	29	0.11	3.06	58	1.0
DD015900		0.012	0.16	0.57	36	0.13	3.48	89	0.5



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015901		0.31	0.002	0.03	1.18	25.9	<0.2	<10	170	0.78	0.39	0.13	0.04	10.10	10.2	24
DD015902		0.31	0.002	0.02	1.54	24.2	<0.2	<10	130	1.03	0.42	0.05	0.04	10.95	13.1	30
DD015903		0.19	0.002	0.02	1.33	24.1	<0.2	<10	130	0.80	0.39	0.05	0.03	13.25	9.7	26
DD015904		0.22	0.005	0.08	0.48	25.3	<0.2	<10	40	0.27	0.46	0.15	0.03	5.85	4.1	8
DD015905		0.15	0.001	0.02	1.37	37.2	<0.2	<10	110	0.53	0.38	0.05	0.04	8.03	9.6	26
DD015947		0.13	0.005	0.07	1.19	14.7	<0.2	<10	290	1.25	0.28	1.15	0.23	9.71	10.0	21
DD015948		0.45	0.007	0.05	1.30	14.4	<0.2	<10	190	1.28	0.47	0.31	0.06	11.45	13.8	27
DD015949		0.40	0.002	0.08	1.36	16.6	<0.2	<10	220	1.09	0.42	0.44	0.09	13.35	12.5	28
DD015950		0.26	0.002	0.08	1.37	19.3	<0.2	<10	250	1.23	0.42	0.71	0.08	10.40	11.2	28
CC160851		0.30	0.004	0.04	1.41	18.4	<0.2	<10	230	0.99	0.44	0.25	0.05	10.70	11.8	29
CC160852		0.37	0.007	0.05	1.39	17.1	<0.2	<10	210	1.30	0.47	0.51	0.06	10.90	12.9	28
CC160853		0.35	0.003	0.04	1.52	13.4	<0.2	<10	160	1.32	0.54	0.30	0.03	9.28	12.4	29
CC160854		0.22	0.001	0.03	1.88	15.3	<0.2	<10	120	1.22	0.52	0.02	0.04	9.58	12.2	34
CC160855		0.27	0.001	0.06	1.61	8.2	<0.2	<10	160	0.71	0.40	0.06	0.05	14.05	6.7	23
CC160856		0.28	0.001	0.04	1.99	15.5	<0.2	<10	130	1.08	0.63	0.14	0.03	6.29	13.4	34
CC160857		0.15	0.004	0.02	1.54	10.7	<0.2	<10	180	0.83	0.45	0.26	0.09	10.35	12.3	30
CC160858		0.26	0.002	0.02	2.22	18.4	<0.2	<10	140	1.57	0.56	0.03	0.03	9.29	10.1	35
CC160859		0.24	<0.001	0.02	1.02	3.8	<0.2	<10	100	0.42	0.48	0.24	0.06	4.06	5.8	29
CC160860		0.16	<0.001	0.02	0.82	7.6	<0.2	<10	120	0.49	0.34	0.08	0.02	7.11	5.9	22
CC160861		0.09	NSS	0.11	0.76	3.5	<0.2	<10	210	0.69	0.14	2.32	0.47	7.27	4.2	12
CC160862		0.12	0.007	0.10	0.53	3.4	<0.2	<10	170	0.25	0.09	4.29	0.33	3.34	2.7	8
CC160863		0.12	0.001	0.05	1.24	9.8	<0.2	<10	140	0.63	0.30	0.25	0.07	12.90	7.8	22
CC160864		0.23	0.003	0.13	1.36	13.9	<0.2	<10	240	1.13	0.31	1.49	0.14	13.30	9.8	23
CC160865		0.11	0.007	0.31	1.42	17.9	<0.2	<10	290	1.48	0.34	0.14	0.05	14.35	12.4	25
CC160866		0.10	0.007	0.03	0.86	13.0	<0.2	<10	110	0.59	0.22	0.11	0.11	5.01	10.0	15
CC160867		0.21	0.002	0.02	0.56	9.8	<0.2	<10	170	0.93	0.32	0.06	0.01	5.09	5.6	24
CC160868		0.14	0.003	0.04	1.18	20.5	<0.2	<10	170	1.37	0.38	0.38	0.08	13.80	14.0	24
CC160869		0.16	0.007	0.06	0.64	4.3	<0.2	<10	250	0.67	0.11	3.76	0.31	6.40	4.1	9
CC160870		0.31	0.002	0.07	0.91	14.6	<0.2	<10	200	1.06	0.22	1.90	0.14	12.25	10.3	17
CC160871		0.31	0.003	0.05	1.15	15.6	<0.2	<10	180	1.17	0.31	0.80	0.09	15.60	12.5	22
CC160872		0.24	0.001	0.03	1.04	18.3	<0.2	<10	140	0.77	0.32	0.08	0.03	7.16	8.7	23
CC160873		0.16	0.011	0.18	1.54	10.0	<0.2	<10	570	1.80	0.31	0.98	0.07	11.75	7.7	16
CC160874		0.15	0.012	0.11	1.32	11.2	<0.2	<10	380	1.31	0.33	1.00	0.26	8.63	17.6	21
CC160875		0.17	0.002	0.07	1.42	11.4	<0.2	<10	90	0.83	0.33	0.01	0.03	6.12	9.4	21
CC160876		0.26	0.003	0.05	1.67	18.8	<0.2	<10	100	0.82	0.33	0.02	0.06	10.80	10.0	26
CC160877		0.25	0.001	0.04	1.08	14.0	<0.2	<10	60	0.93	0.33	0.02	0.08	10.20	9.1	20
CC160878		0.14	0.002	0.01	1.08	11.1	<0.2	<10	110	0.97	0.27	0.10	0.04	15.00	9.2	20
CC160879		0.29	0.002	0.03	1.42	12.4	<0.2	<10	90	1.27	0.36	0.02	0.05	8.53	11.1	22
CC160880		0.25	0.002	0.07	1.25	12.5	<0.2	<10	240	1.30	0.33	0.25	0.08	14.15	11.1	22
CC160881		0.15	0.002	0.16	1.19	9.8	<0.2	<10	330	1.22	0.22	1.73	0.29	14.75	8.6	17



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015901		1.31	34.0	4.17	4.74	<0.05	<0.02	0.24	0.035	0.06	4.6	13.5	0.26	768	1.29	0.01
DD015902		1.41	38.3	4.85	4.96	<0.05	0.02	0.29	0.035	0.06	4.3	24.6	0.37	876	0.76	0.01
DD015903		0.99	36.1	4.25	4.89	<0.05	<0.02	0.30	0.034	0.05	5.9	17.1	0.29	552	0.85	0.01
DD015904		6.63	15.0	3.04	1.58	<0.05	0.02	0.45	0.030	0.06	2.8	3.5	0.04	87	0.51	<0.01
DD015905		3.89	30.1	4.97	5.10	<0.05	0.04	0.33	0.039	0.04	3.7	18.5	0.26	269	0.86	0.01
DD015947		0.71	27.2	4.70	3.58	<0.05	0.06	0.13	0.037	0.06	3.8	18.5	0.32	2690	0.96	0.01
DD015948		0.87	46.9	5.13	4.57	<0.05	0.05	0.14	0.053	0.09	4.5	18.9	0.39	796	1.28	0.01
DD015949		0.94	40.7	4.38	4.57	<0.05	0.06	0.17	0.042	0.10	5.7	21.2	0.42	999	0.60	0.01
DD015950		0.94	47.0	4.35	4.65	<0.05	0.05	0.50	0.042	0.09	4.9	17.5	0.51	501	0.62	0.01
CC160851		0.86	39.7	4.63	5.07	<0.05	0.05	0.08	0.044	0.07	5.1	18.7	0.41	437	0.79	0.01
CC160852		0.98	50.3	4.59	5.05	<0.05	0.04	0.21	0.046	0.09	4.8	18.1	0.44	590	0.51	0.01
CC160853		1.05	47.2	4.79	5.78	<0.05	0.04	0.09	0.051	0.08	4.3	22.7	0.48	377	0.53	0.01
CC160854		1.34	78.4	5.81	6.51	<0.05	0.02	0.14	0.058	0.06	4.2	23.6	0.38	578	0.71	0.01
CC160855		0.99	15.9	4.01	7.10	<0.05	0.03	0.02	0.031	0.06	6.4	14.3	0.22	395	0.83	0.01
CC160856		1.62	47.7	5.01	7.39	<0.05	0.03	0.04	0.048	0.06	2.6	29.9	0.58	371	0.62	0.01
CC160857		0.88	26.9	4.46	6.12	<0.05	0.03	0.04	0.043	0.08	4.2	23.2	0.45	627	0.71	0.01
CC160858		1.83	44.4	4.44	8.42	<0.05	0.02	0.03	0.042	0.06	4.3	30.2	0.64	405	0.60	0.01
CC160859		1.33	6.9	3.92	4.23	<0.05	<0.02	0.02	0.025	0.10	1.9	7.2	0.22	180	0.66	0.01
CC160860		1.37	8.5	3.53	3.36	<0.05	<0.02	0.04	0.019	0.08	3.2	6.6	0.14	464	0.89	0.01
CC160861		0.53	21.9	1.23	2.21	<0.05	0.03	0.54	0.018	0.04	3.9	4.4	0.22	207	0.43	0.02
CC160862		0.30	13.4	0.75	1.32	<0.05	0.04	0.10	0.010	0.02	1.6	2.1	0.25	385	0.51	0.02
CC160863		0.73	14.1	3.30	4.83	<0.05	0.03	0.05	0.026	0.08	5.8	18.7	0.31	389	0.67	0.01
CC160864		0.65	27.6	3.50	4.04	<0.05	0.05	0.13	0.032	0.09	7.4	18.5	0.36	615	0.59	0.01
CC160865		1.46	31.1	4.13	4.95	<0.05	0.04	0.20	0.042	0.12	4.8	17.4	0.29	700	0.81	<0.01
CC160866		0.93	11.5	3.27	3.11	<0.05	0.03	0.05	0.023	0.14	2.0	12.9	0.18	446	0.88	<0.01
CC160867		1.89	15.3	3.94	2.21	<0.05	<0.02	0.05	0.022	0.08	2.6	7.7	0.14	255	0.88	<0.01
CC160868		1.44	36.9	3.96	4.71	<0.05	0.05	0.17	0.042	0.10	5.0	17.2	0.34	723	0.91	<0.01
CC160869		0.53	26.5	1.29	1.87	<0.05	0.03	0.12	0.014	0.05	3.6	8.4	0.34	417	0.34	0.01
CC160870		0.77	29.2	2.80	3.18	<0.05	0.03	0.14	0.026	0.07	4.4	12.9	0.32	689	0.92	<0.01
CC160871		1.11	29.3	3.62	3.96	<0.05	0.06	0.17	0.032	0.09	6.0	16.9	0.37	709	0.77	<0.01
CC160872		1.08	33.5	4.52	3.97	<0.05	0.03	0.17	0.038	0.06	3.3	16.1	0.25	327	0.88	<0.01
CC160873		2.95	37.8	3.22	4.08	<0.05	0.02	0.20	0.033	0.07	4.4	10.6	0.26	911	0.69	0.01
CC160874		1.18	26.5	4.21	4.59	<0.05	0.06	0.14	0.033	0.09	3.2	12.1	0.37	2860	0.82	0.01
CC160875		1.27	36.9	4.16	4.33	<0.05	0.04	0.08	0.038	0.06	2.8	20.5	0.23	237	0.51	<0.01
CC160876		1.13	29.8	4.70	4.74	<0.05	0.06	2.49	0.041	0.06	5.0	32.1	0.32	292	0.72	<0.01
CC160877		1.26	23.4	3.52	4.49	<0.05	0.02	0.13	0.025	0.08	4.6	15.7	0.23	296	1.12	<0.01
CC160878		0.80	18.2	3.17	4.25	<0.05	0.02	0.09	0.030	0.07	6.5	15.3	0.30	293	1.00	<0.01
CC160879		1.53	38.7	4.08	4.95	<0.05	0.04	0.11	0.043	0.06	3.7	20.0	0.29	356	0.87	<0.01
CC160880		0.91	30.6	3.75	4.25	<0.05	0.05	0.15	0.039	0.07	6.4	15.6	0.33	339	0.99	<0.01
CC160881		0.68	28.4	2.58	3.22	<0.05	0.04	0.19	0.029	0.06	6.8	13.2	0.31	835	0.67	<0.01





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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015901		0.62	16.4	230	21.3	8.9	<0.001	0.01	0.49	3.8	0.7	0.7	11.9	<0.01	0.04	2.9
DD015902		0.50	22.8	160	27.5	9.2	<0.001	0.01	0.53	4.5	0.6	0.7	7.2	<0.01	0.03	4.2
DD015903		0.71	18.5	220	22.4	9.9	<0.001	0.01	0.57	3.8	0.5	0.7	7.1	<0.01	0.04	3.5
DD015904		0.14	10.4	170	14.1	6.3	0.001	0.01	0.27	2.2	<0.2	0.8	12.9	<0.01	0.03	2.6
DD015905		0.66	17.4	140	21.8	14.0	<0.001	0.01	0.46	3.5	0.3	0.7	7.2	<0.01	0.04	2.8
DD015947		0.31	20.0	830	19.7	12.6	0.001	0.15	0.16	4.0	1.0	0.5	76.3	<0.01	0.05	1.4
DD015948		0.37	25.7	340	27.6	8.4	<0.001	0.02	0.32	6.7	0.6	0.7	27.0	<0.01	0.04	4.4
DD015949		0.48	25.2	390	20.9	8.4	<0.001	0.02	0.31	6.5	0.6	0.7	26.1	<0.01	0.04	4.4
DD015950		0.45	23.8	330	21.1	8.1	<0.001	0.03	0.32	6.6	0.6	0.7	25.7	<0.01	0.04	3.7
CC160851		0.47	26.0	220	20.5	8.4	<0.001	0.01	0.33	5.3	0.6	0.7	17.0	<0.01	0.04	3.9
CC160852		0.41	25.7	340	23.9	7.9	0.001	0.02	0.31	6.1	0.9	0.7	30.1	<0.01	0.04	3.8
CC160853		0.29	27.2	230	30.8	7.0	<0.001	0.01	0.26	6.0	0.5	0.7	23.2	<0.01	0.04	4.4
CC160854		0.28	23.3	210	22.1	11.0	<0.001	0.01	0.35	6.6	0.6	0.8	7.5	<0.01	0.05	4.4
CC160855		0.51	11.2	250	18.8	16.1	<0.001	0.01	0.31	2.7	0.3	0.9	7.4	<0.01	0.03	2.9
CC160856		0.25	27.6	190	22.6	9.4	<0.001	0.01	0.32	4.4	0.3	0.7	11.4	<0.01	0.04	2.9
CC160857		0.47	22.5	230	18.5	10.1	0.001	0.01	0.25	4.1	0.2	0.8	19.0	<0.01	0.04	3.2
CC160858		0.20	27.7	130	19.1	8.7	<0.001	<0.01	0.22	4.7	0.4	1.1	7.4	<0.01	0.02	3.9
CC160859		0.74	9.4	120	14.6	14.0	<0.001	0.01	0.21	3.1	0.2	1.2	11.0	<0.01	0.04	2.4
CC160860		0.71	8.6	160	16.3	13.8	<0.001	0.01	0.30	2.0	0.2	0.8	7.2	<0.01	0.05	2.5
CC160861		0.30	13.2	710	8.9	3.7	0.001	0.10	0.34	2.2	0.4	0.4	76.4	<0.01	0.03	0.8
CC160862		0.28	9.8	740	3.8	2.7	<0.001	0.16	0.55	0.7	0.5	0.2	124.5	0.01	0.03	0.3
CC160863		0.68	15.5	160	15.7	11.7	0.001	0.01	0.28	2.6	<0.2	0.7	13.1	<0.01	0.03	2.6
CC160864		0.78	20.6	410	18.6	8.3	0.001	0.04	0.37	4.4	0.6	0.7	46.5	<0.01	0.03	2.4
CC160865		0.51	23.2	290	21.9	12.4	0.001	0.01	0.42	4.9	0.2	0.8	9.6	<0.01	0.02	3.8
CC160866		0.21	15.7	210	12.3	12.7	<0.001	<0.01	0.30	2.5	<0.2	0.6	5.1	<0.01	0.03	2.1
CC160867		0.62	11.2	90	17.0	8.9	0.001	<0.01	0.36	2.9	0.3	0.8	8.2	<0.01	0.03	3.2
CC160868		0.60	26.0	270	26.4	10.3	0.002	0.01	0.43	5.6	0.7	0.8	20.3	<0.01	0.02	4.3
CC160869		0.33	13.6	470	7.0	5.5	0.001	0.09	0.35	1.2	0.8	0.3	128.0	<0.01	0.02	0.4
CC160870		0.52	22.0	380	19.0	7.0	0.001	0.04	0.48	2.4	0.4	0.5	57.9	<0.01	0.02	0.9
CC160871		0.81	24.5	260	23.4	8.2	0.001	0.01	0.42	4.8	0.5	0.7	29.1	<0.01	0.03	3.5
CC160872		0.58	15.5	130	21.6	10.7	0.001	<0.01	0.41	3.1	0.2	0.7	8.2	<0.01	0.05	3.1
CC160873		0.37	17.4	860	16.8	12.7	0.001	0.09	0.30	4.1	0.7	0.7	60.4	<0.01	0.02	1.7
CC160874		0.28	23.1	710	18.6	9.3	<0.001	0.06	0.28	4.2	0.5	0.5	81.1	<0.01	0.04	1.8
CC160875		0.28	20.7	130	14.4	13.9	<0.001	<0.01	0.29	3.2	0.3	0.6	4.8	<0.01	0.03	2.2
CC160876		0.46	23.7	120	21.8	12.1	0.001	<0.01	0.39	3.3	0.2	0.6	6.8	<0.01	0.03	3.4
CC160877		0.52	17.0	150	17.0	13.0	0.001	<0.01	0.49	2.9	<0.2	0.7	6.9	<0.01	0.03	3.3
CC160878		0.50	20.7	110	15.6	10.9	0.001	<0.01	0.39	3.3	0.4	0.6	8.8	<0.01	0.03	3.3
CC160879		0.30	24.4	110	24.4	13.0	0.001	<0.01	0.39	4.0	0.5	0.7	6.2	<0.01	0.03	3.9
CC160880		0.39	26.4	220	20.2	8.2	0.001	<0.01	0.45	5.7	0.6	0.7	13.1	<0.01	0.04	4.3
CC160881		0.45	24.2	640	15.4	7.9	0.001	0.05	0.47	3.0	0.8	0.5	51.3	<0.01	0.02	1.1



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015901		0.011	0.13	0.55	38	0.10	3.78	74	<0.5
DD015902		0.008	0.11	0.60	32	0.11	3.54	87	1.1
DD015903		0.010	0.10	0.57	34	0.11	4.15	72	0.7
DD015904		<0.005	0.21	0.24	10	<0.05	1.50	58	0.9
DD015905		0.009	0.17	0.40	34	0.08	2.26	79	1.4
DD015947		<0.005	0.07	3.68	23	0.07	8.62	111	1.6
DD015948		0.006	0.07	0.99	29	0.08	7.37	127	1.7
DD015949		0.009	0.06	0.83	28	0.11	7.95	107	1.7
DD015950		0.008	0.07	0.97	28	0.09	8.48	145	1.3
CC160851		0.010	0.07	0.93	30	0.11	5.55	93	1.4
CC160852		0.008	0.06	0.85	27	0.09	7.44	107	1.2
CC160853		0.006	0.05	1.17	26	0.05	6.35	117	1.6
CC160854		0.005	0.10	0.69	35	0.07	4.79	106	1.2
CC160855		0.007	0.09	0.37	43	0.08	2.23	54	1.1
CC160856		0.005	0.07	0.51	29	0.05	3.47	98	1.2
CC160857		0.009	0.06	0.59	31	0.10	2.98	89	1.0
CC160858		<0.005	0.06	0.55	31	<0.05	3.95	104	1.0
CC160859		0.014	0.07	0.66	33	0.19	1.31	33	<0.5
CC160860		0.013	0.07	0.54	31	0.18	1.50	29	<0.5
CC160861		0.007	0.05	0.83	14	0.05	4.31	52	0.9
CC160862		0.008	0.03	0.41	7	<0.05	1.62	27	1.5
CC160863		0.011	0.07	0.39	32	0.07	2.50	60	0.9
CC160864		0.007	0.07	0.73	25	0.10	9.82	76	1.4
CC160865		0.005	0.11	0.62	25	0.11	3.77	72	1.0
CC160866		<0.005	0.07	0.18	17	<0.05	1.24	55	0.7
CC160867		0.013	0.05	0.90	27	0.30	2.23	28	<0.5
CC160868		0.008	0.08	0.72	24	0.12	6.30	80	1.9
CC160869		<0.005	0.03	2.67	9	0.05	5.00	29	1.0
CC160870		0.006	0.05	1.91	17	0.08	5.35	65	0.9
CC160871		0.009	0.07	0.67	22	0.12	6.82	76	1.8
CC160872		0.009	0.09	0.58	28	0.19	2.02	59	1.0
CC160873		<0.005	0.09	0.99	18	0.12	10.15	41	0.6
CC160874		<0.005	0.06	0.75	20	0.06	6.16	96	1.3
CC160875		<0.005	0.10	0.30	24	0.06	1.82	58	1.3
CC160876		<0.005	0.09	0.42	26	0.09	2.49	61	2.0
CC160877		0.008	0.09	0.47	25	0.11	2.62	65	1.0
CC160878		0.011	0.06	0.54	24	0.10	3.64	51	1.0
CC160879		0.005	0.11	0.52	22	0.05	3.35	67	1.7
CC160880		0.007	0.07	0.80	22	0.07	9.02	79	1.4
CC160881		0.007	0.06	1.91	20	0.08	9.04	50	1.0



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160882		0.26	0.001	0.05	1.06	16.3	<0.2	<10	150	0.98	0.34	0.33	0.08	9.65	10.4	22
CC160883		0.29	0.003	0.07	1.27	12.8	<0.2	<10	170	0.90	0.28	0.61	0.09	10.80	7.5	22
CC160884		0.34	0.002	0.07	1.19	32.5	<0.2	<10	150	1.17	0.38	0.44	0.10	12.80	11.3	23
CC160885		0.21	0.002	0.08	1.51	10.4	<0.2	<10	170	0.91	0.29	0.57	0.10	17.70	9.9	25
CC160886		0.14	0.008	0.10	0.91	6.3	<0.2	<10	220	0.79	0.19	2.16	0.45	10.75	5.8	15
CC160887		0.19	0.009	0.09	0.63	8.1	<0.2	10	390	0.63	0.15	2.37	0.53	8.06	10.6	11
CC160888		0.34	0.108	0.08	1.07	14.0	<0.2	<10	140	1.15	0.31	0.54	0.30	14.80	14.6	20
CC160889		0.20	0.004	0.08	0.88	8.5	<0.2	<10	380	0.71	0.17	2.17	0.41	10.30	9.9	14
CC160890		0.24	0.007	0.22	1.12	12.7	<0.2	<10	220	0.94	0.24	1.17	1.35	21.4	7.9	23
CC160891		0.24	0.003	0.11	0.88	12.9	<0.2	<10	210	0.84	0.25	2.00	0.50	12.85	10.4	18
CC160892		0.17	0.005	0.18	0.83	5.5	<0.2	<10	200	1.17	0.17	1.95	1.19	12.30	4.8	15
DD015608		0.20	0.003	0.08	1.28	10.5	<0.2	<10	210	1.07	0.26	0.42	0.11	18.25	9.0	23
DD015609		0.29	0.001	0.09	1.18	10.8	<0.2	<10	140	1.08	0.34	0.52	0.14	12.80	9.3	22
DD015610		0.28	0.003	0.08	1.24	11.2	<0.2	<10	140	1.00	0.34	0.40	0.10	10.95	9.4	23
DD015611		0.29	0.005	0.09	1.24	12.0	<0.2	<10	160	1.17	0.34	0.58	0.14	10.00	9.3	23
DD015612		0.31	0.002	0.08	1.11	12.7	<0.2	<10	180	0.96	0.33	0.49	0.10	12.75	10.2	22
DD015613		0.20	0.004	0.12	1.26	9.4	<0.2	<10	190	1.02	0.29	0.45	0.08	13.25	8.0	24
DD015614		0.25	0.002	0.06	1.06	12.4	<0.2	<10	150	1.01	0.33	0.37	0.09	12.70	12.0	20
DD015615		0.28	0.004	0.09	0.67	26.1	<0.2	<10	90	1.49	0.42	0.44	0.16	9.71	12.3	13
DD015616		0.16	0.003	0.11	1.24	13.6	<0.2	<10	190	1.01	0.39	0.63	0.45	13.20	12.7	24
DD015617		0.20	0.006	0.06	1.22	10.5	<0.2	<10	180	0.93	0.41	0.65	0.13	10.70	12.0	23
DD015618		0.24	0.001	0.07	1.25	14.6	<0.2	<10	190	1.20	0.45	0.43	0.09	11.35	13.8	27
DD015619		0.23	0.009	0.12	1.30	12.3	<0.2	<10	160	1.11	0.37	1.16	0.65	13.60	12.2	24
DD015620		0.24	0.006	0.02	1.19	23.2	<0.2	<10	140	0.82	0.48	0.18	0.06	10.45	12.0	23
DD015700		0.28	0.003	0.02	1.24	11.4	<0.2	<10	180	0.82	0.36	0.24	0.05	13.80	10.2	23
DD015701		0.20	0.002	0.04	1.27	14.5	<0.2	<10	190	1.08	0.46	0.28	0.04	11.00	10.7	25
DD015702		0.25	0.004	0.07	0.99	14.6	<0.2	<10	160	1.03	0.42	0.85	0.13	12.60	14.1	20
DD015703		0.28	0.003	0.03	1.47	17.2	<0.2	<10	200	1.46	0.44	0.16	0.06	19.25	15.7	26
DD015704		0.31	0.002	0.01	1.61	14.9	<0.2	<10	110	1.32	0.49	0.08	0.03	13.90	11.9	29
DD015705		0.23	0.002	0.01	1.37	13.5	<0.2	<10	130	1.38	0.50	0.09	0.03	12.85	14.3	25
DD015706		0.16	0.002	0.03	1.26	9.0	<0.2	<10	90	1.36	0.57	0.03	0.04	7.57	12.5	21
DD015707		0.22	0.004	0.02	0.34	16.7	<0.2	<10	20	0.76	0.64	0.01	0.02	3.93	13.1	8
DD015708		0.16	0.001	0.04	0.91	13.0	<0.2	<10	120	1.23	0.48	0.04	0.05	10.85	14.1	16
DD015709		0.26	0.001	0.02	1.21	18.7	<0.2	<10	190	1.08	0.43	0.08	0.04	11.30	12.2	21
DD015710		0.22	0.001	0.01	0.58	6.6	<0.2	<10	100	0.39	0.35	0.04	0.03	6.39	7.3	11
DD015711		0.23	0.002	0.01	1.20	14.1	<0.2	<10	100	1.18	0.52	0.04	0.02	9.82	11.5	23
DD015712		0.15	0.002	0.02	1.53	12.2	<0.2	<10	120	1.26	0.44	0.03	0.04	8.92	13.0	25
DD015713		0.25	0.001	0.03	1.49	14.3	<0.2	<10	80	0.82	0.43	0.02	0.06	13.35	9.5	25
DD015714		0.28	0.006	0.05	1.45	18.1	<0.2	<10	270	1.41	0.48	0.20	0.04	15.15	15.4	25
DD015715		0.27	0.004	0.02	1.61	17.9	<0.2	<10	240	1.49	0.45	0.11	0.06	18.05	12.7	28



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**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160882		0.85	26.5	3.77	4.17	<0.05	0.05	0.17	0.041	0.07	4.4	15.7	0.32	428	0.72	<0.01
CC160883		0.77	22.8	3.36	3.92	<0.05	0.05	0.12	0.032	0.07	5.2	18.6	0.40	298	0.58	<0.01
CC160884		1.36	33.6	4.17	4.41	<0.05	0.05	0.17	0.045	0.08	5.9	18.0	0.37	865	0.72	<0.01
CC160885		0.90	17.4	3.45	4.66	<0.05	0.07	0.07	0.031	0.08	7.4	28.0	0.49	470	0.56	<0.01
CC160886		0.72	28.1	1.72	2.86	<0.05	0.06	0.18	0.024	0.07	5.0	12.5	0.36	157	0.29	<0.01
CC160887		0.58	24.7	2.70	1.95	<0.05	0.04	0.12	0.021	0.07	3.4	7.2	0.40	1840	0.55	0.01
CC160888		1.64	34.7	3.31	3.84	<0.05	0.05	0.18	0.036	0.11	5.5	21.8	0.39	289	0.61	<0.01
CC160889		0.44	29.6	2.61	2.61	<0.05	0.03	0.13	0.024	0.04	4.3	9.5	0.31	1920	0.48	<0.01
CC160890		2.97	98.4	1.45	3.62	<0.05	0.07	0.21	0.024	0.06	9.3	20.4	0.39	266	0.65	0.01
CC160891		0.88	48.6	1.89	2.89	<0.05	0.06	0.29	0.029	0.07	5.2	13.6	0.73	265	0.77	0.01
CC160892		2.51	114.5	0.93	2.51	<0.05	0.07	0.24	0.019	0.04	5.6	9.2	0.21	85	0.56	<0.01
DD015608		0.80	26.1	3.33	4.48	<0.05	0.03	0.07	0.033	0.07	8.4	17.9	0.38	481	0.86	<0.01
DD015609		1.33	30.9	3.61	4.42	<0.05	0.05	0.13	0.036	0.10	6.0	17.4	0.39	331	0.63	<0.01
DD015610		0.95	23.9	4.16	4.32	<0.05	0.06	0.10	0.040	0.10	5.4	19.1	0.40	326	0.51	<0.01
DD015611		1.24	39.6	3.84	4.48	<0.05	0.06	0.18	0.041	0.11	5.2	16.6	0.39	321	0.50	<0.01
DD015612		1.12	39.3	3.87	3.97	<0.05	0.05	0.14	0.042	0.08	4.7	13.9	0.37	620	0.64	<0.01
DD015613		0.99	29.0	3.74	4.42	<0.05	0.05	0.14	0.042	0.08	6.9	17.8	0.40	332	0.59	<0.01
DD015614		0.84	39.1	3.93	4.09	<0.05	0.04	0.10	0.036	0.07	4.9	15.8	0.35	784	0.86	<0.01
DD015615		3.49	44.5	3.02	2.57	<0.05	0.04	0.12	0.046	0.09	4.1	9.8	0.23	769	3.84	<0.01
DD015616		0.99	33.1	3.73	5.00	<0.05	0.04	0.11	0.041	0.08	5.1	24.0	0.43	1020	1.50	<0.01
DD015617		0.66	33.8	3.48	4.63	<0.05	0.05	0.10	0.040	0.09	4.3	22.1	0.42	576	0.73	<0.01
DD015618		0.80	43.3	4.25	4.99	0.05	0.05	0.16	0.045	0.08	5.2	19.8	0.40	533	1.35	<0.01
DD015619		1.49	36.6	3.55	4.84	0.05	0.05	0.40	0.041	0.11	6.7	26.7	0.45	471	1.26	0.01
DD015620		0.69	42.4	4.51	4.66	<0.05	0.04	0.19	0.043	0.07	4.3	15.8	0.34	645	0.58	<0.01
DD015700		0.68	25.4	3.47	4.58	<0.05	0.03	0.12	0.035	0.05	5.7	18.6	0.37	517	0.57	<0.01
DD015701		0.72	30.7	4.19	5.07	<0.05	0.06	0.22	0.043	0.07	4.7	17.6	0.36	387	0.48	<0.01
DD015702		0.77	38.3	3.68	3.63	<0.05	0.05	0.25	0.044	0.11	4.8	14.3	0.57	862	0.51	<0.01
DD015703		0.90	36.8	4.15	5.41	<0.05	0.03	0.39	0.042	0.08	7.7	21.1	0.37	794	0.57	<0.01
DD015704		0.94	35.2	4.24	6.05	<0.05	0.02	0.21	0.041	0.08	5.3	23.9	0.38	516	0.51	<0.01
DD015705		1.11	49.5	4.32	5.52	<0.05	<0.02	0.18	0.044	0.07	5.3	17.1	0.34	737	0.70	<0.01
DD015706		2.50	48.6	3.86	4.82	<0.05	<0.02	0.06	0.048	0.07	3.1	15.4	0.27	270	0.51	<0.01
DD015707		2.50	51.3	2.81	0.98	<0.05	<0.02	0.06	0.051	0.07	1.8	1.6	0.03	136	0.32	<0.01
DD015708		2.44	59.7	3.82	3.81	<0.05	<0.02	0.07	0.046	0.06	4.2	13.5	0.14	470	0.98	<0.01
DD015709		1.60	28.0	3.78	4.56	<0.05	<0.02	1.01	0.032	0.08	5.1	23.2	0.30	555	1.05	<0.01
DD015710		1.29	17.3	3.20	3.14	<0.05	0.02	0.04	0.027	0.05	3.0	2.9	0.06	688	0.64	<0.01
DD015711		1.15	49.6	4.50	4.77	<0.05	<0.02	0.17	0.044	0.06	3.9	15.2	0.29	555	0.57	<0.01
DD015712		1.40	38.4	4.54	4.85	<0.05	0.03	0.09	0.047	0.05	3.6	23.6	0.28	425	0.66	<0.01
DD015713		1.73	31.1	4.08	5.18	<0.05	0.04	0.07	0.040	0.05	6.3	27.5	0.26	472	0.92	<0.01
DD015714		1.02	57.5	4.96	5.20	0.05	0.02	0.22	0.049	0.07	8.2	16.5	0.33	1040	0.74	<0.01
DD015715		1.04	47.9	4.48	5.27	<0.05	0.05	0.31	0.047	0.07	7.2	22.9	0.36	700	0.66	<0.01

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



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**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160882		0.51	22.1	180	20.0	7.7	<0.001	0.01	0.34	4.2	0.5	0.7	18.3	<0.01	0.02	3.3
CC160883		0.49	21.5	310	15.7	7.4	0.001	0.03	0.34	3.5	0.3	0.5	27.4	<0.01	0.03	2.2
CC160884		0.47	24.4	350	22.7	9.8	<0.001	0.02	0.40	5.1	0.5	0.6	20.7	<0.01	0.05	3.2
CC160885		0.55	23.5	390	19.7	9.1	0.002	0.02	0.41	3.7	0.4	0.5	26.7	<0.01	0.01	2.4
CC160886		0.42	17.6	520	16.1	9.9	0.004	0.17	0.25	3.1	2.2	0.4	83.7	<0.01	0.02	1.4
CC160887		0.24	18.7	600	15.7	6.5	0.002	0.19	0.25	2.3	1.5	0.3	121.0	<0.01	0.01	0.9
CC160888		0.52	28.1	380	39.4	18.5	0.003	0.06	0.29	5.7	1.8	0.7	31.9	<0.01	0.01	4.4
CC160889		0.33	17.5	670	18.3	5.8	0.001	0.16	0.33	2.4	0.8	0.4	67.1	<0.01	0.03	0.9
CC160890		0.96	29.4	480	16.4	8.8	0.003	0.33	0.61	4.4	4.6	0.5	48.8	<0.01	0.03	3.3
CC160891		0.44	23.2	490	22.5	5.6	0.002	0.38	0.48	4.3	1.2	0.4	65.8	<0.01	0.04	2.9
CC160892		0.51	27.6	550	12.5	6.3	0.003	0.55	0.62	3.5	2.9	0.4	101.0	<0.01	0.01	1.4
DD015608		0.62	22.7	310	20.8	8.9	<0.001	0.01	0.40	4.6	0.5	0.6	19.7	<0.01	0.02	3.1
DD015609		0.52	23.2	380	20.9	11.8	0.001	0.02	0.33	5.2	0.8	0.7	29.4	<0.01	0.02	3.3
DD015610		0.46	21.3	300	22.1	9.5	0.001	0.02	0.22	5.1	0.4	0.7	25.4	<0.01	0.02	3.7
DD015611		0.46	23.5	380	19.5	9.9	<0.001	0.03	0.32	5.3	0.7	0.7	27.9	<0.01	0.01	3.1
DD015612		0.45	22.1	260	27.8	8.0	<0.001	0.01	0.36	4.7	0.5	0.6	20.5	<0.01	0.03	3.4
DD015613		0.62	23.0	230	16.8	9.0	<0.001	0.01	0.35	4.9	0.4	0.7	19.2	<0.01	0.02	3.4
DD015614		0.47	21.6	230	26.7	7.7	0.001	0.01	0.38	4.4	0.6	0.6	20.5	<0.01	0.02	3.8
DD015615		0.22	22.2	220	51.6	14.7	0.001	0.01	0.49	5.5	1.0	0.4	28.5	<0.01	0.02	4.8
DD015616		0.54	25.7	230	27.2	10.0	<0.001	0.01	0.46	5.5	1.1	0.7	41.2	<0.01	0.02	3.3
DD015617		0.45	21.6	240	25.8	9.5	0.003	0.01	0.33	5.0	1.6	0.7	42.6	<0.01	0.02	3.4
DD015618		0.45	26.9	230	29.7	8.5	0.001	<0.01	0.36	6.3	1.2	0.7	26.8	<0.01	0.02	4.3
DD015619		0.47	25.1	440	26.2	18.6	0.002	0.04	0.37	6.4	3.0	0.7	79.5	<0.01	0.03	2.8
DD015620		0.30	21.5	140	35.8	7.8	0.001	<0.01	0.36	4.4	0.3	0.6	11.1	<0.01	0.02	4.5
DD015700		0.51	20.1	160	24.7	8.2	<0.001	<0.01	0.26	3.6	0.3	0.6	14.5	<0.01	0.02	3.7
DD015701		0.34	23.0	170	25.8	7.7	<0.001	<0.01	0.23	5.6	0.4	0.7	21.1	<0.01	0.03	5.0
DD015702		0.28	25.9	290	26.8	6.7	<0.001	0.01	0.26	6.5	0.7	0.5	44.5	<0.01	0.03	4.9
DD015703		0.31	29.2	190	29.9	10.0	<0.001	<0.01	0.33	7.4	0.8	0.7	11.6	<0.01	0.03	6.0
DD015704		0.30	27.1	170	24.8	10.0	<0.001	<0.01	0.25	5.8	0.5	0.8	8.2	<0.01	0.02	4.8
DD015705		0.29	24.6	140	28.8	9.5	<0.001	<0.01	0.30	7.1	0.9	0.8	10.0	<0.01	0.02	5.3
DD015706		0.18	22.4	150	21.5	12.7	<0.001	<0.01	0.23	5.3	0.3	0.6	9.0	<0.01	0.03	5.5
DD015707		<0.05	18.3	230	37.4	8.0	0.001	<0.01	0.25	4.4	0.5	0.3	14.9	<0.01	0.29	1.7
DD015708		0.25	21.4	230	17.3	12.0	<0.001	<0.01	0.31	5.6	0.3	0.7	9.1	<0.01	0.03	3.7
DD015709		0.28	23.7	160	25.4	10.2	<0.001	<0.01	0.45	4.2	0.4	0.6	9.6	<0.01	0.03	3.9
DD015710		0.34	8.0	140	10.0	9.6	<0.001	<0.01	0.31	2.6	0.2	0.5	5.1	<0.01	0.02	1.8
DD015711		0.28	20.9	140	26.4	9.3	<0.001	<0.01	0.28	6.4	0.3	0.7	10.1	<0.01	0.02	4.6
DD015712		0.27	21.7	140	27.4	13.3	<0.001	<0.01	0.27	4.8	0.5	0.6	6.4	<0.01	0.02	4.2
DD015713		0.64	16.6	170	21.8	18.6	<0.001	<0.01	0.34	3.8	0.3	0.7	6.2	<0.01	0.02	4.1
DD015714		0.25	26.9	130	34.0	11.3	<0.001	<0.01	0.34	8.3	0.7	0.7	13.6	<0.01	0.02	5.8
DD015715		0.34	27.4	140	28.7	10.9	<0.001	<0.01	0.36	7.1	0.6	0.7	9.5	<0.01	0.02	6.6



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160882		0.008	0.07	0.66	21	0.10	4.79	81	1.1
CC160883		0.008	0.06	0.74	22	0.10	5.16	74	1.3
CC160884		0.007	0.07	0.83	23	0.09	6.99	111	1.5
CC160885		0.011	0.07	1.42	26	0.10	5.74	91	1.5
CC160886		0.006	0.06	6.11	16	0.09	6.76	101	1.8
CC160887		<0.005	0.05	4.16	11	<0.05	5.76	84	1.1
CC160888		0.008	0.08	1.37	21	0.09	8.01	119	1.7
CC160889		<0.005	0.05	2.72	18	0.11	6.28	64	1.0
CC160890		0.018	0.14	11.75	32	0.29	8.96	96	3.1
CC160891		0.006	0.10	5.38	19	0.09	7.66	85	2.6
CC160892		0.010	0.15	60.2	16	0.11	8.46	122	2.5
DD015608		0.010	0.07	1.07	29	0.11	7.92	76	0.8
DD015609		0.009	0.07	1.16	23	0.09	7.59	108	1.3
DD015610		0.007	0.07	0.95	24	0.09	7.01	98	1.5
DD015611		0.007	0.07	0.86	22	0.10	8.14	113	1.6
DD015612		0.007	0.06	0.75	21	0.08	5.91	170	1.1
DD015613		0.011	0.07	0.80	26	0.14	6.68	86	1.4
DD015614		0.009	0.06	0.84	22	0.08	5.52	84	1.1
DD015615		<0.005	0.08	0.86	14	<0.05	6.50	95	1.3
DD015616		0.009	0.08	1.13	26	0.09	6.33	95	1.6
DD015617		0.008	0.06	1.29	24	0.08	6.33	93	1.3
DD015618		0.008	0.07	1.18	25	0.10	8.09	107	1.3
DD015619		0.006	0.15	1.36	25	0.08	10.40	123	1.5
DD015620		0.006	0.08	0.50	24	0.05	3.39	103	1.6
DD015700		0.009	0.07	0.79	29	0.09	3.51	82	1.2
DD015701		0.006	0.07	0.61	23	0.06	5.46	96	1.8
DD015702		0.005	0.07	0.43	20	0.06	7.59	100	1.8
DD015703		0.006	0.10	0.87	26	0.06	10.05	99	1.1
DD015704		0.005	0.09	0.63	26	0.06	5.60	83	0.8
DD015705		0.007	0.08	0.76	25	0.07	6.63	92	0.5
DD015706		<0.005	0.08	0.46	18	<0.05	4.14	81	<0.5
DD015707		<0.005	0.06	0.31	10	<0.05	2.29	46	<0.5
DD015708		<0.005	0.07	0.61	24	0.05	4.01	67	0.5
DD015709		0.005	0.10	0.56	24	0.05	3.71	95	<0.5
DD015710		0.007	0.06	0.23	30	0.06	1.85	48	0.6
DD015711		0.006	0.07	0.67	24	0.07	4.00	85	<0.5
DD015712		<0.005	0.09	0.50	25	0.06	3.10	91	1.2
DD015713		0.008	0.12	0.49	31	0.11	2.51	100	1.4
DD015714		0.005	0.11	1.08	26	0.06	11.20	106	0.7
DD015715		0.005	0.11	0.82	27	0.08	8.76	106	1.7



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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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 Finalized Date: 29- JUN- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134653**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015716		0.20	0.003	0.09	1.48	10.5	<0.2	<10	390	1.19	0.39	0.84	0.17	18.60	13.4	24
DD015717		0.28	0.004	0.07	1.25	13.3	<0.2	<10	370	1.28	0.47	0.32	0.05	12.35	12.8	24
DD015718		0.30	0.002	0.05	1.08	20.8	<0.2	<10	220	1.01	0.38	0.34	0.06	16.85	16.7	20
DD015719		0.20	0.002	0.04	1.21	10.1	<0.2	<10	200	0.55	0.35	0.42	0.09	12.65	9.7	24
DD015720		0.21	0.002	0.13	1.21	9.2	<0.2	<10	310	0.74	0.31	0.68	0.14	17.55	9.7	25
DD015721		0.31	0.007	0.15	1.05	6.2	<0.2	<10	520	1.07	0.24	2.39	0.30	10.70	9.3	15
DD015722		0.32	0.002	0.07	1.09	10.8	<0.2	<10	210	1.11	0.40	0.39	0.06	13.60	14.4	21
DD015723		0.36	0.002	0.03	1.21	11.4	<0.2	<10	230	1.01	0.40	0.36	0.04	14.40	12.9	23
DD015724		0.13	0.003	0.03	1.48	9.2	<0.2	<10	170	0.68	0.31	0.16	0.06	19.60	9.9	26
DD015725		0.34	0.001	0.04	1.66	16.0	<0.2	<10	190	1.22	0.47	0.05	0.05	11.95	12.0	27
DD015726		0.22	0.001	0.02	0.83	5.2	<0.2	<10	430	2.09	0.41	0.08	0.01	11.40	6.9	24
DD015727		0.22	0.001	0.02	1.04	9.7	<0.2	<10	90	0.61	0.48	0.06	0.06	13.35	9.6	23
DD015728		0.30	0.004	0.10	1.43	16.4	<0.2	<10	220	1.00	0.37	0.67	0.23	15.10	11.1	26
DD015729		0.34	0.003	0.10	1.53	22.2	<0.2	<10	240	1.24	0.36	0.54	0.17	19.40	13.0	27
DD015730		0.31	0.003	0.09	1.28	18.7	<0.2	<10	170	0.89	0.30	0.63	0.20	16.10	9.8	23
DD015731		0.22	0.002	0.12	1.48	17.7	<0.2	<10	210	1.10	0.35	0.52	0.21	21.3	13.7	27
DD015732		0.32	0.003	0.11	1.23	12.5	<0.2	<10	230	1.22	0.35	0.68	0.18	15.50	12.0	23
DD015733		0.20	0.003	0.12	1.20	9.5	<0.2	<10	160	1.09	0.33	1.25	0.21	17.25	11.4	23
DD015734		0.18	0.002	0.11	1.78	12.7	<0.2	<10	320	0.80	0.30	0.82	0.14	17.10	9.1	24
DD015735		0.22	0.001	0.05	0.93	7.4	<0.2	<10	90	0.45	0.32	0.02	0.04	10.85	6.0	21
DD015736		0.18	0.001	0.03	1.42	4.9	<0.2	<10	220	0.89	0.27	0.03	0.06	9.83	18.3	20
DD015737		0.19	0.001	0.02	1.10	12.5	<0.2	<10	260	0.64	0.32	0.06	0.05	12.70	9.8	20
DD015738		0.23	0.001	0.03	1.59	9.2	<0.2	<10	140	0.61	0.33	0.04	0.04	14.85	7.4	24
DD015739		0.23	0.005	0.03	1.43	5.8	<0.2	<10	110	0.91	0.33	0.03	0.05	8.24	8.2	23
DD015740		0.24	0.002	0.04	1.26	6.1	<0.2	<10	150	0.48	0.27	0.06	0.03	18.50	4.9	21
DD015741		0.24	0.016	0.01	0.86	4.1	<0.2	<10	200	0.73	0.35	0.02	0.03	5.49	5.5	26
DD015742		0.28	0.004	0.01	1.49	12.0	<0.2	<10	280	1.51	0.45	0.04	0.04	13.55	9.9	27
DD015743		0.31	0.002	0.06	1.72	13.0	<0.2	<10	460	1.70	0.52	0.07	0.04	12.95	15.1	28
DD015744		0.24	0.001	0.11	1.74	9.3	<0.2	<10	140	0.89	0.36	0.13	0.05	10.10	10.0	25
DD015745		0.25	<0.001	0.01	1.11	16.8	<0.2	<10	80	0.71	0.41	0.02	0.04	9.26	9.1	22
DD015746		0.40	0.003	0.02	1.72	15.6	<0.2	<10	210	1.46	0.42	0.21	0.10	22.2	16.7	29
DD015747		0.24	0.002	0.03	1.29	10.9	<0.2	<10	150	0.89	0.38	0.12	0.10	12.45	9.6	23



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015716		0.65	32.2	3.49	5.10	<0.05	0.04	0.25	0.040	0.08	9.0	32.0	0.42	660	0.62	0.01
DD015717		0.80	61.0	4.68	4.30	<0.05	0.07	0.16	0.049	0.08	6.5	15.8	0.34	1040	0.65	<0.01
DD015718		0.77	36.8	4.37	3.95	<0.05	0.05	0.13	0.040	0.07	7.7	12.6	0.30	1020	0.61	<0.01
DD015719		0.64	19.7	3.58	5.01	<0.05	0.03	0.05	0.033	0.06	6.3	13.2	0.37	458	0.76	<0.01
DD015720		0.59	25.5	3.19	4.36	<0.05	0.04	0.07	0.031	0.07	9.9	21.9	0.48	339	0.72	0.01
DD015721		0.54	37.5	2.49	2.95	<0.05	0.05	0.13	0.029	0.06	5.3	10.3	0.36	2920	0.48	0.01
DD015722		0.76	51.0	4.30	4.19	<0.05	0.05	0.13	0.041	0.09	6.3	13.5	0.32	723	0.67	<0.01
DD015723		0.55	37.8	4.11	4.84	<0.05	0.05	0.09	0.041	0.07	6.9	19.8	0.38	517	0.63	0.01
DD015724		0.62	18.1	3.44	5.04	<0.05	0.05	0.03	0.032	0.06	10.0	21.2	0.42	381	0.71	<0.01
DD015725		1.22	54.1	4.42	6.13	<0.05	0.06	0.14	0.044	0.06	5.5	21.2	0.35	381	0.79	<0.01
DD015726		2.08	21.0	3.68	3.42	<0.05	0.02	0.04	0.023	0.07	7.1	7.2	0.14	620	0.84	<0.01
DD015727		0.84	25.9	4.11	5.97	<0.05	<0.02	0.02	0.042	0.07	6.2	9.2	0.28	282	0.94	<0.01
DD015728		0.96	22.7	3.69	5.38	<0.05	0.06	0.17	0.035	0.11	7.0	24.6	0.49	385	0.67	0.01
DD015729		0.74	30.1	3.85	5.54	0.05	0.07	0.28	0.035	0.12	9.5	24.6	0.60	604	0.73	0.01
DD015730		0.96	22.7	3.45	4.98	<0.05	0.06	0.21	0.031	0.13	6.8	23.7	0.43	386	0.65	0.01
DD015731		0.97	25.0	4.09	5.26	0.06	0.05	0.16	0.037	0.11	9.2	27.4	0.52	1140	0.75	0.01
DD015732		1.20	35.6	4.24	3.77	<0.05	0.05	0.30	0.045	0.13	6.6	17.9	0.42	798	0.81	0.01
DD015733		1.24	33.1	3.48	3.77	<0.05	0.06	0.11	0.032	0.13	7.3	17.9	0.58	721	0.88	0.01
DD015734		0.90	11.1	3.43	4.75	<0.05	0.03	0.05	0.032	0.05	7.6	14.6	0.24	1180	0.76	0.01
DD015735		2.50	12.2	4.06	4.52	<0.05	0.02	0.04	0.028	0.06	4.9	8.2	0.14	364	0.88	0.01
DD015736		2.24	10.3	4.03	4.39	<0.05	0.02	0.02	0.044	0.06	4.2	20.5	0.27	1380	0.54	0.01
DD015737		0.74	24.9	3.71	4.73	<0.05	<0.02	0.05	0.032	0.07	5.1	12.8	0.23	630	0.99	0.01
DD015738		1.08	22.0	3.98	5.28	<0.05	0.04	0.03	0.032	0.05	6.5	18.9	0.25	312	1.03	0.01
DD015739		2.17	26.7	4.27	4.00	<0.05	0.03	0.04	0.035	0.06	3.9	23.3	0.28	376	0.71	<0.01
DD015740		1.53	11.0	2.76	4.36	<0.05	0.02	0.01	0.022	0.04	8.7	13.7	0.26	226	0.65	0.01
DD015741		3.83	9.7	4.64	2.95	<0.05	0.02	0.03	0.039	0.06	2.5	8.6	0.14	196	0.75	<0.01
DD015742		1.31	43.7	5.29	4.87	<0.05	0.02	0.09	0.048	0.07	5.6	15.2	0.27	258	0.67	0.01
DD015743		1.30	55.7	5.21	5.07	<0.05	0.03	0.09	0.050	0.07	5.3	18.6	0.33	566	0.66	0.01
DD015744		1.58	17.0	4.62	5.51	<0.05	0.03	0.03	0.037	0.06	4.4	30.7	0.28	319	0.80	0.01
DD015745		1.35	35.9	4.45	5.00	<0.05	0.04	0.11	0.035	0.08	4.2	12.7	0.24	331	0.66	0.01
DD015746		1.00	31.9	4.61	5.41	<0.05	0.03	0.17	0.038	0.10	7.5	24.9	0.45	926	0.67	0.01
DD015747		0.94	28.1	4.28	4.80	<0.05	<0.02	0.31	0.033	0.09	5.3	15.4	0.28	470	0.69	0.01

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015716		0.53	25.2	290	26.9	10.2	<0.001	0.02	0.30	5.5	1.1	0.7	47.0	<0.01	0.04	3.1
DD015717		0.25	26.7	300	35.9	8.3	<0.001	<0.01	0.26	8.5	0.9	0.7	21.2	<0.01	0.02	5.8
DD015718		0.35	21.8	240	42.9	8.2	<0.001	<0.01	0.42	5.1	0.5	0.6	24.4	<0.01	0.04	5.8
DD015719		0.67	17.5	160	20.9	9.7	0.001	<0.01	0.26	3.5	0.2	0.6	23.2	0.01	0.02	3.6
DD015720		0.80	24.2	280	17.3	8.4	<0.001	0.02	0.43	4.3	0.7	0.5	30.1	<0.01	0.03	2.8
DD015721		0.35	25.6	650	17.0	7.1	<0.001	0.10	0.34	3.7	1.0	0.4	104.0	<0.01	0.02	1.2
DD015722		0.46	27.5	250	24.8	8.7	<0.001	<0.01	0.27	6.6	0.5	0.6	25.7	<0.01	0.03	5.2
DD015723		0.58	24.2	140	23.8	8.5	<0.001	<0.01	0.31	5.6	0.5	0.7	18.5	<0.01	0.03	4.8
DD015724		0.71	20.5	130	18.6	10.0	<0.001	<0.01	0.33	3.4	0.3	0.6	11.3	<0.01	0.02	4.7
DD015725		0.40	25.8	150	25.2	14.2	<0.001	<0.01	0.34	5.4	0.6	0.8	7.9	<0.01	0.03	4.8
DD015726		0.64	10.6	100	20.5	13.9	<0.001	<0.01	0.26	4.6	0.5	0.8	9.7	<0.01	0.02	4.3
DD015727		0.46	17.1	200	15.7	12.9	<0.001	<0.01	0.28	4.7	0.4	0.6	11.0	<0.01	0.03	3.6
DD015728		0.50	26.6	400	22.5	10.6	<0.001	0.02	0.41	4.7	0.8	0.7	26.3	<0.01	0.02	3.6
DD015729		0.40	31.3	300	28.4	9.4	<0.001	<0.01	0.45	6.4	1.0	0.7	21.3	<0.01	0.03	5.4
DD015730		0.46	23.7	500	15.2	13.0	<0.001	0.03	0.33	5.0	0.6	0.6	29.2	<0.01	0.03	4.2
DD015731		0.53	30.0	600	21.0	10.3	0.001	0.02	0.44	4.9	1.0	0.6	23.9	<0.01	0.03	3.9
DD015732		0.45	26.3	460	22.2	11.9	<0.001	0.02	0.36	6.0	0.9	0.6	23.1	<0.01	0.03	4.0
DD015733		0.62	25.6	450	24.4	15.8	0.001	0.04	0.37	4.9	0.8	0.6	28.3	<0.01	0.02	3.9
DD015734		0.71	18.9	380	19.2	8.7	<0.001	0.02	0.31	3.3	0.5	0.6	19.4	<0.01	0.04	2.5
DD015735		0.73	10.9	210	13.2	12.7	0.001	0.01	0.31	2.4	0.2	0.7	4.9	<0.01	0.03	2.5
DD015736		0.48	17.0	120	13.5	13.5	<0.001	<0.01	0.22	5.4	0.2	0.6	6.1	<0.01	0.05	2.8
DD015737		0.46	14.2	240	18.4	14.8	<0.001	<0.01	0.27	2.9	0.4	0.6	7.7	<0.01	0.02	2.7
DD015738		0.70	14.3	140	19.7	12.8	0.001	<0.01	0.33	2.8	0.2	0.7	5.2	<0.01	0.03	3.3
DD015739		0.45	18.9	140	11.9	11.1	0.001	0.01	0.32	2.9	0.4	0.5	5.4	<0.01	0.03	2.6
DD015740		0.81	11.9	110	14.4	14.0	0.001	<0.01	0.28	2.2	0.4	0.6	6.6	<0.01	0.02	3.1
DD015741		0.63	11.2	180	11.6	11.3	<0.001	0.01	0.35	3.0	0.3	0.7	5.5	<0.01	0.03	2.2
DD015742		0.36	23.6	130	24.3	11.9	<0.001	0.01	0.29	5.4	0.6	0.7	7.6	<0.01	0.05	4.6
DD015743		0.29	30.9	130	29.0	12.1	0.001	<0.01	0.29	6.4	0.7	0.7	8.5	<0.01	0.04	4.6
DD015744		0.66	18.2	220	24.4	15.5	<0.001	0.01	0.30	2.7	<0.2	0.7	5.8	<0.01	0.03	2.8
DD015745		0.49	19.5	180	15.9	12.2	0.001	<0.01	0.34	3.6	0.4	0.7	6.0	<0.01	0.02	2.8
DD015746		0.36	31.0	280	30.9	10.2	0.001	0.01	0.37	5.0	0.6	0.7	12.1	<0.01	0.02	4.6
DD015747		0.47	17.8	240	20.3	11.0	<0.001	0.01	0.31	3.3	0.3	0.7	9.6	<0.01	0.05	3.1

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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015716		0.007	0.08	1.40	28	0.09	10.20	80	1.1
DD015717		<0.005	0.09	0.75	23	0.07	12.65	121	2.2
DD015718		0.006	0.10	1.08	22	0.07	5.95	89	1.5
DD015719		0.014	0.07	0.64	33	0.13	3.19	83	0.9
DD015720		0.022	0.06	1.23	32	0.15	5.52	76	1.1
DD015721		0.005	0.06	5.54	18	0.11	9.20	48	1.4
DD015722		0.007	0.08	0.75	24	0.09	8.00	95	1.7
DD015723		0.010	0.07	0.63	27	0.11	5.30	85	1.7
DD015724		0.017	0.08	0.58	38	0.13	3.60	77	1.8
DD015725		0.005	0.12	0.80	28	0.08	4.71	104	1.9
DD015726		0.012	0.06	0.92	32	0.18	6.89	32	0.7
DD015727		0.009	0.06	0.50	30	0.10	3.42	78	0.5
DD015728		0.008	0.10	1.14	29	0.07	7.12	156	1.8
DD015729		0.007	0.11	0.66	29	0.06	11.55	114	2.4
DD015730		0.008	0.11	0.99	26	0.06	6.99	123	2.1
DD015731		0.012	0.10	1.04	32	0.09	9.40	126	1.6
DD015732		0.008	0.12	0.60	28	0.09	8.27	114	1.5
DD015733		0.010	0.24	0.73	28	0.17	8.06	126	1.8
DD015734		0.008	0.14	0.85	53	0.13	5.90	108	0.8
DD015735		0.012	0.07	0.35	34	0.12	1.76	52	0.7
DD015736		0.007	0.08	0.42	49	0.08	3.43	84	1.1
DD015737		0.008	0.08	0.60	29	0.08	2.79	90	0.5
DD015738		0.012	0.11	0.45	42	0.14	2.38	62	1.2
DD015739		0.008	0.08	0.31	25	0.08	2.11	80	1.0
DD015740		0.018	0.09	0.54	39	0.13	2.31	49	0.9
DD015741		0.011	0.06	0.38	27	0.14	1.59	47	0.5
DD015742		0.006	0.09	0.68	32	0.08	4.94	83	1.0
DD015743		0.005	0.10	0.67	31	0.06	6.03	106	1.2
DD015744		0.006	0.11	0.40	36	0.10	1.96	94	1.0
DD015745		0.010	0.08	0.39	30	0.06	2.67	85	1.6
DD015746		0.007	0.11	0.83	31	0.06	7.79	124	1.3
DD015747		0.008	0.08	0.55	32	0.09	3.77	86	<0.5



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**  
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**VANCOUVER BC V6B 1L8**

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**Finalized Date: 29- JUN- 2012**  
**Account: MTT**

Project: Crag East 1

<b>CERTIFICATE OF ANALYSIS WH12134653</b>
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	<b>CERTIFICATE COMMENTS</b>
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Applies to Method:	
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**Finalized Date: 22- JUN- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12134654**

Project: Crag East 1  
 P.O. No.:  
 This report is for 28 Soil samples submitted to our lab in Whitehorse, YT, Canada on 15- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 22- JUN- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134654**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015965		0.07	0.005	0.06	0.84	19.0	<0.2	<10	140	0.67	0.22	1.78	0.20	9.64	8.3	16
DD015966		0.21	0.003	0.08	0.89	8.9	<0.2	10	180	0.76	0.17	3.61	0.27	8.02	6.2	14
DD015967		0.32	0.001	0.04	1.20	12.9	<0.2	<10	200	0.93	0.32	0.72	0.08	15.40	12.2	23
DD015968		0.20	0.007	0.06	0.48	3.1	<0.2	<10	150	0.37	0.08	4.42	0.30	3.65	2.5	7
DD015969		0.22	0.007	0.03	1.29	14.5	<0.2	<10	150	0.88	0.33	0.55	0.10	13.25	11.1	24
DD015970		0.13	0.006	0.08	1.01	11.3	<0.2	10	80	0.83	0.22	2.00	0.24	7.91	6.8	17
DD015971		0.07	0.002	0.10	0.88	20.4	<0.2	<10	150	0.62	0.19	2.12	0.23	8.16	6.1	14
DD015972		0.30	0.002	0.08	1.32	14.5	<0.2	<10	340	0.63	0.25	0.86	0.16	16.25	9.4	25
DD015973		0.20	<0.001	0.07	1.56	11.4	<0.2	<10	340	0.89	0.24	0.47	0.09	19.00	8.0	24
DD015974		0.11	0.001	0.92	1.57	142.5	<0.2	10	150	0.78	0.18	5.00	2.10	17.70	6.6	21
DD015975		0.22	0.001	0.62	1.64	131.5	<0.2	<10	120	0.85	0.25	2.80	3.27	21.8	7.7	22
DD015976		0.13	0.003	0.32	1.72	71.6	<0.2	<10	190	0.95	0.25	1.83	1.37	24.1	9.6	25
DD015977		0.18	0.004	9.12	2.53	473	<0.2	10	260	1.35	0.27	3.38	14.40	31.3	11.4	29
DD015978		0.13	0.002	1.73	0.99	190.5	<0.2	<10	170	0.53	0.19	4.11	1.53	12.70	7.1	16
DD015979		0.19	0.002	0.91	1.44	166.0	<0.2	<10	150	1.08	0.26	0.86	1.34	24.9	8.5	24
DD015980		0.17	0.003	1.36	1.30	165.5	<0.2	<10	130	0.84	0.22	4.23	2.30	21.6	8.2	20
DD015981		0.16	0.003	0.88	1.18	167.5	<0.2	<10	190	0.75	0.25	3.19	1.53	16.30	10.5	20
DD015982		0.20	0.004	1.01	0.95	182.5	<0.2	<10	120	0.90	0.27	4.41	2.61	12.65	12.0	18
DD015983		0.23	0.002	0.93	1.34	162.0	<0.2	<10	120	1.00	0.31	2.77	1.91	16.80	12.1	24
DD015984		0.26	0.001	0.37	1.62	84.8	<0.2	<10	210	1.10	0.28	0.39	1.45	22.7	11.7	27
DD015985		0.23	0.001	0.04	1.44	12.3	<0.2	<10	260	0.68	0.29	0.24	0.16	13.05	12.3	25
DD015986		0.18	<0.001	0.03	1.52	10.2	<0.2	<10	400	0.64	0.32	0.27	0.11	12.45	11.7	27
DD015987		0.23	0.002	0.25	1.40	15.4	<0.2	<10	340	0.99	0.22	1.63	0.43	13.40	7.1	24
DD015988		0.08	0.001	3.03	1.06	197.5	<0.2	<10	190	0.84	0.18	3.33	15.80	15.45	8.5	15
DD015989		0.16	0.002	1.35	1.60	130.0	<0.2	<10	140	1.35	0.36	1.84	1.78	16.55	14.8	26
DD015990		0.21	0.002	5.03	0.85	358	<0.2	<10	80	0.59	0.12	13.05	5.34	8.17	5.4	12
DD015991		0.18	0.003	0.64	1.82	88.7	<0.2	<10	200	1.24	0.33	0.35	0.66	22.2	14.2	31
DD015992		0.19	0.002	8.94	0.66	326	<0.2	<10	70	0.46	0.06	15.60	14.60	10.85	3.6	8

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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134654**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015965		2.90	20.3	2.51	2.43	<0.05	0.04	0.55	0.024	0.06	3.9	11.0	0.25	515	0.47	<0.01
DD015966		1.33	30.4	1.93	2.52	<0.05	0.03	0.12	0.020	0.06	4.2	10.9	0.49	421	0.41	<0.01
DD015967		0.75	32.2	3.63	3.69	0.05	0.05	0.09	0.034	0.07	6.0	18.2	0.42	1010	0.55	<0.01
DD015968		0.80	18.6	0.77	1.22	<0.05	0.03	0.07	0.009	0.03	2.5	2.9	0.18	170	0.39	<0.01
DD015969		1.09	29.7	3.65	4.59	0.05	0.05	0.09	0.031	0.08	5.7	22.6	0.37	600	0.57	<0.01
DD015970		1.79	30.2	2.39	3.06	<0.05	0.04	0.12	0.023	0.08	4.4	15.2	0.36	397	0.59	<0.01
DD015971		2.10	19.1	1.99	2.65	<0.05	0.03	0.33	0.019	0.05	3.9	10.2	0.26	357	0.45	<0.01
DD015972		0.64	19.2	3.12	3.95	<0.05	0.03	0.05	0.028	0.05	6.8	19.7	0.43	700	0.74	<0.01
DD015973		0.82	15.0	2.94	4.96	0.05	0.03	0.06	0.026	0.07	10.9	18.6	0.38	356	0.67	<0.01
DD015974		1.07	9.5	2.82	3.59	<0.05	0.05	0.71	0.023	0.05	7.8	11.7	3.01	2400	0.75	<0.01
DD015975		3.99	8.8	3.36	4.36	<0.05	0.05	1.28	0.027	0.04	8.8	14.4	1.75	2230	0.70	<0.01
DD015976		1.03	13.3	3.54	4.74	0.05	0.06	0.52	0.033	0.08	9.4	15.3	1.24	1710	0.69	<0.01
DD015977		1.58	14.4	4.43	6.21	0.06	0.09	3.01	0.034	0.10	14.2	18.0	2.11	5040	0.62	<0.01
DD015978		3.37	12.9	2.49	2.62	<0.05	0.03	1.22	0.023	0.06	5.1	8.8	1.40	1820	0.46	<0.01
DD015979		1.47	11.7	3.56	4.20	0.05	0.06	1.14	0.029	0.08	12.8	12.5	0.65	1150	0.80	<0.01
DD015980		1.55	12.8	3.11	3.66	0.05	0.06	1.10	0.030	0.06	11.0	11.8	2.46	1590	0.75	<0.01
DD015981		2.42	21.7	2.99	3.47	0.05	0.04	0.98	0.028	0.05	7.4	15.6	1.77	1120	0.67	<0.01
DD015982		1.50	31.3	3.41	2.84	<0.05	0.06	2.22	0.035	0.06	5.6	11.2	2.64	1720	0.57	<0.01
DD015983		1.57	24.9	3.89	3.62	<0.05	0.07	1.48	0.034	0.08	7.7	15.2	1.74	1440	0.72	<0.01
DD015984		0.68	14.3	3.78	4.69	<0.05	0.07	1.09	0.035	0.08	8.0	17.7	0.44	1660	0.76	<0.01
DD015985		0.60	13.2	3.65	4.46	<0.05	0.02	0.03	0.029	0.11	5.9	23.8	0.34	644	0.95	<0.01
DD015986		0.63	11.0	3.64	4.73	<0.05	0.04	0.03	0.029	0.10	5.2	20.5	0.29	998	1.06	<0.01
DD015987		0.63	27.9	2.71	3.89	<0.05	0.04	0.15	0.025	0.06	9.5	19.1	0.66	392	0.71	<0.01
DD015988		0.64	22.0	2.89	2.91	<0.05	0.03	2.85	0.023	0.04	7.4	8.3	0.75	2960	0.61	<0.01
DD015989		0.46	37.4	4.40	4.53	<0.05	0.07	3.41	0.041	0.06	8.0	16.2	1.24	1750	0.71	<0.01
DD015990		0.55	9.3	2.06	2.30	<0.05	0.05	8.29	0.012	0.04	4.4	7.7	7.96	2800	0.32	<0.01
DD015991		0.83	30.0	4.39	5.65	<0.05	0.08	1.21	0.037	0.07	12.4	18.0	0.50	966	0.95	<0.01
DD015992		0.46	9.6	1.48	1.66	<0.05	0.02	5.35	0.009	0.02	5.4	2.8	9.55	3370	0.30	0.01

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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134654**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD015965		0.50	18.3	340	16.9	8.6	0.001	0.07	0.53	3.0	0.8	0.4	47.2	<0.01	0.02	1.7
DD015966		0.40	18.3	610	10.3	7.5	0.001	0.12	0.36	1.5	1.1	0.4	81.2	<0.01	0.01	0.5
DD015967		0.97	22.3	170	22.0	7.2	<0.001	<0.01	0.34	4.1	0.6	0.5	27.5	<0.01	0.02	3.4
DD015968		0.19	10.8	650	3.7	3.5	<0.001	0.13	0.28	0.5	1.2	0.2	142.5	<0.01	0.02	0.2
DD015969		0.89	23.1	170	19.6	11.1	<0.001	<0.01	0.37	4.0	0.5	0.6	26.7	<0.01	0.04	3.1
DD015970		0.55	17.5	560	13.8	12.2	<0.001	0.09	0.50	2.7	0.8	0.4	58.4	<0.01	0.03	0.9
DD015971		0.48	14.1	580	12.3	8.0	0.001	0.09	0.84	1.8	0.9	0.4	58.8	<0.01	0.01	0.7
DD015972		0.84	19.6	320	20.2	7.7	<0.001	0.01	0.83	2.9	0.5	0.5	31.5	<0.01	0.03	2.1
DD015973		0.90	17.9	200	17.9	10.9	<0.001	<0.01	0.69	4.0	0.8	0.6	15.0	<0.01	0.03	3.2
DD015974		0.47	16.1	740	185.0	8.3	<0.001	0.04	27.8	2.7	0.8	0.4	30.0	<0.01	0.04	1.2
DD015975		0.56	19.2	270	139.5	7.5	0.001	<0.01	16.70	3.6	1.4	0.5	19.8	<0.01	0.04	2.8
DD015976		0.77	20.9	200	78.8	10.8	<0.001	<0.01	8.30	4.6	0.7	0.6	16.3	<0.01	0.03	4.0
DD015977		0.66	27.8	370	964	13.4	0.001	0.01	71.5	7.7	1.6	0.7	25.5	<0.01	0.05	4.5
DD015978		0.42	15.8	780	242	10.2	<0.001	0.06	12.40	2.4	0.6	0.3	56.4	<0.01	0.04	0.8
DD015979		0.59	21.0	170	162.0	11.7	<0.001	<0.01	15.55	6.6	1.4	0.6	11.2	<0.01	0.04	4.8
DD015980		0.61	20.0	310	177.5	7.7	<0.001	0.01	16.55	5.5	1.0	0.5	27.8	<0.01	0.02	3.3
DD015981		0.48	22.1	460	82.5	7.1	<0.001	0.02	14.25	3.2	1.1	0.4	26.5	<0.01	0.03	1.3
DD015982		0.38	23.5	390	132.0	6.6	<0.001	0.01	19.85	5.7	1.0	0.5	24.7	<0.01	0.04	3.1
DD015983		0.51	26.0	290	98.4	8.4	<0.001	0.01	22.0	5.9	1.3	0.5	21.2	<0.01	0.04	3.9
DD015984		0.64	25.3	130	113.5	11.3	<0.001	<0.01	11.75	5.5	0.8	0.6	10.3	<0.01	0.04	4.9
DD015985		0.73	18.7	180	20.6	11.4	<0.001	<0.01	0.58	2.6	0.2	0.6	14.7	<0.01	0.04	3.1
DD015986		0.60	17.0	160	21.0	9.9	<0.001	<0.01	0.37	3.0	0.3	0.7	16.2	<0.01	0.03	3.2
DD015987		0.66	20.7	460	19.7	6.6	<0.001	0.02	3.57	3.3	1.2	0.4	32.2	<0.01	0.02	1.2
DD015988		0.44	15.2	820	323	6.7	<0.001	0.06	42.4	2.5	1.2	0.4	40.7	<0.01	0.05	0.6
DD015989		0.50	28.7	320	295	7.2	<0.001	<0.01	56.4	6.4	1.0	0.6	15.6	<0.01	0.04	3.8
DD015990		0.24	13.6	1140	368	6.8	0.001	0.02	89.1	2.8	0.9	0.3	69.5	<0.01	0.03	0.9
DD015991		0.81	30.5	110	107.5	10.8	<0.001	<0.01	23.7	6.8	0.9	0.7	9.8	<0.01	0.05	5.3
DD015992		0.09	10.6	1910	923	3.0	0.001	0.04	237	1.3	1.3	0.2	68.0	<0.01	0.02	0.2



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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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 Finalized Date: 22- JUN- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134654**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015965		0.007	0.55	0.94	17	0.07	4.96	61	1.1
DD015966		0.006	0.07	1.77	13	0.06	6.34	43	1.0
DD015967		0.015	0.07	0.55	24	0.11	5.99	71	1.5
DD015968		0.005	0.04	1.57	6	<0.05	3.96	19	0.9
DD015969		0.012	0.09	0.52	25	0.11	5.12	77	1.3
DD015970		0.008	0.09	1.18	19	0.09	6.18	103	1.0
DD015971		0.008	0.33	1.15	17	0.11	4.50	59	1.0
DD015972		0.018	0.07	0.84	32	0.15	3.95	83	0.9
DD015973		0.010	0.14	1.09	32	0.13	8.79	82	1.2
DD015974		0.011	0.76	0.93	34	0.14	14.40	551	1.3
DD015975		0.013	1.32	0.77	36	0.18	10.05	1420	1.4
DD015976		0.013	0.57	0.60	36	0.13	8.11	537	2.0
DD015977		0.011	1.63	1.04	45	0.18	25.8	3850	2.8
DD015978		0.009	0.81	1.11	23	0.19	7.10	429	0.9
DD015979		0.012	0.57	0.76	38	0.19	15.10	458	2.0
DD015980		0.011	0.62	0.80	32	0.17	16.55	491	1.7
DD015981		0.011	0.30	1.31	25	0.14	8.68	394	0.9
DD015982		0.007	0.52	0.67	21	0.16	9.16	573	1.6
DD015983		0.010	1.00	0.72	30	0.20	11.00	1260	2.0
DD015984		0.011	0.23	0.75	36	0.19	6.11	437	2.3
DD015985		0.011	0.09	0.44	33	0.15	1.82	110	1.1
DD015986		0.010	0.09	0.46	34	0.16	1.95	77	1.2
DD015987		0.016	0.10	1.26	30	0.14	9.36	169	0.9
DD015988		0.012	0.73	1.69	25	0.08	11.85	1660	0.8
DD015989		<0.005	0.88	0.77	30	0.10	13.90	713	1.8
DD015990		0.006	1.64	1.52	17	0.09	17.50	1370	1.3
DD015991		0.012	0.48	1.15	37	0.11	12.45	281	3.5
DD015992		0.006	2.04	2.64	17	0.09	23.4	2480	0.5





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LIMITED  
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Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12134654**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**

**C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

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

**Finalized Date: 25- JUN- 2012**

**This copy reported on**

**19- JUN- 2013**

**Account: MTT**

**Page: 1**

**CERTIFICATE WH12134655**

Project: Crag East 3  
 P.O. No.:  
 This report is for 155 Soil samples submitted to our lab in Whitehorse, YT, Canada on 15- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015553		0.54	19.4	3.86	3.47	0.06	0.08	0.44	0.038	0.11	16.2	11.4	0.92	1110	0.87	0.01
DD015554		0.59	13.3	3.26	3.12	0.05	0.06	0.23	0.034	0.07	11.5	8.8	0.86	1080	0.90	0.01
DD015555		1.09	8.1	2.70	3.52	0.05	0.05	0.28	0.033	0.06	11.6	8.6	0.25	313	0.45	0.01
DD015556		0.55	7.8	2.06	1.28	<0.05	0.02	0.45	0.023	0.05	3.5	2.1	0.03	85	0.46	<0.01
DD015557		0.70	16.6	2.36	0.99	<0.05	0.05	0.68	0.030	0.04	6.2	3.2	0.07	349	0.50	<0.01
DD015558		1.21	17.4	3.92	2.00	<0.05	0.04	0.06	0.035	0.06	6.2	4.4	0.10	380	0.71	<0.01
DD015559		4.77	28.9	3.78	2.42	0.05	0.06	0.17	0.037	0.08	8.1	9.2	0.18	597	0.79	<0.01
DD015560		0.77	14.0	3.77	2.87	0.07	0.07	0.08	0.037	0.08	14.7	8.7	0.12	996	0.70	<0.01
DD015561		1.95	28.3	4.02	4.21	0.06	0.08	0.52	0.037	0.09	10.5	17.1	0.34	649	1.09	<0.01
DD015562		1.15	20.3	3.75	3.72	0.06	0.06	0.76	0.037	0.09	11.9	10.0	0.66	1230	0.98	<0.01
DD015563		0.75	12.2	5.57	3.56	0.08	0.09	0.31	0.026	0.07	21.5	10.9	3.15	3940	0.81	0.01
DD015564		0.90	29.1	3.62	3.71	0.06	0.08	0.40	0.035	0.10	11.0	13.2	0.34	787	1.03	0.01
DD015565		0.79	22.1	3.78	3.80	0.06	0.08	0.48	0.035	0.09	12.7	15.2	0.58	725	1.07	<0.01
DD015566		2.07	21.9	3.24	3.19	0.06	0.05	0.55	0.031	0.07	12.7	12.4	1.30	774	0.94	0.01
DD015567		0.65	7.3	2.64	1.77	<0.05	0.04	0.22	0.019	0.05	10.1	4.5	1.32	1440	0.43	<0.01
DD015568		0.64	17.3	3.47	4.33	0.05	0.09	0.38	0.039	0.07	14.2	10.6	0.29	736	0.93	<0.01
DD015569		0.86	19.3	5.34	6.25	0.08	0.12	0.08	0.041	0.10	17.7	15.8	1.02	4100	1.01	0.01
DD015570		0.84	16.7	3.55	4.58	0.05	0.07	0.31	0.033	0.05	9.5	12.0	0.32	988	1.00	<0.01
DD015571		3.06	15.8	3.13	2.29	<0.05	0.02	0.08	0.027	0.10	6.4	3.4	0.09	249	1.18	<0.01
DD015572		1.02	10.6	3.01	3.27	0.05	0.06	0.17	0.026	0.06	13.6	8.0	1.17	1060	0.70	0.01
DD015573		0.63	5.7	2.89	1.37	0.05	0.07	1.66	0.015	0.03	9.2	1.6	0.08	697	0.33	<0.01
DD015574		0.94	33.4	3.85	4.24	0.06	0.08	0.71	0.037	0.12	11.2	18.4	1.00	781	1.83	0.01
DD015575		0.68	16.2	3.46	4.23	0.05	0.06	0.07	0.035	0.15	13.1	14.9	2.37	1430	1.18	0.01
DD015576		0.78	27.7	4.16	5.16	0.06	0.09	0.32	0.040	0.13	11.1	16.1	0.47	920	1.03	0.01
DD015577		0.57	26.3	3.70	4.21	0.05	0.06	0.39	0.039	0.09	9.3	15.0	0.51	949	0.77	0.01
DD015578		1.40	32.4	3.19	4.48	0.06	0.07	0.25	0.036	0.09	11.5	13.1	0.29	631	0.55	0.01
DD015579		1.15	19.9	2.83	2.95	0.05	0.06	0.35	0.031	0.07	9.3	10.2	0.21	580	0.56	<0.01
DD015621		0.69	9.0	2.05	2.14	<0.05	0.05	0.49	0.027	0.07	7.6	5.1	0.10	410	0.43	<0.01
DD015622		0.91	21.5	3.44	3.70	0.06	0.07	0.29	0.036	0.07	12.5	13.5	0.29	680	0.98	<0.01
DD015623		2.83	29.0	5.22	1.38	0.09	0.07	2.37	0.052	0.06	14.0	3.6	0.07	1680	0.88	<0.01
DD015624		1.59	16.8	3.95	3.19	0.06	0.04	0.11	0.036	0.08	10.1	15.2	0.23	1100	0.91	<0.01
DD015625		0.76	23.1	3.93	3.79	0.07	0.08	0.32	0.039	0.11	13.4	13.2	0.33	899	0.93	0.01
DD015626		0.82	23.9	4.40	3.63	0.07	0.05	0.49	0.043	0.08	12.5	12.0	0.20	991	1.85	<0.01
DD015627		5.45	23.9	3.25	2.56	0.06	0.06	0.28	0.032	0.08	7.1	11.0	0.37	694	0.82	0.01
DD015628		6.46	22.4	4.03	2.26	0.06	0.06	0.24	0.043	0.09	9.7	10.5	0.25	642	0.75	<0.01
DD015629		0.93	18.7	5.11	1.68	0.07	0.11	1.23	0.019	0.07	13.9	3.2	5.94	2350	0.71	0.01
DD015630		0.87	14.0	3.69	3.34	<0.05	0.07	0.33	0.030	0.08	12.3	7.9	2.52	2040	0.97	0.01
DD015631		0.96	27.0	3.39	3.81	<0.05	0.08	0.45	0.035	0.09	7.8	10.3	0.63	448	1.32	<0.01
DD015632		0.82	14.4	2.88	2.18	<0.05	0.07	1.23	0.020	0.06	10.4	5.8	5.57	1780	0.81	0.01
DD015633		0.98	21.3	3.74	3.49	<0.05	0.06	0.27	0.037	0.10	8.8	12.9	0.27	740	1.12	<0.01

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



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 Finalized Date: 25- JUN- 2012  
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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015553		0.52	24.0	270	34.5	8.5	<0.001	0.04	0.60	7.2	0.6	0.5	28.5	0.01	0.08	5.0
DD015554		0.49	18.6	280	27.9	7.9	<0.001	0.04	0.57	5.1	0.6	0.4	30.4	<0.01	0.03	3.5
DD015555		0.60	17.5	420	25.2	9.0	<0.001	0.04	0.71	4.1	0.5	0.5	33.0	<0.01	0.03	2.0
DD015556		0.15	16.1	130	18.8	5.2	<0.001	0.03	0.10	1.6	0.2	0.4	9.7	<0.01	0.01	3.2
DD015557		0.19	21.7	300	21.3	3.2	<0.001	0.04	1.02	4.7	0.4	0.2	30.4	<0.01	0.03	3.9
DD015558		0.32	20.7	210	11.9	7.3	<0.001	0.03	0.24	5.4	0.3	0.2	16.6	<0.01	0.06	2.5
DD015559		0.40	28.3	310	25.0	13.6	<0.001	0.03	0.42	6.7	0.5	0.4	21.7	<0.01	0.06	3.2
DD015560		0.34	19.6	180	31.5	9.7	<0.001	0.03	0.35	5.6	0.5	0.4	12.9	<0.01	0.04	5.6
DD015561		0.54	29.1	270	24.4	12.2	<0.001	0.03	0.53	6.5	0.7	0.6	18.2	<0.01	0.04	4.5
DD015562		0.46	19.8	360	26.7	12.9	<0.001	0.03	0.59	4.9	0.6	0.5	18.5	<0.01	0.04	3.1
DD015563		0.53	17.9	940	25.0	7.7	<0.001	0.06	1.71	4.5	0.8	0.4	31.5	0.01	0.06	2.2
DD015564		0.47	27.2	490	27.1	8.5	<0.001	0.06	0.85	5.0	1.0	0.5	25.0	<0.01	0.05	2.0
DD015565		0.56	24.7	420	24.6	11.0	<0.001	0.04	0.69	5.4	0.9	0.5	23.1	<0.01	0.04	3.0
DD015566		0.47	20.8	880	23.1	12.1	<0.001	0.07	0.90	3.6	1.0	0.4	56.8	<0.01	0.04	1.1
DD015567		0.25	9.5	520	20.5	9.0	<0.001	0.05	0.96	2.2	0.4	0.2	30.9	<0.01	0.02	1.0
DD015568		0.61	24.3	350	23.5	6.8	<0.001	0.05	0.74	5.7	0.7	0.5	33.1	<0.01	0.04	3.8
DD015569		0.73	22.8	580	34.5	14.5	<0.001	0.05	0.81	6.0	0.6	0.7	13.1	0.01	0.06	3.0
DD015570		0.66	21.7	150	29.2	9.6	<0.001	0.02	0.51	4.8	0.5	0.6	12.6	<0.01	0.04	4.0
DD015571		0.39	17.8	240	25.3	15.9	<0.001	0.03	0.36	2.8	0.4	0.5	12.9	<0.01	0.03	3.1
DD015572		0.50	15.8	460	32.2	7.3	<0.001	0.04	0.78	4.1	0.5	0.4	34.7	<0.01	0.03	2.5
DD015573		0.10	11.2	180	24.2	2.5	<0.001	0.02	1.57	3.8	0.4	0.2	4.4	<0.01	0.02	3.2
DD015574		0.46	34.2	360	30.4	9.0	<0.001	0.04	0.80	6.3	0.9	0.6	36.3	<0.01	0.04	4.5
DD015575		0.51	21.8	420	24.3	10.8	<0.001	0.04	0.63	4.9	0.5	0.6	27.3	<0.01	0.04	2.7
DD015576		0.66	29.0	210	27.7	10.9	<0.001	0.03	0.52	6.7	0.7	0.7	18.7	<0.01	0.04	4.5
DD015577		0.56	24.2	540	26.7	9.0	<0.001	0.06	0.58	4.7	0.8	0.5	46.9	<0.01	0.04	1.9
DD015578		0.55	25.6	500	24.0	10.2	<0.001	0.05	0.57	4.6	0.9	0.6	59.3	<0.01	0.03	1.9
DD015579		0.48	21.3	430	22.5	8.3	<0.001	0.08	0.54	3.7	1.2	0.4	77.7	<0.01	0.03	1.6
DD015621		0.28	13.3	330	19.5	7.4	<0.001	0.04	0.74	3.2	0.4	0.3	31.2	<0.01	0.03	2.2
DD015622		0.57	26.7	220	23.8	8.4	<0.001	0.02	0.50	5.6	0.8	0.5	19.7	<0.01	0.03	4.8
DD015623		0.11	49.8	220	76.9	5.9	0.001	0.03	0.38	13.2	1.2	0.4	34.1	0.01	0.03	7.1
DD015624		0.62	22.1	300	29.1	15.4	<0.001	0.02	0.49	4.9	0.5	0.4	12.3	<0.01	0.04	3.5
DD015625		0.51	26.7	460	26.4	9.7	<0.001	0.04	0.59	6.8	0.7	0.5	25.4	0.01	0.05	3.2
DD015626		0.31	26.9	260	37.0	11.3	<0.001	0.03	0.56	7.3	1.0	0.5	15.5	<0.01	0.04	5.1
DD015627		0.40	23.8	550	21.1	15.9	<0.001	0.08	0.60	4.3	0.9	0.4	40.1	<0.01	0.04	1.5
DD015628		0.38	29.2	250	18.5	13.0	<0.001	0.03	0.58	9.3	0.6	0.3	35.8	0.01	0.08	3.6
DD015629		0.24	17.7	1390	35.7	8.6	<0.001	0.04	3.33	3.3	0.5	0.2	82.9	0.01	0.06	1.4
DD015630		0.50	16.1	440	28.2	9.7	<0.001	0.03	0.91	4.2	0.6	0.4	28.5	<0.01	0.04	2.0
DD015631		0.36	22.9	660	27.8	8.5	<0.001	0.05	0.96	4.2	1.0	0.5	24.2	<0.01	0.04	1.7
DD015632		0.33	16.4	730	33.5	6.9	<0.001	0.04	2.19	3.3	0.7	0.3	43.7	<0.01	0.04	1.5
DD015633		0.50	24.7	280	31.1	13.4	<0.001	0.01	0.75	4.9	0.6	0.5	23.9	<0.01	0.04	3.3

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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015553		0.005	0.18	0.71	32	0.10	17.95	111	2.3
DD015554		0.008	0.12	0.79	34	0.10	10.50	73	1.7
DD015555		0.013	0.11	0.85	32	0.13	10.65	158	1.3
DD015556		<0.005	0.05	0.32	9	<0.05	1.78	46	0.6
DD015557		<0.005	0.07	0.43	12	0.08	7.69	25	1.4
DD015558		0.006	0.05	0.48	23	0.05	6.24	41	1.2
DD015559		0.007	0.10	1.36	23	0.07	11.65	79	1.8
DD015560		0.005	0.11	1.16	28	0.06	14.65	90	2.8
DD015561		0.007	0.17	1.10	36	0.08	13.05	110	2.4
DD015562		0.006	0.19	1.15	36	0.09	11.70	259	1.5
DD015563		0.011	0.24	1.60	33	0.15	23.1	122	2.2
DD015564		0.007	0.19	1.00	33	0.09	14.55	102	1.9
DD015565		0.010	0.20	0.85	40	0.11	14.10	119	1.9
DD015566		0.012	0.17	1.02	31	0.11	14.05	160	1.2
DD015567		0.007	0.14	0.64	18	0.07	7.88	79	1.0
DD015568		0.007	0.27	1.01	40	0.13	13.15	105	2.5
DD015569		0.012	0.20	1.15	52	0.14	15.35	164	3.2
DD015570		0.010	0.26	0.88	42	0.11	6.10	99	2.2
DD015571		0.008	0.28	0.72	23	0.06	2.20	90	0.8
DD015572		0.007	0.18	0.82	32	0.11	10.80	132	1.6
DD015573		<0.005	0.44	1.01	12	0.13	9.63	68	2.1
DD015574		0.005	0.25	0.78	42	0.08	12.80	159	2.5
DD015575		0.006	0.16	0.74	40	0.08	10.55	119	1.5
DD015576		0.007	0.19	1.03	39	0.09	12.45	102	2.8
DD015577		0.007	0.13	1.15	34	0.13	10.80	102	1.4
DD015578		0.007	0.11	1.59	29	0.09	12.20	72	1.6
DD015579		0.007	0.13	2.33	22	0.08	10.60	60	1.6
DD015621		<0.005	0.19	0.67	19	0.06	6.83	63	1.3
DD015622		0.010	0.12	0.64	35	0.11	10.85	118	2.3
DD015623		<0.005	0.56	0.93	12	0.05	30.5	160	1.5
DD015624		0.012	0.12	0.86	32	0.08	9.43	93	1.2
DD015625		0.008	0.15	1.14	34	0.10	18.75	94	2.0
DD015626		<0.005	0.23	0.96	45	0.07	13.35	126	1.3
DD015627		0.007	0.12	1.39	26	0.08	10.85	86	1.5
DD015628		0.006	0.12	0.76	28	0.06	16.00	61	1.6
DD015629		<0.005	0.57	2.00	15	0.17	23.5	403	2.8
DD015630		0.010	0.17	0.91	29	0.12	15.60	307	2.0
DD015631		0.005	0.22	0.79	32	0.10	10.30	108	2.1
DD015632		0.007	0.39	1.26	21	0.20	13.50	77	2.2
DD015633		0.009	0.15	0.94	35	0.11	8.53	118	1.6



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To: STRATEGIC METALS LTD.  
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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015634		0.18	0.002	0.13	0.35	36.2	<0.2	<10	80	0.62	0.23	1.42	0.11	21.0	9.3	5
DD015635		0.21	0.002	0.14	1.13	110.0	<0.2	<10	130	0.81	0.20	0.68	0.41	40.0	8.6	21
DD015636		0.22	0.003	0.16	0.49	82	<0.2	<10	80	0.31	0.07	14.45	0.22	19.45	5.4	10
DD015637		0.20	<0.001	0.16	0.73	571	<0.2	<10	130	0.85	0.28	1.26	0.63	19.50	10.5	11
DD015638		0.28	0.003	0.24	1.21	924	<0.2	<10	150	0.67	0.25	2.78	0.97	25.3	10.9	21
DD015639		0.22	0.002	0.15	1.13	130.5	<0.2	<10	210	0.63	0.13	5.85	0.70	23.3	6.1	15
DD015640		0.25	0.004	0.07	0.66	71	<0.2	<10	80	0.51	0.15	11.40	0.08	18.15	8.0	10
DD015641		0.27	0.003	0.08	0.58	64	<0.2	<10	70	0.43	0.17	11.40	0.20	19.15	9.2	9
DD015642		0.22	0.002	0.10	0.88	42.0	<0.2	<10	90	1.11	0.43	2.94	0.19	35.9	22.1	13
DD015643		0.21	0.004	0.07	0.53	255	<0.2	<10	140	0.58	0.21	6.51	0.25	16.90	10.5	8
DD015644		0.25	0.003	0.09	1.58	170.0	<0.2	<10	150	0.94	0.26	3.64	0.38	27.3	12.9	21
DD015645		0.25	0.001	0.06	1.21	58.2	<0.2	<10	120	1.08	0.28	0.38	0.29	27.9	15.1	20
DD015646		0.17	0.003	0.08	0.87	142.0	<0.2	10	170	0.63	0.11	7.14	1.42	16.10	6.1	10
DD015647		0.17	0.001	0.10	1.19	58.4	<0.2	10	110	0.64	0.17	7.06	0.50	34.9	9.4	15
DD015934		0.12	0.002	0.07	1.34	17.9	<0.2	<10	150	1.11	0.47	0.51	0.07	10.60	13.2	24
DD015935		0.29	0.002	0.05	1.42	17.8	<0.2	<10	140	1.16	0.47	0.15	0.04	14.35	13.0	26
DD015936		0.19	0.007	0.09	1.28	9.0	<0.2	<10	270	1.02	0.38	0.79	0.11	10.75	11.1	18
DD015937		0.43	0.005	0.11	1.77	10.7	<0.2	<10	210	1.28	0.44	0.24	0.14	16.25	17.9	29
DD015938		0.35	0.010	0.15	1.75	9.0	<0.2	<10	270	1.17	0.38	0.46	0.18	17.15	15.1	27
DD015939		0.40	0.003	0.11	1.40	9.3	<0.2	<10	170	1.22	0.44	0.32	0.15	15.00	13.1	22
DD015940		0.24	0.001	0.04	1.03	9.0	<0.2	<10	170	0.64	0.34	0.46	0.20	10.55	8.8	19
DD015941		0.17	0.001	0.02	0.94	13.2	<0.2	<10	80	0.69	0.41	0.04	0.05	10.15	12.4	21
DD015942		0.18	0.002	0.01	0.39	18.6	<0.2	<10	40	1.16	0.51	0.08	0.02	12.65	12.3	13
DD015943		0.22	0.002	0.02	1.06	12.5	<0.2	<10	100	0.86	0.36	0.05	0.05	16.60	8.5	22
DD015944		0.30	0.003	0.02	1.21	13.2	<0.2	<10	160	0.90	0.48	0.36	0.04	12.80	9.4	23
DD015945		0.19	0.003	0.08	1.47	18.7	<0.2	<10	250	1.09	0.38	0.43	0.16	17.70	17.9	26
DD015946		0.05	0.001	0.18	0.67	107.5	<0.2	10	90	0.62	0.21	1.79	0.61	6.52	7.2	15
DD015661		0.19	0.003	0.08	1.70	36.7	<0.2	<10	180	0.80	0.24	0.27	0.14	23.4	12.5	26
DD015662		0.17	0.001	0.08	0.57	49	<0.2	<10	90	0.40	0.16	12.80	0.20	21.9	7.2	10
DD015663		0.15	0.006	0.08	1.07	29.8	<0.2	<10	170	1.19	0.30	1.72	0.14	18.95	15.1	20
DD015664		0.23	0.002	0.13	1.57	28.7	<0.2	<10	280	1.25	0.31	0.67	0.36	19.00	15.7	25
DD015665		0.18	0.004	0.07	0.95	22.5	<0.2	<10	220	1.21	0.31	1.22	0.40	12.15	15.5	20
DD015666		0.33	0.003	0.13	1.17	40.3	<0.2	<10	200	1.01	0.34	2.14	0.38	12.60	13.8	18
DD015667		0.23	0.002	0.15	1.14	29.9	<0.2	<10	220	0.88	0.29	2.04	0.56	15.20	11.7	18
DD015668		0.19	0.001	0.12	1.08	44.7	<0.2	<10	170	1.07	0.35	1.18	0.29	14.10	15.1	19
DD015669		0.25	0.001	0.12	1.51	58.1	<0.2	<10	360	1.26	0.34	1.15	0.12	17.95	11.2	23
DD015670		0.24	0.005	0.07	0.46	259	<0.2	<10	580	1.09	0.46	0.25	0.04	7.77	24.9	8
DD015648		0.18	0.002	0.15	1.14	50.0	<0.2	<10	150	0.97	0.24	5.23	0.23	21.2	10.5	16
DD015649		0.14	0.003	0.09	1.16	31	<0.2	10	160	0.64	0.12	10.05	0.51	18.05	5.0	11
DD015650		0.22	0.002	0.06	1.24	44.8	<0.2	<10	120	0.75	0.29	0.40	0.10	15.70	8.8	20

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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015634		0.13	20.0	320	30.2	4.9	<0.001	0.03	0.67	4.1	0.4	0.2	36.9	<0.01	0.03	2.8
DD015635		0.49	20.9	360	74.8	10.2	<0.001	0.02	2.07	4.0	0.4	0.5	31.5	<0.01	0.04	3.4
DD015636		0.19	10.6	1050	21.7	3.6	<0.001	0.06	2.72	2.9	0.6	0.2	46.8	<0.01	0.04	0.6
DD015637		0.32	21.7	710	25.9	15.2	<0.001	0.07	0.85	3.1	0.6	0.4	27.1	<0.01	0.03	1.1
DD015638		0.54	28.5	800	29.6	15.4	<0.001	0.07	2.28	3.5	0.8	0.4	35.7	<0.01	0.04	1.2
DD015639		0.37	13.1	1030	24.4	6.5	<0.001	0.08	1.96	3.3	0.5	0.3	24.4	0.01	0.04	1.2
DD015640		0.22	15.0	1230	33.4	6.2	<0.001	0.05	2.59	4.5	0.4	0.3	48.2	<0.01	0.06	2.6
DD015641		0.23	15.4	750	27.6	4.7	<0.001	0.07	2.53	3.2	0.4	0.3	54.1	<0.01	0.06	1.4
DD015642		0.25	26.1	570	34.0	6.0	<0.001	0.06	1.37	8.9	0.5	0.5	21.1	0.01	0.10	3.9
DD015643		0.25	16.0	790	22.3	7.7	<0.001	0.08	1.67	3.6	0.4	0.3	53.1	<0.01	0.05	1.3
DD015644		0.47	22.5	430	32.1	12.9	<0.001	0.03	0.79	5.1	0.4	0.5	27.9	<0.01	0.04	3.5
DD015645		0.39	23.5	160	34.7	11.5	<0.001	0.01	0.88	6.2	0.4	0.5	14.1	<0.01	0.04	4.7
DD015646		0.25	11.2	1350	21.6	6.7	<0.001	0.09	0.93	1.2	0.5	0.3	49.7	<0.01	0.04	0.3
DD015647		0.44	15.5	860	23.9	8.4	<0.001	0.07	0.94	3.7	0.4	0.4	28.7	0.01	0.06	1.3
DD015934		0.33	23.0	400	25.3	9.8	<0.001	0.05	0.23	5.4	0.2	0.7	49.4	0.01	0.04	3.6
DD015935		0.38	23.3	300	29.1	9.0	<0.001	0.02	0.29	5.7	0.2	0.7	18.8	<0.01	0.04	4.3
DD015936		0.27	17.8	520	22.3	12.3	<0.001	0.06	0.22	5.8	0.4	0.6	68.9	<0.01	0.04	2.5
DD015937		0.40	29.3	390	29.4	11.6	<0.001	0.03	0.26	7.2	0.3	0.7	24.5	<0.01	0.04	4.7
DD015938		0.42	27.6	700	21.6	14.5	<0.001	0.04	0.25	6.9	0.5	0.6	47.3	<0.01	0.03	4.4
DD015939		0.28	23.8	460	23.9	12.9	<0.001	0.03	0.19	6.5	0.3	0.6	32.4	<0.01	0.03	4.3
DD015940		0.33	16.0	480	19.0	11.1	<0.001	0.04	0.15	3.8	0.3	0.5	38.1	<0.01	0.03	2.6
DD015941		0.33	17.4	200	21.3	8.5	<0.001	0.01	0.22	4.7	<0.2	0.6	14.3	<0.01	0.04	4.2
DD015942		<0.05	23.6	310	21.7	6.3	<0.001	<0.01	0.27	6.1	<0.2	0.8	19.8	<0.01	0.03	3.8
DD015943		0.48	18.4	210	18.5	7.3	<0.001	<0.01	0.30	4.8	0.3	0.6	12.1	<0.01	0.03	3.5
DD015944		0.49	20.1	220	23.0	9.0	<0.001	0.01	0.25	4.3	0.3	0.8	23.3	<0.01	0.04	3.4
DD015945		0.57	27.1	480	33.5	9.9	<0.001	0.03	0.32	7.6	0.5	0.7	24.8	<0.01	0.04	5.1
DD015946		0.32	37.9	670	18.2	15.0	0.006	0.34	1.32	3.3	2.7	0.5	44.6	<0.01	0.07	1.1
DD015661		0.63	21.3	160	27.4	12.8	<0.001	0.01	0.60	4.6	0.3	0.6	12.3	<0.01	0.04	3.9
DD015662		0.19	13.3	1140	32.8	5.2	<0.001	0.06	3.03	2.4	0.5	0.2	45.8	<0.01	0.13	0.8
DD015663		0.56	24.6	390	25.2	19.7	<0.001	0.03	0.65	4.4	0.5	0.6	19.0	<0.01	0.03	3.4
DD015664		0.47	36.3	490	30.3	11.1	<0.001	0.01	0.68	7.0	0.6	0.6	23.2	<0.01	0.05	5.1
DD015665		0.43	34.3	380	22.8	10.5	0.002	0.05	0.74	5.5	0.7	0.5	32.9	<0.01	0.05	3.1
DD015666		0.42	30.7	530	25.7	9.0	0.003	0.06	0.80	4.9	1.9	0.5	45.8	<0.01	0.07	2.8
DD015667		0.41	27.6	550	22.1	9.0	0.002	0.04	0.62	4.9	1.0	0.5	33.1	<0.01	0.06	2.5
DD015668		0.46	32.1	310	25.3	9.4	0.002	0.04	0.82	5.5	1.1	0.5	21.2	<0.01	0.04	4.2
DD015669		0.66	29.4	320	25.1	9.8	0.002	0.03	0.81	8.4	1.0	0.5	26.0	<0.01	0.04	4.8
DD015670		0.18	25.5	200	13.6	13.3	0.002	0.04	0.61	8.4	0.7	0.3	15.2	<0.01	0.11	3.6
DD015648		0.35	23.5	490	25.3	7.8	0.002	0.04	0.84	5.1	0.9	0.5	27.5	<0.01	0.08	3.0
DD015649		0.34	12.3	670	12.2	7.3	0.001	0.05	0.42	2.2	0.9	0.3	20.3	<0.01	0.03	1.0
DD015650		0.55	20.0	170	23.4	9.7	0.002	0.02	0.58	3.8	0.4	0.5	11.5	<0.01	0.06	4.2

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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015634		<0.005	0.12	0.57	9	0.05	11.45	69	1.6
DD015635		0.010	0.58	0.83	32	0.14	11.25	92	2.4
DD015636		<0.005	0.52	1.68	14	0.10	17.90	38	1.5
DD015637		0.008	0.19	4.94	18	0.08	9.28	90	1.1
DD015638		0.016	1.60	2.24	32	0.24	10.20	423	1.3
DD015639		0.007	0.34	1.51	29	0.14	17.90	161	2.0
DD015640		<0.005	0.39	2.21	13	0.12	13.95	37	2.0
DD015641		<0.005	0.33	1.10	14	0.12	10.50	46	1.9
DD015642		<0.005	0.19	0.46	25	0.09	20.2	78	1.7
DD015643		<0.005	0.59	0.92	13	0.08	9.60	123	1.8
DD015644		0.007	0.25	0.86	31	0.11	12.35	102	2.1
DD015645		0.006	0.21	0.83	31	0.09	10.80	108	1.6
DD015646		0.006	0.12	1.33	16	0.08	8.52	228	0.8
DD015647		0.008	0.21	1.04	25	0.12	17.00	70	1.7
DD015934		<0.005	0.06	0.52	23	0.07	6.66	104	1.8
DD015935		0.006	0.06	0.59	27	0.09	6.09	100	0.9
DD015936		<0.005	0.06	0.73	18	0.06	8.33	75	1.4
DD015937		0.008	0.08	1.13	28	0.10	8.39	117	1.4
DD015938		0.006	0.09	1.28	27	0.10	9.48	120	1.7
DD015939		<0.005	0.06	1.02	23	0.06	9.61	122	1.6
DD015940		0.006	0.05	1.34	22	0.07	4.71	87	0.9
DD015941		0.007	0.05	0.47	22	0.06	3.18	88	1.0
DD015942		<0.005	0.06	0.41	19	<0.05	6.67	83	<0.5
DD015943		0.012	0.05	0.74	27	0.10	6.48	72	<0.5
DD015944		0.009	0.05	0.52	28	0.11	4.62	70	0.7
DD015945		0.008	0.08	1.06	29	0.13	9.42	101	2.0
DD015946		<0.005	0.91	2.35	38	0.10	4.94	108	1.9
DD015661		0.016	0.18	0.76	41	0.17	5.13	94	1.8
DD015662		<0.005	0.27	2.08	13	0.11	14.90	38	1.5
DD015663		0.013	0.21	1.16	22	0.10	9.81	80	1.5
DD015664		0.005	0.20	0.73	37	0.07	11.05	138	2.6
DD015665		0.008	0.19	0.82	30	0.08	8.07	109	1.5
DD015666		0.005	0.25	0.75	26	0.06	8.86	133	1.4
DD015667		0.005	0.19	0.83	24	0.07	9.43	137	1.3
DD015668		0.006	0.29	0.68	28	0.07	8.71	125	2.1
DD015669		0.010	0.17	0.80	30	0.13	22.1	91	2.4
DD015670		<0.005	0.83	0.73	10	0.05	12.25	45	0.8
DD015648		0.005	0.19	0.87	25	0.09	12.20	81	1.9
DD015649		0.009	0.14	0.96	19	0.08	10.35	105	1.2
DD015650		0.008	0.14	1.12	30	0.12	5.07	73	2.0



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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015651		0.18	0.002	0.08	1.15	65.9	<0.2	<10	110	0.96	0.31	0.47	0.10	16.20	10.6	18
DD015652		0.23	0.002	0.14	1.29	51.5	<0.2	<10	200	1.06	0.30	1.00	0.18	17.90	12.0	20
DD015653		0.20	0.003	0.14	1.50	31.7	<0.2	<10	240	0.91	0.28	1.49	0.35	23.8	10.6	23
DD015654		0.21	0.002	0.15	0.96	59.7	<0.2	<10	190	0.79	0.29	1.31	0.35	19.55	10.2	15
DD015655		0.18	0.003	0.20	0.84	68.2	<0.2	<10	180	0.91	0.33	1.91	0.19	15.70	10.1	13
DD015656		0.18	0.002	0.24	0.82	127.5	<0.2	<10	120	0.81	0.24	6.96	0.18	23.9	10.3	14
DD015657		0.20	0.003	0.13	1.18	77.4	<0.2	<10	160	0.88	0.33	3.87	0.21	29.3	12.5	16
DD015658		0.20	0.002	0.07	0.64	48	<0.2	10	120	0.50	0.06	12.15	0.34	11.45	3.3	7
DD015659		0.24	0.003	0.07	1.75	55.1	<0.2	<10	160	1.12	0.34	0.40	0.18	26.6	12.6	26
DD015660		0.29	0.003	0.09	1.38	46.0	<0.2	<10	210	1.11	0.30	2.12	0.18	16.65	13.2	20
DD015671		0.24	0.001	0.03	0.52	18.2	<0.2	<10	310	0.83	0.37	0.18	0.06	12.35	21.1	8
DD015672		0.23	0.001	0.02	0.86	24.3	<0.2	<10	280	0.74	0.31	0.18	0.04	14.70	13.2	14
DD015673		0.20	0.001	0.06	1.64	35.2	<0.2	10	310	1.13	0.32	3.68	0.34	40.6	13.4	18
DD015674		0.16	0.003	0.15	1.00	79.8	<0.2	<10	120	0.89	0.27	4.33	0.16	26.1	11.7	14
DD015675		0.17	0.002	0.10	1.84	40.5	<0.2	<10	200	1.02	0.29	2.10	0.20	33.6	11.5	24
DD015676		0.16	0.004	0.16	1.06	65.5	<0.2	10	130	0.80	0.17	8.99	0.47	18.95	8.5	14
DD015677		0.14	0.002	0.14	0.88	83.6	<0.2	10	140	0.92	0.15	9.60	0.27	18.45	6.9	11
DD015678		0.14	0.002	0.17	1.22	44	<0.2	<10	120	0.74	0.16	10.60	0.15	18.80	6.2	15
DD015679		0.21	0.004	0.04	1.71	28.5	<0.2	<10	170	0.88	0.30	0.38	0.15	28.8	9.9	25
DD015680		0.15	<0.001	0.07	2.47	59.7	<0.2	<10	180	1.75	0.35	5.28	0.19	11.60	9.5	26
DD015681		0.19	<0.001	0.02	1.95	21.7	<0.2	<10	150	0.91	0.32	0.43	0.06	16.25	12.5	26
DD015682		0.22	0.003	0.12	0.43	139	<0.2	<10	70	0.50	0.06	14.45	0.23	5.99	2.7	6
DD015683		0.20	0.004	0.13	0.90	35.4	<0.2	<10	260	0.70	0.16	2.52	0.48	16.80	8.0	14
CC160801		0.20	0.001	0.16	0.76	34.2	<0.2	<10	180	0.72	0.31	2.19	0.37	14.75	11.3	14
CC160802		0.27	0.002	0.14	0.77	35.0	<0.2	<10	150	0.85	0.24	1.99	0.36	17.85	9.7	13
CC160803		0.37	0.004	0.15	1.38	41.4	<0.2	<10	260	1.25	0.34	1.02	0.18	20.2	14.2	20
CC160804		0.33	0.003	0.03	1.29	41.3	<0.2	<10	150	0.82	0.32	0.06	0.12	17.05	11.6	18
CC160805		0.33	0.005	0.03	1.52	43.0	<0.2	<10	210	1.21	0.36	0.15	0.09	23.0	12.8	23
CC160806		0.24	0.001	0.02	0.55	12.5	<0.2	<10	110	0.70	0.28	0.16	0.26	14.15	14.4	10
CC160807		0.27	0.001	0.05	0.45	19.0	<0.2	<10	90	0.91	0.40	0.22	0.11	13.15	16.2	9
CC160808		0.20	0.004	0.11	1.10	208	<0.2	<10	140	0.77	0.20	6.99	1.38	19.35	10.5	16
CC160809		0.33	0.001	0.13	1.25	60.9	<0.2	<10	120	0.97	0.27	2.99	0.18	17.90	12.6	18
CC160810		0.24	0.005	0.14	1.36	83.0	<0.2	<10	130	0.88	0.27	1.79	0.38	25.7	11.5	22
CC160811		0.42	0.002	0.15	1.07	54.7	<0.2	<10	180	0.94	0.30	0.77	0.27	15.85	11.0	19
CC160812		0.14	0.001	0.09	0.54	18.5	<0.2	<10	100	0.68	0.21	1.23	0.26	16.95	6.1	6
CC160813		0.23	0.002	0.13	0.42	433	<0.2	<10	50	0.65	0.25	1.78	0.11	13.55	8.8	7
CC160814		0.24	0.016	0.15	0.51	255	<0.2	<10	120	0.35	0.10	10.15	0.43	17.80	4.6	10
CC160815		0.24	0.002	0.04	1.11	71.2	<0.2	<10	110	0.73	0.34	0.20	0.87	18.20	23.4	21
CC160816		0.35	0.002	0.04	1.06	29.4	<0.2	<10	150	1.06	0.39	0.16	0.09	24.8	11.5	16
CC160817		0.40	0.007	0.15	0.23	568	<0.2	<10	60	0.77	0.26	0.20	0.09	19.00	8.8	4



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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015651		0.76	24.3	3.59	3.46	<0.05	0.06	0.68	0.030	0.08	7.2	9.3	0.21	671	0.88	0.01
DD015652		0.77	34.4	3.96	3.91	<0.05	0.06	0.85	0.035	0.08	8.8	13.5	0.43	921	0.98	0.01
DD015653		0.76	20.5	3.48	4.17	<0.05	0.04	0.20	0.036	0.07	11.1	22.7	0.73	678	0.93	0.02
DD015654		2.70	22.0	2.97	2.51	<0.05	0.03	0.42	0.028	0.07	7.9	12.0	0.32	687	0.73	0.02
DD015655		6.12	25.4	2.90	2.17	<0.05	0.07	0.47	0.030	0.06	6.9	8.3	0.52	570	0.74	0.01
DD015656		0.82	26.2	3.31	2.12	0.05	0.11	1.19	0.025	0.06	10.4	6.9	4.07	936	1.08	0.02
DD015657		1.59	28.3	4.25	2.94	0.05	0.13	0.45	0.027	0.11	14.1	10.2	2.18	1290	1.00	0.02
DD015658		0.30	7.9	2.84	1.35	<0.05	0.05	0.12	0.014	0.03	5.5	3.4	7.17	2360	0.40	0.03
DD015659		0.72	22.7	4.35	4.76	0.06	0.06	0.58	0.034	0.08	13.5	14.9	0.42	1540	0.98	0.01
DD015660		0.70	34.3	3.87	3.91	<0.05	0.06	0.73	0.032	0.09	7.5	15.6	0.79	885	1.11	0.02
DD015671		3.53	26.1	2.24	1.38	<0.05	0.02	0.15	0.018	0.12	3.8	6.2	0.10	1070	0.54	0.01
DD015672		1.51	14.3	2.96	2.54	<0.05	0.04	0.10	0.027	0.14	5.6	9.3	0.16	570	0.63	0.01
DD015673		0.96	10.4	3.62	4.24	0.07	0.07	0.12	0.036	0.12	21.0	14.6	2.07	1980	0.51	0.02
DD015674		0.87	19.1	3.48	2.71	<0.05	0.08	0.91	0.023	0.10	12.4	9.6	2.45	839	0.59	0.02
DD015675		0.93	14.0	3.83	5.22	<0.05	0.05	0.17	0.031	0.10	13.5	18.2	1.39	1300	0.82	0.02
DD015676		0.76	18.4	3.37	2.68	<0.05	0.06	0.91	0.022	0.08	10.5	8.6	5.46	1700	0.73	0.03
DD015677		0.61	12.4	3.46	2.10	<0.05	0.05	0.63	0.016	0.07	10.1	5.5	5.58	2160	0.60	0.03
DD015678		0.66	16.3	2.54	2.93	<0.05	0.06	0.29	0.019	0.07	10.8	8.4	6.59	1350	0.61	0.03
DD015679		0.81	13.7	3.73	4.55	<0.05	0.07	0.10	0.036	0.06	11.3	13.7	0.44	1070	0.72	0.01
DD015680		1.02	23.6	4.22	6.60	<0.05	0.14	0.42	0.044	0.09	9.0	14.8	3.23	1160	0.64	0.02
DD015681		0.62	12.6	3.74	5.82	<0.05	0.06	0.11	0.030	0.04	6.1	28.8	0.50	409	0.42	0.01
DD015682		0.52	8.9	1.50	0.99	<0.05	0.04	1.01	0.006	0.03	3.0	2.9	8.36	1080	0.45	0.03
DD015683		0.61	19.8	2.49	2.52	<0.05	0.03	0.52	0.022	0.07	7.0	11.4	0.57	637	0.69	0.03
CC160801		7.24	32.3	3.22	2.18	<0.05	0.04	0.48	0.032	0.07	6.5	10.3	0.93	685	0.99	0.02
CC160802		0.98	26.1	3.09	2.13	<0.05	0.05	0.45	0.028	0.06	7.7	9.0	0.80	748	1.07	0.02
CC160803		1.26	34.7	3.84	3.93	0.05	0.05	0.59	0.034	0.09	9.2	15.2	0.50	769	1.32	0.02
CC160804		1.84	19.7	3.53	3.68	<0.05	0.02	0.33	0.032	0.06	6.9	13.4	0.21	569	1.03	0.01
CC160805		6.47	30.0	4.16	4.40	0.08	0.06	0.58	0.043	0.08	9.4	16.4	0.28	577	1.43	<0.01
CC160806		7.20	13.0	3.35	1.83	0.05	0.04	0.08	0.040	0.11	5.1	4.9	0.11	484	0.54	<0.01
CC160807		13.65	39.7	4.42	1.47	0.06	0.03	0.46	0.044	0.08	5.8	5.1	0.09	338	0.72	<0.01
CC160808		1.16	19.3	4.96	3.28	0.09	0.10	1.39	0.034	0.10	9.5	7.6	4.17	2170	1.28	0.01
CC160809		0.82	31.3	3.68	3.71	0.07	0.10	0.64	0.037	0.08	8.4	10.9	1.65	936	1.62	0.01
CC160810		0.73	22.9	4.23	3.95	0.08	0.10	1.11	0.035	0.09	11.8	10.2	1.12	1820	1.74	0.01
CC160811		0.94	35.5	4.07	3.45	0.08	0.08	0.46	0.040	0.08	8.5	10.6	0.41	865	1.28	<0.01
CC160812		0.63	13.3	2.17	1.34	0.05	0.04	0.12	0.029	0.06	6.9	3.2	0.04	310	0.41	<0.01
CC160813		2.01	20.7	2.31	1.16	0.05	0.06	0.43	0.022	0.05	5.7	2.8	0.15	262	0.65	<0.01
CC160814		1.10	9.7	3.24	1.29	0.06	0.06	1.56	0.014	0.03	8.8	3.0	5.77	2570	0.47	0.01
CC160815		1.67	21.8	5.57	3.40	0.07	0.04	0.37	0.046	0.09	6.2	9.2	0.14	2090	1.88	<0.01
CC160816		2.66	23.3	3.99	2.74	0.07	0.03	0.40	0.043	0.07	10.0	8.7	0.18	615	1.00	<0.01
CC160817		2.92	18.9	2.37	0.66	0.07	0.05	0.82	0.029	0.05	8.7	1.7	0.06	262	0.54	<0.01

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



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		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
DD015651		0.41	21.4	250	28.6	8.3	0.002	0.03	0.73	5.8	1.0	0.5	18.2	<0.01	0.05	3.8
DD015652		0.43	27.6	350	31.0	8.5	0.001	0.04	0.66	5.8	1.0	0.6	42.0	<0.01	0.06	3.2
DD015653		0.82	27.2	460	24.0	9.7	0.002	0.05	0.63	4.2	1.4	0.5	52.0	<0.01	0.04	1.8
DD015654		0.38	24.0	420	25.7	14.1	0.003	0.06	0.52	3.4	1.0	0.4	58.0	<0.01	0.04	1.6
DD015655		0.25	27.4	490	24.7	13.0	0.002	0.06	0.51	3.9	1.5	0.4	71.0	<0.01	0.03	1.7
DD015656		0.21	26.3	920	37.0	5.6	0.001	0.08	3.00	4.7	0.8	0.3	53.2	<0.01	0.08	2.0
DD015657		0.36	31.6	610	43.0	8.0	0.002	0.06	2.32	5.7	0.9	0.5	25.7	<0.01	0.14	3.2
DD015658		0.13	7.5	1120	12.2	3.3	0.003	0.07	0.70	0.9	0.6	0.2	52.8	<0.01	0.05	0.4
DD015659		0.65	25.9	230	32.1	9.3	0.002	0.03	0.81	6.6	1.5	0.7	9.6	<0.01	0.05	4.9
DD015660		0.39	28.6	240	27.6	7.7	0.001	0.03	0.73	6.3	0.8	0.6	27.4	<0.01	0.04	4.4
DD015671		0.25	23.5	220	10.1	9.9	0.001	0.03	0.35	6.2	<0.2	0.3	7.7	<0.01	0.06	3.3
DD015672		0.47	15.6	220	14.3	13.9	0.002	0.03	0.47	3.3	<0.2	0.5	9.4	<0.01	0.03	3.1
DD015673		0.51	16.8	320	36.8	9.5	0.002	0.04	0.99	6.2	0.8	0.7	29.3	<0.01	0.05	4.7
DD015674		0.36	20.1	430	41.2	7.2	0.001	0.05	2.70	5.3	0.9	0.5	23.9	<0.01	0.05	3.4
DD015675		0.95	23.1	230	24.7	14.2	0.001	0.03	0.56	5.5	0.6	0.7	18.4	<0.01	0.06	5.0
DD015676		0.32	17.9	1060	33.8	7.7	0.001	0.07	1.82	3.2	0.8	0.4	59.8	<0.01	0.05	1.4
DD015677		0.25	12.8	830	30.8	5.9	0.002	0.07	1.96	3.1	1.1	0.3	51.7	0.01	0.07	1.2
DD015678		0.33	13.2	1510	15.9	8.1	0.001	0.07	0.74	3.5	1.2	0.4	56.4	<0.01	0.04	1.2
DD015679		0.76	18.6	140	27.4	9.5	0.002	0.02	0.51	5.1	0.5	0.6	8.8	<0.01	0.05	5.1
DD015680		0.41	20.6	450	27.1	10.6	0.001	0.05	0.65	7.4	1.1	0.9	20.9	<0.01	0.06	3.9
DD015681		0.42	23.6	100	22.2	7.0	0.003	0.02	0.24	4.3	<0.2	0.6	8.7	<0.01	0.05	4.3
DD015682		0.10	6.2	1110	11.8	4.2	0.001	0.08	3.17	0.6	0.4	<0.2	81.3	<0.01	0.02	0.3
DD015683		0.43	16.6	670	17.4	6.6	0.001	0.08	0.94	2.5	0.9	0.4	50.1	<0.01	0.07	1.0
CC160801		0.30	25.1	580	25.9	14.3	0.003	0.05	0.63	4.1	1.3	0.4	45.4	<0.01	0.06	1.8
CC160802		0.29	23.3	550	24.0	6.5	0.002	0.04	0.60	4.2	0.8	0.3	35.5	<0.01	0.04	2.9
CC160803		0.35	35.7	400	25.4	9.0	0.002	0.03	0.61	6.8	1.3	0.6	29.6	<0.01	0.07	4.6
CC160804		0.42	24.0	140	26.1	11.6	0.002	0.02	0.53	4.0	0.5	0.5	9.2	<0.01	0.07	3.8
CC160805		0.39	28.9	190	27.8	14.6	0.001	0.01	0.87	6.0	0.9	0.6	13.8	<0.01	0.04	4.9
CC160806		0.31	19.1	240	13.4	12.9	<0.001	0.01	0.24	5.7	0.3	0.3	17.3	<0.01	0.09	2.6
CC160807		0.24	26.8	230	20.6	10.2	<0.001	0.01	1.03	5.2	0.4	0.4	23.3	<0.01	0.06	3.5
CC160808		0.42	22.2	870	26.9	9.7	<0.001	0.05	1.73	4.4	1.0	0.4	40.2	0.01	0.05	1.8
CC160809		0.37	28.4	360	29.0	7.4	<0.001	0.02	1.06	5.6	1.0	0.5	23.1	<0.01	0.05	3.6
CC160810		0.45	24.4	330	35.5	9.3	<0.001	0.02	2.40	5.2	1.1	0.5	13.5	<0.01	0.06	3.8
CC160811		0.43	25.1	360	33.4	8.6	<0.001	0.02	0.92	5.4	0.8	0.5	25.3	<0.01	0.05	3.4
CC160812		0.21	17.5	360	21.5	5.0	<0.001	0.04	0.30	2.4	0.5	0.3	47.6	<0.01	0.03	1.4
CC160813		0.18	22.1	520	27.9	7.1	<0.001	0.04	1.30	3.1	0.6	0.3	49.9	<0.01	0.03	1.9
CC160814		0.22	12.4	970	29.1	7.3	<0.001	0.05	3.21	1.9	0.9	0.2	77.2	<0.01	0.04	0.8
CC160815		0.66	19.2	980	47.9	13.9	<0.001	0.01	1.31	3.0	0.8	0.4	17.8	<0.01	0.06	3.6
CC160816		0.33	26.7	210	31.3	10.8	<0.001	0.01	0.59	4.8	0.8	0.5	22.6	<0.01	0.04	4.6
CC160817		0.14	21.7	160	48.7	4.8	0.001	0.01	0.63	4.3	0.6	0.3	13.4	<0.01	0.03	6.9

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



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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015651		0.005	0.23	1.28	26	0.11	10.40	91	2.0
DD015652		0.006	0.18	0.95	28	0.09	13.00	101	1.6
DD015653		0.021	0.16	0.95	37	0.14	9.59	120	1.0
DD015654		0.008	0.18	1.00	22	0.10	9.55	139	1.2
DD015655		<0.005	0.23	1.22	17	0.07	11.35	123	1.7
DD015656		<0.005	0.30	1.87	19	0.16	14.80	46	3.1
DD015657		0.006	0.41	1.45	25	0.13	14.35	69	3.5
DD015658		0.007	0.19	1.08	11	0.08	10.20	57	1.5
DD015659		0.009	0.23	1.86	39	0.12	14.65	115	2.3
DD015660		<0.005	0.17	0.87	35	0.07	12.30	109	2.0
DD015671		0.008	0.09	0.33	10	0.06	6.81	35	<0.5
DD015672		0.011	0.13	0.41	21	0.09	2.40	38	0.8
DD015673		0.006	0.22	0.72	29	0.13	14.10	198	1.9
DD015674		0.006	0.37	0.52	21	0.18	11.80	53	1.9
DD015675		0.015	0.18	0.72	40	0.14	10.70	83	2.2
DD015676		0.009	0.36	1.42	20	0.17	11.85	270	1.4
DD015677		0.005	0.39	1.47	17	0.11	11.25	77	1.5
DD015678		0.006	0.19	2.34	23	0.09	16.50	47	1.7
DD015679		0.014	0.19	0.81	39	0.14	8.56	82	2.3
DD015680		<0.005	0.24	1.20	33	0.11	20.3	64	3.8
DD015681		<0.005	0.09	0.72	26	0.07	4.04	62	2.2
DD015682		<0.005	0.32	1.08	8	0.12	5.97	40	1.2
DD015683		0.007	0.17	1.79	21	0.08	7.53	99	1.1
CC160801		0.007	0.16	0.89	23	0.08	10.30	108	1.2
CC160802		0.005	0.12	0.89	23	0.08	10.50	101	1.4
CC160803		<0.005	0.20	0.90	32	0.07	14.10	114	2.1
CC160804		0.006	0.14	0.61	32	0.09	4.84	82	0.9
CC160805		<0.005	0.20	1.00	38	0.08	11.25	109	1.5
CC160806		0.005	0.07	0.54	18	0.05	5.01	77	0.9
CC160807		<0.005	0.14	0.58	16	<0.05	5.00	106	0.7
CC160808		0.006	0.27	1.52	30	0.12	16.45	562	2.2
CC160809		<0.005	0.20	0.80	37	0.08	14.00	115	2.4
CC160810		0.005	0.30	1.08	44	0.11	13.20	123	2.4
CC160811		0.006	0.19	0.77	32	0.09	13.20	114	1.9
CC160812		<0.005	0.07	0.66	11	<0.05	8.08	33	1.1
CC160813		<0.005	0.18	0.82	10	0.08	8.38	45	1.4
CC160814		0.006	0.43	1.58	13	0.11	10.10	93	1.4
CC160815		0.008	0.22	1.07	49	0.10	4.57	174	1.1
CC160816		<0.005	0.18	0.86	23	0.07	9.04	111	0.5
CC160817		<0.005	0.12	0.79	6	<0.05	9.42	50	1.4



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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160818		0.23	0.001	0.08	1.07	612	<0.2	<10	170	0.68	0.13	10.75	0.28	16.85	5.1	13
CC160819		0.12	0.003	0.11	1.37	283	<0.2	<10	160	0.79	0.21	4.79	0.57	18.00	8.7	18
CC160820		0.25	<0.001	0.06	0.43	230	<0.2	<10	110	0.34	0.06	15.65	0.32	9.69	3.3	5
CC160821		0.21	0.012	0.04	0.73	124.5	<0.2	<10	80	0.72	0.29	9.87	0.18	26.8	11.4	11
CC160822		0.18	0.001	0.09	0.62	65.8	<0.2	<10	120	0.98	0.44	0.95	0.09	37.8	18.8	10
CC160823		0.26	0.005	0.08	0.37	274	<0.2	<10	100	1.09	0.46	2.11	0.10	36.0	26.3	7
CC160824		0.15	0.004	0.08	0.46	129.0	<0.2	<10	130	1.17	0.52	1.85	0.11	28.3	23.7	6
DD015906		0.07	0.002	0.10	0.66	50.2	<0.2	<10	260	0.38	0.35	1.25	0.07	7.57	4.2	10
DD015907		0.11	0.011	0.86	0.55	66.9	<0.2	<10	370	0.36	0.34	0.39	0.22	4.84	9.2	12
DD015908		0.16	0.003	0.27	0.18	31.4	<0.2	<10	170	0.20	0.32	0.24	0.04	3.22	0.3	6
DD015909		0.09	<0.001	0.21	0.38	59.5	<0.2	<10	160	0.30	0.20	0.25	0.13	4.30	1.9	10
DD015910		0.12	0.002	0.12	0.66	30.5	<0.2	<10	160	0.65	0.24	0.27	0.30	7.70	5.8	12
DD015911		0.34	0.003	0.04	1.29	19.4	<0.2	<10	140	1.03	0.34	0.29	0.32	14.35	12.3	24
DD015912		0.12	0.003	0.07	0.95	282	<0.2	<10	160	0.74	0.27	1.57	1.06	8.55	14.2	16
DD015913		0.22	0.004	0.19	0.37	65.1	<0.2	<10	110	0.52	0.27	0.75	0.36	3.42	4.2	9
DD015914		0.15	0.018	0.09	0.74	364	<0.2	<10	90	0.70	0.25	1.19	0.40	6.91	10.9	14
DD015915		0.26	0.009	0.10	1.00	279	<0.2	<10	210	0.92	0.32	0.98	0.45	10.10	15.1	19
DD015916		0.29	0.001	0.04	1.26	18.5	<0.2	<10	230	1.30	0.46	0.21	0.07	10.90	9.6	25
DD015917		0.30	0.001	0.06	0.98	11.4	<0.2	<10	100	1.24	0.48	0.47	0.04	9.16	9.8	19
DD015918		0.33	0.002	0.04	1.46	27.1	<0.2	<10	390	0.95	0.38	0.71	0.24	10.60	13.3	25
DD015919		0.21	0.002	0.06	1.62	24.4	<0.2	<10	390	1.19	0.37	0.53	0.24	10.15	8.2	25
DD015920		0.24	0.003	0.07	1.66	31.7	<0.2	<10	400	1.27	0.36	0.52	0.33	11.60	8.1	24
DD015921		0.27	0.001	0.07	1.32	26.0	<0.2	<10	190	0.94	0.35	0.36	0.18	11.45	10.9	24
DD015922		0.35	0.002	0.09	1.46	24.8	<0.2	<10	190	1.24	0.43	0.47	0.19	15.25	11.5	27
DD015923		0.25	0.002	0.03	1.23	27.4	<0.2	<10	150	0.68	0.38	0.17	0.12	12.00	10.3	24
DD015924		0.19	0.002	0.02	1.26	35.1	<0.2	<10	110	0.70	0.42	0.10	0.07	14.25	12.4	26
DD015925		0.13	0.026	0.13	0.92	14.9	<0.2	<10	260	0.42	0.23	2.24	0.21	5.99	5.6	14
DD015926		0.16	0.010	0.16	0.72	4.2	<0.2	<10	150	0.24	0.13	2.43	0.18	4.53	3.1	9
DD015927		0.11	0.008	0.14	0.99	14.5	<0.2	<10	250	0.66	0.23	2.16	0.40	6.73	8.7	14
DD015928		0.25	0.002	0.08	1.26	26.4	<0.2	<10	230	1.16	0.45	0.70	0.23	12.80	16.1	24
DD015929		0.24	0.001	0.05	1.20	47.3	<0.2	<10	170	0.92	0.39	0.70	0.27	10.75	13.8	22
DD015930		0.28	0.002	0.07	1.34	18.0	<0.2	<10	170	1.05	0.43	0.45	0.13	14.95	11.2	24
DD015931		0.28	0.002	0.08	1.40	14.6	<0.2	<10	140	0.73	0.34	0.58	0.12	18.40	11.1	25
DD015932		0.20	0.001	0.04	1.84	10.8	<0.2	<10	80	1.50	0.57	0.56	0.05	11.65	17.9	29
DD015933		0.27	0.001	0.01	1.33	20.1	<0.2	<10	130	1.11	0.50	0.11	0.06	10.40	11.9	27



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**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160818		0.69	8.6	3.44	2.76	0.08	0.07	0.53	0.020	0.03	13.9	6.3	6.67	2750	0.67	0.01
CC160819		0.69	17.4	3.37	3.57	0.06	0.06	0.67	0.031	0.07	10.3	11.0	1.88	1140	0.88	0.01
CC160820		0.33	6.2	1.96	1.13	<0.05	0.05	0.39	0.007	0.02	5.6	2.5	9.45	1700	0.80	0.02
CC160821		2.55	17.8	2.92	2.00	0.08	0.09	0.38	0.032	0.08	15.2	7.1	5.81	1420	0.59	0.02
CC160822		3.04	29.2	2.64	1.91	0.09	0.07	0.14	0.036	0.19	18.7	5.8	0.17	603	0.83	<0.01
CC160823		5.09	85.0	4.86	1.15	0.10	0.06	0.17	0.030	0.11	17.5	2.8	0.77	622	1.19	<0.01
CC160824		3.88	43.5	2.90	1.38	0.08	0.07	0.26	0.034	0.11	13.8	4.2	0.18	391	0.59	<0.01
DD015906		7.92	11.3	1.86	2.36	<0.05	0.05	1.33	0.028	0.08	3.5	5.3	0.11	234	1.32	0.01
DD015907		15.65	16.5	2.73	2.08	0.05	<0.02	1.08	0.042	0.05	2.2	4.9	0.04	385	12.45	<0.01
DD015908		6.56	14.1	1.05	1.18	<0.05	0.03	0.24	0.026	0.05	1.6	1.3	0.02	6	9.70	<0.01
DD015909		4.98	18.7	2.03	1.19	<0.05	0.02	0.28	0.023	0.03	1.9	1.3	0.03	62	14.60	0.01
DD015910		2.17	24.0	1.96	2.38	<0.05	0.04	0.20	0.023	0.07	3.2	6.8	0.12	292	5.60	<0.01
DD015911		1.01	34.9	3.39	4.66	0.06	0.04	0.17	0.041	0.07	6.2	19.6	0.36	389	1.92	<0.01
DD015912		4.36	27.6	3.98	3.09	0.06	0.05	0.22	0.033	0.06	3.7	12.9	0.22	1620	44.1	0.01
DD015913		5.81	24.6	1.62	1.38	<0.05	0.04	0.36	0.030	0.05	1.5	3.7	0.09	435	15.35	<0.01
DD015914		6.28	32.6	5.01	2.51	0.06	0.05	0.28	0.031	0.06	3.1	8.3	0.17	916	37.7	<0.01
DD015915		5.67	42.6	5.52	3.48	0.08	0.06	0.35	0.038	0.09	4.3	11.3	0.21	1020	38.6	<0.01
DD015916		1.74	49.3	4.19	5.30	0.07	0.03	0.11	0.047	0.09	5.2	16.3	0.33	392	0.76	<0.01
DD015917		1.61	35.5	3.26	4.11	0.06	0.08	0.12	0.045	0.08	4.5	12.7	0.26	541	2.03	<0.01
DD015918		0.84	43.0	3.94	5.50	0.06	0.05	0.16	0.044	0.07	4.0	13.3	0.32	954	1.79	<0.01
DD015919		0.99	45.3	3.77	4.92	0.06	0.08	0.27	0.045	0.10	5.0	17.3	0.31	389	2.54	<0.01
DD015920		1.08	45.3	3.80	4.76	0.06	0.09	0.75	0.039	0.09	6.0	21.0	0.29	479	1.63	<0.01
DD015921		1.08	33.6	3.76	4.36	0.06	0.05	0.30	0.041	0.08	5.4	20.1	0.31	207	2.34	<0.01
DD015922		0.96	51.4	4.34	5.22	<0.05	0.05	0.18	0.051	0.09	6.8	21.3	0.39	455	11.40	0.01
DD015923		0.99	31.7	3.64	5.56	<0.05	0.02	0.12	0.035	0.08	5.3	16.8	0.28	445	7.24	<0.01
DD015924		1.11	32.2	3.81	6.10	<0.05	<0.02	0.08	0.041	0.09	5.7	15.1	0.30	765	1.14	<0.01
DD015925		1.06	24.8	1.90	3.30	<0.05	0.03	0.41	0.027	0.06	2.9	6.5	0.17	424	1.70	0.01
DD015926		0.66	12.1	0.95	2.86	<0.05	0.04	0.08	0.015	0.05	2.1	3.5	0.17	321	0.37	0.01
DD015927		0.90	33.4	2.71	3.15	<0.05	0.03	0.21	0.030	0.06	3.2	5.7	0.22	396	0.94	0.01
DD015928		0.78	46.9	4.22	4.56	<0.05	0.04	0.24	0.049	0.08	5.2	15.1	0.28	1280	7.76	0.01
DD015929		2.54	23.8	4.17	4.55	<0.05	0.04	0.11	0.046	0.08	4.2	12.6	0.26	1310	51.3	0.01
DD015930		0.98	31.9	4.05	5.14	<0.05	0.04	0.12	0.047	0.09	5.9	19.1	0.31	671	17.10	0.01
DD015931		0.94	16.7	3.57	4.96	0.05	0.05	0.12	0.038	0.08	7.9	22.3	0.37	801	20.9	0.01
DD015932		4.53	28.3	4.00	7.01	<0.05	0.05	0.05	0.044	0.10	4.9	27.9	0.60	507	4.18	0.01
DD015933		1.03	53.1	4.57	6.17	<0.05	<0.02	0.06	0.061	0.09	4.4	18.0	0.39	496	0.61	<0.01

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





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 VANCOUVER BC V6B 1L8

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 Finalized Date: 25- JUN- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160818		0.43	10.9	780	13.3	7.7	<0.001	0.04	0.82	3.2	0.8	0.3	25.2	0.01	0.04	1.0
CC160819		0.37	18.2	1200	27.6	8.6	<0.001	0.09	1.92	2.2	0.8	0.5	31.3	0.01	0.06	0.8
CC160820		0.21	5.3	1210	8.7	3.3	<0.001	0.04	1.07	1.4	0.5	<0.2	70.2	<0.01	0.03	0.5
CC160821		0.25	15.8	660	21.6	7.0	<0.001	0.03	1.85	6.9	0.6	0.4	45.4	0.01	0.07	2.9
CC160822		0.33	23.7	340	20.3	8.4	<0.001	0.02	0.76	7.6	0.8	0.4	21.3	0.01	0.09	3.8
CC160823		0.16	46.1	480	769	7.0	<0.001	0.09	1.81	7.2	0.7	0.3	22.2	0.01	0.10	4.5
CC160824		0.20	29.7	520	43.0	7.6	<0.001	0.08	1.23	6.0	0.7	0.4	35.9	0.01	0.12	2.7
DD015906		0.43	7.3	430	17.0	9.0	<0.001	0.06	0.79	2.1	0.6	0.7	51.2	<0.01	0.04	1.3
DD015907		0.28	16.9	860	25.1	9.8	0.002	0.06	1.56	3.5	3.2	0.7	64.1	<0.01	0.12	0.9
DD015908		0.16	4.9	260	15.0	8.1	0.013	0.07	0.82	1.1	2.4	0.7	42.6	<0.01	0.11	0.7
DD015909		0.23	13.3	810	13.3	5.3	0.005	0.07	1.21	2.4	2.4	0.5	37.6	<0.01	0.09	0.7
DD015910		0.35	14.0	300	16.5	7.3	0.003	0.04	0.73	2.7	1.0	0.5	32.6	<0.01	0.05	1.6
DD015911		0.73	27.0	360	22.1	7.9	0.001	0.02	0.40	4.6	1.1	0.6	21.7	<0.01	0.05	3.2
DD015912		0.53	36.5	640	16.7	11.2	0.003	0.13	0.71	3.4	1.1	0.5	24.1	<0.01	0.05	1.4
DD015913		0.19	13.9	280	14.3	7.6	0.005	0.08	1.00	2.8	1.6	0.5	48.4	<0.01	0.11	0.7
DD015914		0.43	41.5	490	15.7	17.0	0.002	0.09	0.91	3.3	1.3	0.5	20.9	<0.01	0.06	1.4
DD015915		0.61	54.7	540	19.0	17.6	0.002	0.11	0.97	4.8	1.5	0.6	26.9	<0.01	0.06	2.9
DD015916		0.45	23.0	360	18.9	11.3	<0.001	0.02	0.25	5.4	0.4	0.7	25.2	<0.01	0.04	3.2
DD015917		0.26	20.8	370	21.2	11.2	<0.001	0.03	0.21	4.6	0.6	0.7	38.3	<0.01	0.04	2.8
DD015918		0.58	26.8	600	23.3	10.2	0.001	0.05	0.34	4.5	0.9	0.7	45.3	<0.01	0.04	1.8
DD015919		0.53	29.1	770	17.0	12.9	0.001	0.07	0.39	4.9	1.5	0.7	34.7	<0.01	0.05	1.7
DD015920		0.57	29.2	740	18.1	11.2	0.001	0.08	0.48	5.0	2.2	0.7	33.8	<0.01	0.05	1.9
DD015921		0.60	24.7	390	21.3	9.4	0.001	0.02	0.38	4.7	1.0	0.6	20.4	<0.01	0.04	3.5
DD015922		0.60	28.2	380	27.0	9.5	<0.001	0.02	0.36	6.4	1.1	0.8	18.1	<0.01	0.02	4.4
DD015923		0.56	18.7	190	20.6	11.2	<0.001	0.01	0.36	3.2	0.6	0.8	14.5	<0.01	0.02	3.4
DD015924		0.56	19.9	240	23.2	12.1	<0.001	0.01	0.33	3.5	0.7	0.8	11.9	<0.01	0.02	3.6
DD015925		0.44	11.8	880	11.1	11.9	0.001	0.15	0.52	1.8	1.1	0.5	66.1	<0.01	0.02	0.5
DD015926		0.40	5.5	620	6.6	6.4	<0.001	0.10	0.17	1.8	0.5	0.4	67.7	<0.01	<0.01	0.7
DD015927		0.41	28.3	980	12.9	9.8	<0.001	0.14	0.41	2.6	1.1	0.5	62.4	<0.01	0.02	0.7
DD015928		0.45	29.2	580	30.4	9.2	0.001	0.04	0.26	6.8	1.1	0.7	30.0	<0.01	0.02	4.0
DD015929		0.44	26.9	550	25.3	13.2	<0.001	0.06	0.72	4.7	0.7	0.7	27.6	<0.01	0.01	2.5
DD015930		0.52	23.6	440	28.1	11.0	<0.001	0.03	0.32	5.8	0.9	0.7	26.7	<0.01	0.01	4.2
DD015931		0.63	20.6	600	20.1	13.6	<0.001	0.04	0.35	4.6	0.9	0.6	25.7	<0.01	0.01	3.7
DD015932		0.31	29.3	320	25.4	11.5	<0.001	0.02	0.17	4.6	0.6	0.8	26.0	<0.01	0.01	3.2
DD015933		0.33	22.6	210	21.3	9.2	<0.001	0.01	0.19	5.0	0.3	0.9	20.3	<0.01	0.02	3.9

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134655**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160818		0.008	0.37	2.38	22	0.12	18.45	75	1.5
CC160819		0.006	0.31	1.04	31	0.15	12.15	116	1.1
CC160820		0.006	0.31	1.18	9	0.08	7.00	41	1.4
CC160821		<0.005	0.34	0.46	18	0.12	13.80	27	1.6
CC160822		0.006	0.09	0.45	14	0.13	16.10	57	1.2
CC160823		<0.005	0.27	0.61	12	0.05	14.80	66	1.4
CC160824		<0.005	0.25	0.65	10	<0.05	14.45	86	1.4
DD015906		<0.005	0.44	0.50	18	0.07	3.08	25	1.2
DD015907		<0.005	2.85	0.62	79	0.07	4.39	52	<0.5
DD015908		<0.005	1.31	1.16	36	0.16	3.13	6	1.3
DD015909		<0.005	0.58	1.02	37	0.12	4.02	41	0.6
DD015910		<0.005	0.34	0.86	32	0.13	5.20	41	1.0
DD015911		0.011	0.11	1.50	30	0.13	7.03	182	0.9
DD015912		0.005	0.51	2.70	22	0.10	6.02	182	1.2
DD015913		<0.005	0.63	1.51	38	0.12	5.34	87	1.5
DD015914		0.005	0.58	2.10	25	0.10	5.89	320	1.3
DD015915		0.006	0.70	2.75	28	0.13	7.36	309	1.8
DD015916		0.006	0.07	0.77	26	0.09	8.36	91	0.6
DD015917		<0.005	0.08	1.07	20	<0.05	7.89	80	1.7
DD015918		0.006	0.07	1.20	27	0.12	5.47	108	1.1
DD015919		<0.005	0.10	2.24	27	0.10	10.55	156	1.7
DD015920		0.005	0.12	5.35	28	0.10	11.70	136	1.9
DD015921		0.008	0.10	1.40	26	0.10	7.33	133	1.3
DD015922		0.007	0.12	1.52	29	0.11	8.96	121	1.7
DD015923		0.008	0.15	0.54	35	0.10	3.72	83	1.1
DD015924		0.009	0.11	0.54	31	0.10	3.47	76	0.6
DD015925		0.005	0.14	0.79	21	0.07	3.38	57	1.3
DD015926		0.006	0.06	0.49	13	0.05	1.86	26	1.8
DD015927		<0.005	0.10	0.71	19	0.08	5.63	136	1.4
DD015928		0.005	0.09	1.21	25	0.09	9.29	144	1.5
DD015929		0.005	0.65	1.03	25	0.10	5.00	161	1.2
DD015930		0.006	0.12	2.22	27	0.08	7.55	126	1.5
DD015931		0.012	0.12	1.20	30	0.14	6.20	134	1.4
DD015932		<0.005	0.06	0.62	26	<0.05	6.03	112	1.7
DD015933		0.006	0.07	0.54	29	0.06	3.78	114	0.5



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To: **STRATEGIC METALS LTD.**  
**C/ O ARCHER, CATHRO & ASSOCIATES (1981)**  
**LIMITED**  
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**VANCOUVER BC V6B 1L8**

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**Account: MTT**

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134655**

	<b>CERTIFICATE COMMENTS</b>
--	-----------------------------

Applies to Method:



ALS Canada Ltd.  
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**1016- 510 W HASTINGS ST  
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**Finalized Date: 24- JUN- 2012**

**This copy reported on**

**19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12134656**

Project: Crag East 3  
 P.O. No.:  
 This report is for 35 Soil samples submitted to our lab in Whitehorse, YT, Canada on 15- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

**SAMPLE PREPARATION**

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

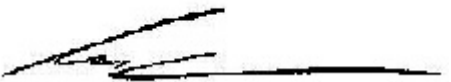
**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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<b>CERTIFICATE OF ANALYSIS WH12134656</b>
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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
DD015580		0.29	0.002	0.10	0.87	24.9	<0.2	<10	220	0.75	0.26	0.70	0.08	24.4	9.7	14
DD015581		0.16	0.003	0.13	0.87	74.5	<0.2	<10	220	0.91	0.36	1.24	0.18	19.40	12.2	13
DD015582		0.17	0.002	0.15	1.35	72	<0.2	10	180	0.93	0.24	10.05	0.23	32.7	10.4	17
DD015583		0.18	0.001	0.05	2.09	34.9	<0.2	<10	180	1.02	0.27	0.29	0.34	32.2	11.3	31
DD015584		0.26	0.003	0.10	1.60	54.6	<0.2	<10	610	1.20	0.27	2.04	0.10	25.3	9.9	28
DD015585		0.19	0.001	0.06	0.94	74.9	<0.2	<10	120	0.96	0.15	9.99	0.14	12.20	6.9	12
DD015586		0.15	0.001	0.05	1.11	36.7	<0.2	<10	190	0.99	0.19	7.28	0.17	16.90	8.5	14
DD015587		0.25	0.005	0.07	1.10	40.7	<0.2	<10	200	1.36	0.43	1.24	0.08	18.55	23.4	20
DD015588		0.23	0.004	0.19	1.16	31.3	<0.2	<10	160	0.95	0.27	2.23	0.53	21.0	15.3	21
DD015589		0.26	0.002	0.15	1.36	36.0	<0.2	<10	360	1.12	0.31	1.24	0.33	21.3	15.1	24
DD015590		0.25	0.002	0.12	0.94	29.7	<0.2	<10	180	0.94	0.27	2.78	0.40	15.00	13.1	18
DD015591		0.22	0.002	0.15	1.07	37.4	<0.2	<10	220	1.04	0.29	2.93	0.48	17.30	13.5	19
DD015592		0.25	0.003	0.07	1.18	65.6	<0.2	<10	180	1.08	0.35	0.70	0.10	22.2	15.3	20
DD015593		0.32	0.001	0.08	1.49	55.8	<0.2	<10	380	1.11	0.29	1.34	0.16	18.60	10.6	21
DD015601		0.18	0.002	0.12	1.30	49.7	<0.2	<10	220	0.91	0.28	0.72	0.14	22.5	12.5	26
DD015602		0.19	0.001	0.04	1.81	46.8	<0.2	<10	190	1.19	0.33	0.73	0.12	29.0	14.2	27
DD015603		0.27	0.001	0.07	1.51	27.9	<0.2	<10	170	1.11	0.31	0.69	0.12	24.6	13.1	25
DD015604		0.24	0.001	0.04	2.36	27.0	<0.2	<10	160	1.19	0.31	2.29	0.28	26.6	12.1	30
DD015605		0.19	0.002	0.09	1.29	39.8	<0.2	<10	110	0.73	0.17	9.84	0.47	18.00	7.6	16
DD015606		0.26	0.002	0.07	1.33	72.6	<0.2	<10	380	1.08	0.35	1.02	0.21	19.35	12.2	21
DD015607		0.28	0.002	0.08	1.40	79.9	<0.2	<10	160	1.07	0.33	3.56	0.15	17.70	15.8	21
DD015594		0.17	0.001	0.05	1.19	45.1	<0.2	<10	390	0.72	0.26	1.24	0.16	14.40	9.9	19
DD015595		0.17	0.002	0.08	1.05	75.1	<0.2	<10	220	0.97	0.35	2.48	0.13	17.70	14.9	19
DD015596		0.31	0.002	0.08	0.98	29.2	<0.2	<10	250	0.99	0.29	3.05	0.13	19.95	14.1	18
DD015597		0.16	0.001	0.05	1.42	50.4	<0.2	<10	240	0.89	0.29	0.72	0.20	18.05	12.8	22
DD015598		0.20	0.001	0.01	1.01	19.8	<0.2	<10	230	0.62	0.24	0.20	0.10	13.55	11.4	15
DD015599		0.20	0.005	0.07	1.17	52.4	<0.2	<10	220	0.78	0.27	1.70	0.15	14.40	11.8	19
DD015600		0.23	0.002	0.10	1.20	45.0	<0.2	<10	230	0.79	0.25	1.61	0.30	17.25	11.0	20
CC160839		0.27	0.002	0.12	1.14	33.9	<0.2	<10	100	0.60	0.20	6.96	0.31	16.95	9.8	17
CC160840		0.44	0.002	0.08	1.49	64.0	<0.2	<10	240	1.03	0.30	0.82	0.11	18.40	14.8	23
CC160841		0.25	0.002	0.08	0.74	42	<0.2	<10	90	0.52	0.15	11.30	0.13	13.00	7.3	11
CC160842		0.24	0.003	0.09	0.69	59	<0.2	<10	80	0.51	0.16	10.90	0.17	13.70	8.6	10
CC160843		0.48	0.003	0.21	1.05	39.0	<0.2	<10	260	0.85	0.26	2.93	0.90	16.45	14.0	18
CC160844		0.46	0.003	0.12	1.29	48.3	<0.2	<10	240	1.01	0.33	1.64	0.30	15.35	15.1	22
CC160845		0.36	0.002	0.11	1.19	45.7	<0.2	<10	200	0.90	0.30	2.07	0.37	15.90	16.0	20

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



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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 VANCOUVER BC V6B 1L8

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 Finalized Date: 24- JUN- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134656**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015580		0.80	18.7	3.13	2.82	<0.05	0.04	0.38	0.030	0.09	11.2	8.5	0.34	464	0.91	0.01
DD015581		2.71	28.4	3.21	2.68	<0.05	0.04	0.29	0.039	0.09	7.4	9.4	0.26	481	0.83	0.01
DD015582		1.02	21.9	3.87	3.76	0.08	0.09	0.16	0.022	0.10	18.0	7.3	4.74	1970	0.82	0.02
DD015583		1.32	10.7	3.73	6.92	<0.05	0.06	0.08	0.033	0.05	15.4	15.5	0.46	1060	0.84	0.01
DD015584		0.57	23.1	3.82	5.11	0.06	0.08	0.51	0.044	0.06	16.2	20.9	1.33	911	0.94	0.01
DD015585		0.55	13.7	3.23	2.74	<0.05	0.05	0.10	0.022	0.05	6.0	8.3	5.52	1340	0.59	0.01
DD015586		0.79	16.8	4.33	3.12	<0.05	0.03	0.11	0.028	0.05	8.2	8.4	3.93	1280	0.62	0.02
DD015587		11.30	33.4	4.92	4.45	0.05	0.05	0.13	0.032	0.22	5.6	21.2	0.65	2060	1.15	0.01
DD015588		3.23	30.3	3.57	3.69	<0.05	0.05	0.55	0.035	0.15	8.4	16.0	1.12	930	1.96	0.01
DD015589		1.09	31.1	3.85	4.30	0.05	0.04	0.54	0.041	0.14	8.9	17.7	0.60	628	1.86	0.01
DD015590		2.30	37.3	3.11	2.97	<0.05	0.04	0.48	0.032	0.12	5.9	11.9	1.06	775	1.22	0.01
DD015591		2.40	33.1	3.52	3.58	<0.05	0.04	0.48	0.037	0.13	7.3	13.6	1.39	857	1.46	0.01
DD015592		0.89	37.5	4.23	4.00	<0.05	0.04	0.60	0.043	0.10	8.7	13.3	0.44	1220	0.73	0.01
DD015593		1.00	25.3	3.53	4.59	0.05	0.05	0.41	0.039	0.09	9.7	16.3	0.61	624	0.71	0.01
DD015601		1.12	20.2	3.60	4.08	<0.05	0.04	0.27	0.035	0.09	9.7	15.1	0.48	780	1.38	0.01
DD015602		1.01	19.0	4.02	5.78	0.05	0.06	0.16	0.040	0.11	11.6	19.6	0.67	1120	0.80	0.01
DD015603		0.64	21.3	3.82	5.05	<0.05	0.05	0.20	0.037	0.11	10.0	16.8	0.55	1040	1.05	0.01
DD015604		1.04	11.8	4.31	7.23	0.05	0.07	0.06	0.039	0.07	12.4	21.8	1.68	1680	0.88	0.01
DD015605		0.51	17.2	3.45	3.46	<0.05	0.04	0.40	0.021	0.05	8.2	8.7	5.68	2000	0.77	0.02
DD015606		0.75	38.7	4.36	4.12	<0.05	0.03	0.63	0.045	0.07	7.3	21.9	0.67	868	0.79	0.01
DD015607		0.84	34.0	4.20	4.85	<0.05	0.04	0.37	0.040	0.08	7.1	17.8	1.72	1260	0.73	0.01
DD015594		2.45	16.1	3.04	3.88	<0.05	0.03	0.26	0.036	0.10	5.8	15.2	0.34	428	0.56	0.01
DD015595		2.25	48.9	3.86	3.81	0.05	0.04	0.72	0.040	0.11	6.8	13.5	1.35	822	0.87	0.01
DD015596		4.79	26.3	2.80	3.02	<0.05	0.04	0.22	0.038	0.11	8.4	10.8	1.55	1050	0.77	0.01
DD015597		0.97	22.4	3.95	4.77	0.07	0.07	0.26	0.036	0.08	7.4	14.0	0.48	1180	0.78	<0.01
DD015598		8.17	8.0	2.74	3.38	0.05	0.04	0.06	0.027	0.10	5.4	12.6	0.22	372	0.59	<0.01
DD015599		0.76	30.4	3.75	3.45	0.06	0.09	0.53	0.032	0.09	6.2	10.8	0.71	850	0.94	<0.01
DD015600		0.73	24.8	3.61	3.60	0.07	0.06	0.28	0.035	0.08	7.1	11.1	0.79	1160	0.80	<0.01
CC160839		0.66	23.3	3.50	3.32	0.07	0.08	0.43	0.028	0.06	8.7	9.2	4.22	1560	0.79	0.01
CC160840		0.67	41.7	4.42	4.61	0.08	0.09	0.82	0.051	0.07	8.0	12.9	0.59	1250	1.03	<0.01
CC160841		0.42	13.2	2.43	2.07	0.06	0.08	0.22	0.017	0.06	6.9	5.5	6.77	883	0.51	0.01
CC160842		0.87	18.1	2.53	1.95	0.06	0.09	0.43	0.016	0.05	7.0	5.2	6.52	918	0.55	0.01
CC160843		1.74	36.8	3.47	3.45	0.08	0.07	0.69	0.035	0.13	7.1	14.4	0.98	563	2.32	0.01
CC160844		1.66	38.0	3.88	4.44	0.07	0.08	0.62	0.040	0.14	6.5	17.7	0.88	731	1.32	<0.01
CC160845		1.52	37.3	3.81	3.97	0.07	0.08	0.68	0.040	0.13	6.3	15.5	1.10	860	1.38	0.01

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134656**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015580		0.35	21.6	200	24.6	10.5	<0.001	0.01	0.50	4.6	0.7	0.4	21.4	<0.01	0.01	4.1
DD015581		0.28	27.4	380	30.5	11.6	<0.001	0.04	0.72	4.3	1.0	0.5	57.1	<0.01	0.02	2.5
DD015582		0.36	20.8	1310	36.2	7.4	<0.001	0.06	2.67	3.3	1.0	0.5	54.0	<0.01	0.08	1.5
DD015583		0.93	22.0	160	37.9	11.5	<0.001	0.01	0.56	5.0	0.4	0.8	11.3	<0.01	0.01	4.3
DD015584		0.51	24.0	290	30.9	7.5	<0.001	0.02	0.63	6.9	1.3	0.6	25.8	<0.01	0.04	4.5
DD015585		0.26	13.0	880	17.9	7.2	<0.001	0.05	0.88	2.2	0.8	0.4	65.8	<0.01	0.01	1.0
DD015586		0.33	15.4	890	22.3	4.9	<0.001	0.06	0.95	2.6	1.0	0.4	47.3	<0.01	0.02	0.8
DD015587		0.48	34.7	400	28.3	25.1	<0.001	0.06	0.61	4.1	0.8	0.7	27.6	<0.01	0.02	4.0
DD015588		0.34	33.3	720	25.5	16.4	<0.001	0.04	0.87	4.6	1.5	0.5	37.5	<0.01	0.02	3.2
DD015589		0.37	35.8	310	27.3	10.4	<0.001	0.02	0.85	5.6	0.9	0.6	29.9	<0.01	0.03	3.7
DD015590		0.39	26.9	550	23.4	12.3	<0.001	0.06	0.75	4.4	1.2	0.5	44.9	<0.01	0.03	2.3
DD015591		0.40	30.2	610	25.0	13.7	<0.001	0.04	1.05	5.0	1.4	0.5	41.4	<0.01	0.02	2.5
DD015592		0.47	25.5	210	37.9	9.4	<0.001	0.02	0.65	6.4	0.9	0.6	18.7	<0.01	0.02	4.9
DD015593		0.54	22.4	250	39.0	9.0	<0.001	0.02	0.51	5.3	1.0	0.7	26.5	<0.01	<0.01	3.5
DD015601		0.65	26.3	260	22.5	9.0	<0.001	0.01	0.83	4.5	1.0	0.6	19.5	<0.01	0.02	3.7
DD015602		0.53	25.1	150	27.9	13.1	<0.001	<0.01	0.72	5.7	0.9	0.7	12.6	<0.01	0.02	5.4
DD015603		0.49	23.8	160	25.1	12.5	<0.001	0.01	0.49	5.1	0.6	0.6	12.1	<0.01	0.02	6.2
DD015604		0.88	22.7	220	22.7	12.8	<0.001	0.02	0.56	5.4	0.7	0.8	13.3	<0.01	0.04	4.3
DD015605		0.34	15.2	1350	46.3	7.6	<0.001	0.07	1.52	1.9	0.8	0.4	44.5	<0.01	0.02	0.8
DD015606		0.52	22.7	390	37.2	8.6	<0.001	0.02	0.84	5.3	1.1	0.6	12.0	<0.01	0.02	3.5
DD015607		0.54	26.6	390	32.8	9.5	<0.001	0.03	0.87	4.8	0.8	0.6	27.9	<0.01	0.02	2.4
DD015594		0.70	16.3	300	17.7	16.8	<0.001	0.04	0.53	4.1	0.6	0.5	34.0	<0.01	0.01	2.5
DD015595		0.45	28.8	470	30.8	14.9	<0.001	0.03	0.80	6.0	0.9	0.5	34.6	<0.01	0.04	4.3
DD015596		0.52	21.2	320	12.8	22.2	<0.001	0.03	0.58	7.6	0.9	0.5	38.0	<0.01	0.03	3.3
DD015597		0.66	22.2	150	28.7	11.8	<0.001	0.01	0.81	4.7	0.5	0.6	16.6	<0.01	0.04	3.6
DD015598		0.61	13.8	110	11.8	18.6	<0.001	<0.01	0.54	2.7	0.2	0.5	8.8	<0.01	0.03	2.5
DD015599		0.50	23.8	320	28.2	7.5	<0.001	0.03	0.93	4.7	0.7	0.4	23.3	<0.01	0.04	3.1
DD015600		0.57	21.0	360	24.4	8.4	<0.001	0.03	0.82	3.8	0.7	0.5	19.3	<0.01	0.03	1.8
CC160839		0.47	20.7	810	28.9	7.5	<0.001	0.04	1.21	3.6	0.9	0.4	26.9	<0.01	0.05	1.5
CC160840		0.51	29.5	200	31.9	9.2	<0.001	0.01	0.86	6.5	1.1	0.6	10.5	0.01	0.05	3.8
CC160841		0.34	13.3	720	20.9	5.1	<0.001	0.04	1.23	3.0	0.6	0.3	59.1	<0.01	0.05	1.0
CC160842		0.29	17.0	940	28.0	4.5	<0.001	0.04	2.31	2.4	0.7	0.3	43.0	<0.01	0.07	1.1
CC160843		0.38	36.5	700	25.2	9.3	0.001	0.05	1.56	5.4	1.3	0.5	57.0	<0.01	0.05	3.7
CC160844		0.45	32.8	510	26.9	11.3	<0.001	0.03	1.14	5.9	1.0	0.6	32.6	<0.01	0.05	3.7
CC160845		0.46	32.7	550	28.8	9.5	0.001	0.03	1.15	5.6	0.9	0.6	35.1	<0.01	0.04	4.1

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



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134656**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015580		0.005	0.14	0.56	20	0.07	10.70	70	1.8
DD015581		<0.005	0.19	1.11	18	0.17	8.97	115	1.6
DD015582		0.009	0.43	2.05	27	0.14	19.90	45	2.7
DD015583		0.016	0.30	1.46	50	0.15	9.12	111	2.5
DD015584		0.006	0.18	1.12	33	0.10	20.7	80	2.4
DD015585		0.005	0.13	1.28	19	0.08	7.86	52	1.5
DD015586		0.006	0.12	0.82	23	0.14	11.65	47	0.8
DD015587		0.015	0.35	1.90	20	0.05	9.42	68	1.3
DD015588		0.006	0.25	1.78	38	0.06	10.50	152	1.8
DD015589		<0.005	0.21	0.63	42	0.05	11.00	140	1.7
DD015590		0.005	0.19	1.17	26	0.09	8.41	112	1.5
DD015591		0.005	0.22	1.10	28	0.07	9.71	122	1.6
DD015592		0.006	0.19	0.87	26	0.07	11.00	97	1.6
DD015593		0.006	0.23	1.03	30	0.10	10.45	86	1.6
DD015601		0.013	0.19	0.77	43	0.15	6.84	84	1.6
DD015602		0.009	0.23	0.86	34	0.13	8.39	86	2.6
DD015603		0.006	0.17	0.86	36	0.10	9.34	88	2.3
DD015604		0.013	0.15	0.77	47	0.13	8.45	128	2.5
DD015605		0.012	0.26	1.07	26	0.11	8.67	89	1.4
DD015606		0.007	0.12	0.94	27	0.09	9.04	108	1.2
DD015607		0.007	0.27	0.55	25	0.09	10.20	90	1.2
DD015594		0.009	0.12	1.70	25	0.11	3.71	80	1.2
DD015595		0.008	0.22	1.03	23	0.07	8.83	106	1.7
DD015596		0.012	0.11	1.21	22	0.10	9.62	63	1.1
DD015597		0.009	0.16	1.03	32	0.12	7.69	90	1.9
DD015598		0.010	0.10	0.37	22	0.10	2.14	55	1.4
DD015599		0.006	0.19	0.89	26	0.09	9.03	96	2.4
DD015600		0.009	0.13	0.67	27	0.15	8.77	92	1.3
CC160839		0.009	0.20	1.35	27	0.11	11.65	131	1.6
CC160840		0.005	0.19	1.20	32	0.10	17.05	108	2.4
CC160841		0.006	0.20	0.86	17	0.11	9.72	38	2.1
CC160842		0.005	0.24	1.39	15	0.11	10.45	46	2.2
CC160843		0.005	0.25	1.00	38	0.08	10.80	174	2.4
CC160844		0.005	0.22	0.69	29	0.07	10.40	135	2.0
CC160845		0.005	0.23	0.72	29	0.07	10.05	144	2.5





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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12134656**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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**Account: MTT**

**CERTIFICATE WH12138335**

Project: Crag East 1  
 P.O. No.:  
 This report is for 15 Rock samples submitted to our lab in Whitehorse, YT, Canada on 17- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12138335**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
I079774		1.04	0.001	0.12	1.16	57.7	<0.2	<10	140	0.87	0.23	3.64	0.64	17.60	12.8	17
I079775		1.17	0.002	0.15	1.43	28.9	<0.2	10	350	1.00	0.23	5.79	0.65	19.25	13.3	21
I079776		0.77	0.002	0.02	0.64	22.5	<0.2	<10	80	0.34	0.20	0.05	0.09	16.80	7.6	12
I079777		1.18	0.002	0.14	1.33	24.5	<0.2	<10	140	0.97	0.25	5.36	0.47	16.75	14.1	23
I079778		1.49	0.002	0.15	1.22	36.8	<0.2	<10	330	0.98	0.25	5.47	0.73	17.25	14.1	21
I079779		1.62	0.002	0.08	1.55	18.7	<0.2	<10	230	1.17	0.28	4.93	0.27	17.70	14.0	23
I079780		0.89	0.003	0.12	1.46	49.7	<0.2	<10	220	1.30	0.32	3.33	0.26	17.00	16.5	31
I079781		1.34	0.003	0.06	0.71	14.0	<0.2	10	110	1.33	0.39	0.32	0.02	16.45	18.8	26
I079782		1.07	0.002	0.08	1.05	104.5	<0.2	<10	150	1.07	0.31	3.66	0.11	15.60	15.7	21
I079783		1.03	0.002	0.06	1.38	31.3	<0.2	<10	140	1.21	0.33	3.34	0.09	16.00	15.6	35
I079784		1.15	0.001	0.08	0.95	126.5	<0.2	<10	200	0.86	0.26	4.58	0.15	15.95	12.6	19
I079785		1.19	0.001	0.07	1.35	71.6	<0.2	<10	180	0.99	0.28	4.09	0.12	20.8	15.2	29
I079786		1.43	0.003	0.07	1.03	57.4	<0.2	<10	150	1.06	0.27	3.84	0.11	20.4	16.1	23
I079787		1.58	0.002	0.01	0.34	43	<0.2	10	30	0.29	0.08	15.30	0.01	9.04	4.3	5
I079788		1.56	0.002	0.04	0.22	243	<0.2	10	40	0.21	0.04	11.05	0.19	5.05	3.6	8

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



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12138335**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
I079774		3.75	38.1	3.27	4.18	0.07	0.08	5.35	0.038	0.23	7.5	22.3	1.23	835	1.55	0.02
I079775		1.82	34.5	3.13	4.78	0.07	0.12	0.32	0.038	0.33	8.5	23.1	1.17	532	1.80	0.03
I079776		0.83	12.6	2.42	2.72	<0.05	0.02	0.19	0.022	0.16	7.8	7.7	0.10	359	1.46	0.01
I079777		1.89	36.4	3.39	4.67	0.06	0.10	0.53	0.040	0.28	7.0	22.1	1.16	827	1.46	0.03
I079778		2.39	34.7	3.35	4.26	0.06	0.12	0.70	0.037	0.22	7.5	21.7	1.31	702	2.24	0.02
I079779		1.37	32.9	3.33	5.57	0.06	0.09	0.32	0.038	0.27	7.2	27.4	1.54	763	0.95	0.03
I079780		2.14	33.4	3.52	5.21	0.06	0.10	0.39	0.041	0.25	7.0	25.5	1.13	876	1.22	0.02
I079781		3.49	37.0	4.10	2.55	0.07	0.12	0.10	0.031	0.36	6.1	15.1	0.20	666	0.69	0.01
I079782		3.12	41.4	3.60	3.70	0.06	0.06	0.61	0.039	0.21	5.9	17.7	0.85	1130	0.73	0.02
I079783		2.00	34.3	3.82	4.95	0.07	0.09	0.30	0.040	0.28	6.6	27.7	0.95	919	0.77	0.03
I079784		1.74	29.9	3.23	3.27	0.06	0.05	1.96	0.035	0.16	6.4	18.2	1.09	1070	0.83	0.02
I079785		3.22	34.1	3.76	4.78	0.07	0.14	0.85	0.037	0.24	8.8	25.8	1.23	1060	0.63	0.03
I079786		7.26	32.3	3.66	3.55	0.06	0.05	0.29	0.039	0.17	9.0	18.8	1.19	1120	0.65	0.02
I079787		5.41	5.1	1.30	1.14	<0.05	0.05	0.22	0.012	0.15	4.4	3.6	8.94	763	0.08	0.02
I079788		4.13	5.2	1.34	0.70	<0.05	0.08	3.14	0.008	0.07	2.3	2.0	6.03	1210	0.26	0.02

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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12138335**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
I079774		0.31	30.1	510	36.3	22.4	0.001	0.02	4.52	5.7	0.7	0.7	84.3	<0.01	0.04	4.8
I079775		0.17	33.1	650	19.6	21.1	0.001	0.04	0.66	6.5	0.9	0.6	201	<0.01	0.04	4.8
I079776		0.43	10.5	120	17.9	12.5	<0.001	<0.01	0.59	2.2	0.3	0.4	13.0	<0.01	0.02	4.0
I079777		0.20	31.2	530	26.0	20.1	0.001	0.02	0.57	6.3	0.8	0.6	139.0	<0.01	0.04	4.5
I079778		0.20	33.9	560	23.3	15.4	0.001	0.03	0.88	6.2	0.9	0.5	133.5	<0.01	0.04	4.6
I079779		0.18	28.2	480	21.3	17.1	0.001	0.02	0.38	6.6	0.6	0.7	123.0	<0.01	0.03	4.9
I079780		0.24	32.4	420	23.3	17.1	0.001	0.01	0.55	6.3	0.6	0.7	78.8	<0.01	0.03	4.9
I079781		0.06	34.1	400	20.0	23.1	0.001	0.13	0.16	5.4	0.3	0.5	39.9	<0.01	0.03	6.3
I079782		0.26	29.1	450	28.8	14.7	0.001	0.02	0.70	6.3	0.5	0.6	79.9	<0.01	0.03	4.6
I079783		0.27	33.0	340	27.2	19.0	<0.001	0.02	0.39	6.0	0.5	0.7	81.6	<0.01	0.03	5.7
I079784		0.50	24.4	370	25.9	11.0	0.001	0.02	1.08	5.4	0.5	0.5	110.5	<0.01	0.03	3.8
I079785		0.22	28.9	440	22.5	15.3	<0.001	0.01	1.27	5.9	0.3	0.6	99.0	<0.01	0.03	5.5
I079786		0.61	25.8	380	22.0	11.9	<0.001	0.01	1.23	6.2	0.4	0.5	98.1	<0.01	0.04	5.2
I079787		0.09	6.3	240	7.7	7.3	0.001	<0.01	0.61	3.6	0.3	0.2	86.6	<0.01	0.04	2.6
I079788		0.08	8.0	180	29.1	4.0	<0.001	0.02	6.18	2.4	0.3	0.2	97.3	<0.01	0.03	2.3

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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12138335**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079774		0.007	0.60	0.74	29	0.05	9.14	181	3.7
1079775		0.005	0.23	1.04	38	0.33	10.80	124	5.3
1079776		0.006	0.14	0.45	22	0.05	2.14	63	1.3
1079777		0.006	0.36	0.89	32	0.52	9.68	112	4.3
1079778		0.005	0.41	1.03	32	0.23	9.95	131	4.5
1079779		0.005	0.19	0.93	28	0.14	9.03	98	3.9
1079780		0.005	0.23	0.72	29	0.39	8.54	105	4.1
1079781		<0.005	0.20	0.52	16	0.22	7.01	74	4.5
1079782		0.005	0.37	0.63	19	0.37	8.99	92	2.5
1079783		0.005	0.22	0.64	21	0.51	8.33	89	3.5
1079784		0.006	0.38	0.62	19	0.48	7.84	87	1.7
1079785		0.014	0.24	0.83	23	0.24	7.33	92	5.4
1079786		0.008	0.21	0.62	21	0.22	7.77	74	2.3
1079787		<0.005	0.23	0.29	6	0.06	5.84	16	2.1
1079788		<0.005	1.89	0.62	7	0.25	5.81	59	3.8

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**CERTIFICATE OF ANALYSIS WH12138335**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 22- JUN- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12138553**

Project: Crag East 1  
 P.O. No.:  
 This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 18- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

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

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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 WH12138553**

Sample Description	Method Analyte Units LOR	As- OG46 As % 0.01
I079703		4.10
I079705		7.30
I079706		1.63
I079708		1.89



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**CERTIFICATE WH12139325**

Project: Crag East 1  
 P.O. No.:  
 This report is for 10 Rock samples submitted to our lab in Whitehorse, YT, Canada on 18- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

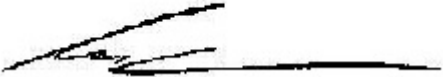
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%< 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12139325**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
1079789		0.46	0.002	0.05	0.66	31.8	<0.2	10	120	0.93	0.30	0.08	0.05	11.95	11.7	53
1079790		0.44	0.002	0.22	0.63	41.1	<0.2	20	80	1.10	0.31	0.29	0.09	6.67	13.4	14
1079791		0.34	0.021	0.22	0.76	61.0	<0.2	10	110	0.81	0.28	0.20	0.09	7.86	12.5	51
1079792		0.58	0.003	0.03	0.23	22	<0.2	<10	30	0.18	0.02	19.15	0.04	6.29	1.5	2
1079724		0.46	0.003	0.28	0.18	128.0	<0.2	<10	140	0.09	0.03	0.08	0.03	0.96	0.4	17
1079725		0.56	0.002	0.18	0.34	11.7	<0.2	<10	460	0.26	0.07	0.18	0.27	4.76	0.5	19
1079726		0.57	0.003	0.41	0.09	231	<0.2	<10	40	0.06	0.04	0.03	0.04	0.61	1.4	21
1079727		0.38	0.002	0.05	0.07	4.9	<0.2	<10	60	0.09	0.12	0.85	0.09	0.39	0.7	23
1079728		0.30	0.002	0.01	0.02	3.0	<0.2	<10	110	0.06	0.04	0.01	0.01	0.11	0.3	29
1079729		0.73	0.003	0.17	0.48	35.8	<0.2	<10	170	0.37	0.20	0.16	0.29	2.52	6.9	23



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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12139325**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
1079789		6.98	34.6	3.95	1.29	0.05	0.06	0.06	0.029	0.23	4.8	6.6	0.06	377	1.22	0.02
1079790		13.85	38.6	3.92	1.50	0.05	0.12	0.90	0.038	0.30	2.7	4.7	0.04	387	0.93	0.01
1079791		7.51	30.9	3.80	2.00	0.06	0.08	0.74	0.031	0.26	3.0	7.7	0.10	567	1.21	0.02
1079792		0.78	4.6	1.38	0.56	<0.05	0.03	0.16	0.006	0.05	2.8	2.5	10.30	1280	0.14	0.03
1079724		0.55	6.8	0.81	0.62	<0.05	0.03	4.20	<0.005	0.06	0.4	3.4	0.03	42	0.55	0.01
1079725		2.01	19.2	0.49	1.18	0.06	0.04	0.59	0.011	0.09	2.6	5.1	0.03	37	1.23	0.01
1079726		0.45	13.8	1.02	0.48	<0.05	0.04	3.87	<0.005	0.03	0.3	0.9	0.01	37	0.54	0.01
1079727		0.20	12.3	0.48	0.33	<0.05	0.03	0.19	<0.005	0.02	0.3	0.7	0.01	108	0.27	<0.01
1079728		0.16	5.9	0.51	0.17	<0.05	<0.02	0.10	<0.005	0.01	<0.2	0.3	<0.01	42	0.22	<0.01
1079729		5.99	107.5	10.70	3.16	0.17	0.06	0.28	0.075	0.14	1.5	3.3	0.04	677	24.7	0.01

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To: STRATEGIC METALS LTD.  
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 LIMITED  
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 Plus Appendix Pages  
 Finalized Date: 4- JUL- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12139325**

Sample Description	Method Analyte Units LOR	ME- MS41 Nb ppm 0.05	ME- MS41 Ni ppm 0.2	ME- MS41 P ppm 10	ME- MS41 Pb ppm 0.2	ME- MS41 Rb ppm 0.1	ME- MS41 Re ppm 0.001	ME- MS41 S % 0.01	ME- MS41 Sb ppm 0.05	ME- MS41 Sc ppm 0.1	ME- MS41 Se ppm 0.2	ME- MS41 Sn ppm 0.2	ME- MS41 Sr ppm 0.2	ME- MS41 Ta ppm 0.01	ME- MS41 Te ppm 0.01	ME- MS41 Th ppm 0.2
1079789		0.09	38.7	100	22.8	11.2	<0.001	0.01	0.52	4.4	0.6	0.2	9.0	<0.01	0.07	2.7
1079790		0.06	43.4	830	52.4	15.8	0.002	0.04	0.31	7.1	0.8	0.4	35.1	<0.01	0.06	4.4
1079791		0.18	43.9	350	30.0	13.0	0.001	0.01	0.34	5.5	0.7	0.4	17.7	<0.01	0.04	4.1
1079792		0.18	3.7	160	8.8	3.0	<0.001	0.02	0.25	1.5	0.5	<0.2	90.2	<0.01	0.02	0.5
1079724		0.05	4.5	220	42.0	2.6	0.001	0.25	2.02	0.5	0.7	0.2	20.6	<0.01	0.02	0.5
1079725		0.16	9.3	1220	4.9	5.1	0.005	0.06	1.13	0.7	1.2	0.4	366	<0.01	0.03	1.0
1079726		<0.05	13.3	120	78.8	1.8	0.002	0.62	3.55	0.6	0.7	0.3	30.4	<0.01	0.02	0.2
1079727		<0.05	3.3	100	1.4	1.2	<0.001	<0.01	0.95	0.8	0.2	0.7	19.4	<0.01	0.01	<0.2
1079728		<0.05	1.9	20	0.8	0.5	<0.001	<0.01	0.36	0.4	<0.2	0.3	4.5	<0.01	<0.01	<0.2
1079729		0.37	22.6	290	6.5	10.7	0.004	<0.01	1.66	5.1	2.8	0.4	36.0	0.01	0.08	0.8

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



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 Finalized Date: 4- JUL- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12139325**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079789		<0.005	0.17	0.55	15	0.32	6.58	74	2.9
1079790		<0.005	0.81	0.56	14	0.08	8.84	143	5.6
1079791		<0.005	0.61	0.58	16	0.25	8.17	117	3.7
1079792		<0.005	0.12	0.64	4	<0.05	4.64	15	1.0
1079724		<0.005	0.78	0.48	24	0.08	1.33	5	1.1
1079725		<0.005	0.27	1.74	67	<0.05	4.59	6	1.4
1079726		<0.005	1.52	0.36	14	0.06	1.05	6	1.3
1079727		<0.005	0.02	0.40	5	<0.05	3.43	21	0.9
1079728		<0.005	<0.02	0.16	1	<0.05	0.44	3	0.5
1079729		<0.005	1.12	0.99	76	0.08	2.60	457	3.3

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



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**Account: MTT**

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12139325**

<b>CERTIFICATE COMMENTS</b>	
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Applies to Method:



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**Finalized Date: 13- JUL- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12143039**

Project: Crag East 3  
 P.O. No.:  
 This report is for 44 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015401		0.16	0.002	0.07	1.42	193.5	<0.2	<10	220	0.97	0.22	6.88	0.23	14.85	7.6	15
DD015402		0.18	0.002	0.11	0.63	112.5	<0.2	<10	130	1.37	0.47	0.26	0.06	13.95	14.0	6
DD015403		0.24	0.003	0.15	1.16	92.2	<0.2	<10	180	0.98	0.26	3.63	0.22	19.80	10.0	16
DD015404		0.21	0.003	0.15	0.68	151	<0.2	<10	130	0.77	0.19	10.05	0.51	24.4	7.8	12
DD015405		0.31	0.003	0.05	0.33	4.9	<0.2	<10	140	1.34	0.40	0.45	0.02	12.50	13.1	10
DD015406		0.32	0.002	0.10	0.87	53.3	<0.2	<10	320	1.20	0.38	2.01	0.13	17.10	11.5	15
DD015407		0.32	0.002	0.11	0.64	41.9	<0.2	<10	80	1.27	0.51	0.24	0.12	20.4	15.7	15
DD015408		0.18	0.003	0.12	0.48	40.6	<0.2	<10	100	1.12	0.46	1.29	0.16	14.25	17.9	12
DD015409		0.29	0.002	0.05	0.55	64.5	<0.2	<10	160	1.28	0.26	0.28	0.14	8.50	16.7	22
DD015410		0.14	0.002	0.10	1.01	133.5	<0.2	<10	140	0.73	0.26	2.43	0.33	24.3	10.9	16
DD015411		0.25	0.001	0.13	1.26	79.0	<0.2	<10	130	0.73	0.23	5.41	0.35	20.4	9.7	19
DD015412		0.28	0.001	0.03	0.05	28	<0.2	<10	30	0.33	0.01	18.60	0.13	1.07	0.3	1
DD015413		0.17	0.002	0.10	0.69	129.0	<0.2	<10	90	0.59	0.18	0.19	0.12	12.30	8.4	13
DD015414		0.20	0.004	0.05	0.84	137.5	<0.2	<10	110	0.31	0.37	0.04	0.41	15.80	10.0	18
DD015415		0.13	0.006	0.10	0.71	108	<0.2	<10	140	0.40	0.16	10.60	0.36	15.80	6.6	11
DD015416		0.20	0.002	0.09	0.88	406	<0.2	<10	120	0.85	0.10	11.30	0.32	13.85	4.3	12
DD015417		0.24	0.002	0.13	1.26	225	<0.2	<10	180	0.88	0.26	4.79	0.40	18.15	11.6	18
DD015418		0.18	0.002	0.14	1.79	175.0	<0.2	<10	270	0.97	0.29	0.40	0.27	25.1	10.2	25
DD015419		0.14	0.003	0.11	1.61	203	<0.2	<10	150	1.17	0.18	8.26	0.32	21.0	5.9	19
DD015420		0.12	0.003	0.19	1.47	380	<0.2	<10	250	0.76	0.27	2.03	0.91	22.2	10.3	23
DD015421		0.19	0.004	0.18	1.26	74.0	<0.2	<10	200	0.73	0.26	1.85	0.33	20.3	9.9	20
DD015422		0.20	0.004	0.12	0.85	193.0	<0.2	<10	130	0.53	0.16	6.70	0.57	15.65	7.0	15
DD015423		0.23	0.003	0.17	1.46	229	<0.2	<10	210	0.98	0.27	0.91	0.71	24.3	11.8	23
DD015424		0.14	0.003	0.15	1.17	338	<0.2	<10	150	0.79	0.21	6.96	0.43	22.7	8.2	18
DD015425		0.18	0.003	0.16	1.21	100.5	<0.2	<10	240	0.67	0.22	7.28	0.68	27.9	8.7	18
DD015426		0.31	0.003	0.14	1.24	49.8	<0.2	<10	220	0.81	0.27	0.76	0.37	18.85	11.2	21
DD015427		0.22	0.003	0.14	1.38	72.1	<0.2	<10	230	1.08	0.17	7.78	1.08	23.2	6.6	16
DD015428		0.28	0.013	0.15	1.32	45.7	<0.2	<10	450	0.92	0.29	1.42	0.30	21.1	12.5	22
DD015429		0.12	0.003	0.15	1.33	36.4	<0.2	<10	270	0.84	0.24	1.41	0.76	19.90	11.1	21
DD015430		0.31	0.003	0.13	1.19	44.2	<0.2	<10	230	1.02	0.30	0.98	0.57	19.55	13.4	21
DD015431		0.22	0.002	0.20	1.50	39.4	<0.2	<10	430	0.99	0.30	0.70	0.98	23.2	12.8	26
DD015432		0.33	0.003	0.16	1.38	24.4	<0.2	<10	320	1.12	0.30	1.05	0.39	14.85	12.1	23
DD015433		0.23	0.002	0.09	1.85	46.7	<0.2	<10	210	0.91	0.27	2.15	0.23	23.2	10.2	25
DD015434		0.17	0.001	0.03	1.56	30.8	<0.2	<10	230	0.50	0.28	0.15	0.20	15.00	7.3	22
DD015435		0.18	0.002	0.04	1.52	51.2	<0.2	<10	200	0.96	0.33	0.11	0.28	14.45	12.7	24
DD015436		0.15	0.005	0.18	1.29	176.0	<0.2	<10	200	1.02	0.25	2.92	0.82	22.2	10.8	20
DD015437		0.24	0.002	0.16	0.99	38.1	<0.2	<10	180	0.75	0.23	1.09	0.15	16.45	8.4	18
DD015438		0.12	0.002	0.19	0.83	32.5	<0.2	<10	180	0.70	0.20	1.51	0.22	27.4	8.2	17
DD015439		0.18	0.004	0.24	0.46	31.2	<0.2	<10	150	0.78	0.27	2.84	0.22	18.65	8.7	7
DD015440		0.16	0.002	0.23	0.51	30.9	<0.2	<10	100	0.94	0.32	1.59	0.21	19.70	10.0	8



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 Finalized Date: 13- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015401		1.60	14.1	3.90	3.49	0.06	0.05	0.74	0.027	0.06	7.0	11.6	4.46	1620	0.68	0.01
DD015402		4.75	23.3	3.29	1.37	<0.05	0.04	4.35	0.033	0.06	6.0	3.0	0.10	447	0.45	<0.01
DD015403		1.40	19.6	3.44	3.12	<0.05	0.07	1.35	0.030	0.06	8.5	8.2	2.13	1220	0.65	0.01
DD015404		1.02	19.4	4.33	1.99	0.06	0.08	1.59	0.024	0.07	11.4	4.7	5.56	1640	0.48	0.02
DD015405		8.74	23.0	3.45	1.53	<0.05	0.06	0.06	0.019	0.12	5.3	3.1	0.22	448	0.18	<0.01
DD015406		3.89	28.1	3.50	2.77	<0.05	0.06	0.29	0.025	0.11	7.3	8.0	1.13	696	0.54	0.01
DD015407		5.11	42.8	4.85	2.65	<0.05	0.07	0.37	0.045	0.09	8.7	9.0	0.21	953	0.65	<0.01
DD015408		3.20	33.1	3.42	1.91	<0.05	0.07	0.31	0.028	0.13	7.6	3.2	0.64	811	0.58	<0.01
DD015409		5.17	26.8	4.26	2.08	<0.05	0.07	1.56	0.035	0.10	4.7	2.9	0.13	2060	0.63	<0.01
DD015410		0.65	17.9	3.31	2.89	<0.05	0.08	1.84	0.028	0.07	12.7	7.3	1.40	1300	0.72	0.01
DD015411		0.71	17.4	3.26	3.24	<0.05	0.07	0.41	0.022	0.09	9.0	11.6	3.39	1120	1.06	0.02
DD015412		0.05	1.3	1.23	0.18	<0.05	0.02	0.95	<0.005	<0.01	0.7	0.8	11.30	1260	0.11	0.02
DD015413		1.38	13.8	2.52	1.99	<0.05	0.03	2.62	0.030	0.05	7.8	4.4	0.13	324	0.56	<0.01
DD015414		28.7	14.3	4.05	5.26	<0.05	<0.02	0.03	0.024	0.08	7.8	5.7	0.10	478	1.15	<0.01
DD015415		4.54	14.3	2.73	1.89	<0.05	0.05	0.99	0.017	0.04	8.3	5.9	6.24	1600	0.49	0.02
DD015416		0.70	9.3	3.19	1.92	<0.05	0.05	1.09	0.012	0.03	10.2	4.8	7.19	2300	0.45	0.02
DD015417		0.70	25.8	3.42	3.69	<0.05	0.07	1.71	0.025	0.08	7.7	11.9	2.92	1120	1.01	0.01
DD015418		0.85	16.0	4.24	4.15	<0.05	0.06	1.54	0.032	0.06	7.8	11.9	0.37	1240	0.89	0.01
DD015419		0.93	13.2	3.42	3.36	0.05	0.07	1.12	0.022	0.05	12.2	11.4	5.30	1480	0.73	0.02
DD015420		0.87	19.8	4.02	3.89	<0.05	0.07	2.51	0.029	0.05	10.6	10.1	0.99	1820	0.82	0.01
DD015421		0.65	20.9	3.63	3.69	<0.05	0.06	0.99	0.030	0.06	9.8	11.7	1.14	1080	1.01	0.01
DD015422		0.86	12.7	2.84	2.32	<0.05	0.06	2.09	0.023	0.05	7.1	6.9	3.88	1420	0.70	0.01
DD015423		0.84	23.3	4.32	4.27	0.05	0.09	2.10	0.036	0.08	11.0	13.1	0.57	1930	1.02	0.01
DD015424		0.76	17.0	4.04	2.96	0.05	0.06	1.60	0.022	0.07	11.9	8.3	4.09	2540	0.75	0.02
DD015425		0.66	16.2	5.70	3.05	0.05	0.05	1.79	0.027	0.04	17.5	6.5	4.10	4080	0.76	0.02
DD015426		0.63	24.5	4.12	3.58	<0.05	0.07	1.29	0.029	0.07	9.9	13.2	0.51	885	1.07	0.01
DD015427		0.74	12.8	3.84	3.28	0.06	0.06	0.95	0.025	0.06	12.9	10.6	4.78	1770	0.88	0.02
DD015428		0.79	26.4	4.02	4.04	<0.05	0.07	0.82	0.031	0.08	9.6	15.2	0.91	879	1.32	0.02
DD015429		0.55	21.8	3.26	4.16	<0.05	0.04	0.59	0.029	0.06	8.3	12.9	0.47	988	1.05	0.01
DD015430		0.79	32.6	4.07	3.74	<0.05	0.05	1.00	0.034	0.08	8.8	14.2	0.68	876	1.29	0.01
DD015431		0.98	29.4	4.42	4.47	<0.05	0.12	0.80	0.038	0.09	10.5	16.3	0.41	661	1.33	0.01
DD015432		1.24	33.7	3.73	4.32	<0.05	0.06	0.41	0.037	0.12	7.9	18.2	0.65	600	1.33	0.01
DD015433		0.73	13.1	4.04	5.16	<0.05	0.07	0.41	0.030	0.07	9.9	13.8	1.36	1180	0.92	0.01
DD015434		0.93	10.6	3.26	5.54	<0.05	0.03	0.39	0.025	0.04	7.2	15.5	0.30	415	1.02	0.01
DD015435		1.41	32.1	4.23	4.68	<0.05	0.03	1.11	0.036	0.09	6.1	18.3	0.30	591	1.67	0.01
DD015436		0.79	22.4	3.68	3.64	0.05	0.07	1.47	0.032	0.09	9.1	12.2	1.63	1280	1.26	0.01
DD015437		2.54	16.2	2.89	2.78	<0.05	0.05	0.96	0.026	0.08	7.4	9.7	0.28	372	0.76	0.01
DD015438		2.27	14.0	2.52	2.36	<0.05	0.05	1.02	0.028	0.06	9.8	7.5	0.19	642	0.61	0.01
DD015439		6.93	19.0	2.86	1.37	0.09	0.06	0.79	0.030	0.08	7.8	3.5	0.91	435	0.60	0.01
DD015440		12.85	26.1	3.08	1.58	0.10	0.06	0.80	0.035	0.09	8.9	4.8	0.27	284	0.83	0.01

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015401	0.43	15.6	760	32.6	14.3	<0.001	0.04	1.09	3.3	0.5	0.5	28.8	<0.01	0.03	1.6	
DD015402	0.09	32.3	140	35.3	8.1	<0.001	0.02	0.45	5.7	0.5	0.6	21.0	<0.01	0.03	4.0	
DD015403	0.19	23.0	400	53.9	8.0	0.001	0.02	1.55	5.2	0.5	0.4	22.6	<0.01	0.03	3.4	
DD015404	0.17	18.3	1200	32.3	6.1	<0.001	0.04	2.62	3.5	0.8	0.3	71.2	<0.01	0.03	1.3	
DD015405	0.18	21.8	130	12.5	10.7	0.001	0.01	0.16	3.5	0.2	0.5	20.4	<0.01	0.04	4.0	
DD015406	0.28	22.6	420	20.5	8.3	<0.001	0.03	0.71	3.2	<0.2	0.5	30.9	<0.01	0.02	1.7	
DD015407	0.16	31.4	290	37.8	9.5	0.001	0.01	0.81	6.1	0.7	0.5	17.1	<0.01	0.01	4.8	
DD015408	0.13	29.8	370	27.7	8.0	<0.001	0.02	0.51	4.0	0.3	0.5	30.1	<0.01	0.02	2.5	
DD015409	0.32	31.2	260	14.5	9.0	0.001	0.01	0.76	8.1	0.5	0.6	15.4	<0.01	0.02	2.3	
DD015410	0.28	22.3	500	34.0	5.6	0.001	0.03	2.03	4.8	1.0	0.5	24.5	<0.01	0.05	1.8	
DD015411	0.48	23.7	540	21.8	7.0	0.001	0.03	1.20	3.6	0.8	0.4	31.3	<0.01	0.03	2.3	
DD015412	<0.05	1.3	360	3.1	0.4	<0.001	0.02	0.50	0.2	0.2	<0.2	68.1	<0.01	<0.01	<0.2	
DD015413	0.17	23.2	390	18.6	6.1	<0.001	0.01	1.61	3.1	0.6	0.3	19.0	<0.01	0.01	1.6	
DD015414	1.08	12.8	330	20.2	26.7	<0.001	0.01	1.95	1.8	0.5	0.8	9.1	<0.01	0.06	1.3	
DD015415	0.23	13.6	900	19.7	6.6	0.001	0.05	2.17	2.5	0.4	0.3	40.2	<0.01	0.03	0.9	
DD015416	0.19	12.8	480	16.6	6.2	<0.001	0.03	2.32	3.4	0.6	0.2	58.2	<0.01	0.02	1.1	
DD015417	0.31	28.9	790	29.9	6.7	0.001	0.02	2.68	4.6	0.8	0.5	31.7	<0.01	0.02	2.5	
DD015418	0.46	22.6	410	31.5	10.1	<0.001	0.02	2.26	4.8	0.6	0.5	10.2	<0.01	0.03	3.4	
DD015419	0.30	18.2	570	19.1	10.2	0.001	0.03	2.17	4.6	0.6	0.5	40.1	<0.01	0.02	2.0	
DD015420	0.41	24.6	1210	32.2	9.9	<0.001	0.07	3.30	3.1	0.5	0.5	25.2	<0.01	0.05	1.3	
DD015421	0.42	25.2	490	26.4	6.8	0.001	0.02	1.68	4.2	0.7	0.5	14.3	<0.01	0.01	2.1	
DD015422	0.28	15.9	600	42.5	5.6	<0.001	0.05	3.98	2.8	0.7	0.3	26.4	<0.01	0.03	1.2	
DD015423	0.37	27.6	540	39.8	8.8	0.001	0.02	3.45	5.1	0.8	0.5	11.9	<0.01	0.04	2.3	
DD015424	0.35	21.2	770	29.8	7.7	<0.001	0.04	3.70	3.9	0.8	0.4	21.1	<0.01	0.05	2.0	
DD015425	0.35	18.3	760	26.1	4.4	<0.001	0.05	2.65	3.8	0.9	0.4	23.4	<0.01	0.04	1.5	
DD015426	0.40	27.7	450	32.0	6.5	0.001	0.02	1.15	4.8	0.9	0.4	13.5	<0.01	0.02	3.5	
DD015427	0.44	19.5	850	21.6	12.7	0.001	0.04	2.55	4.2	0.9	0.4	39.3	<0.01	0.03	2.1	
DD015428	0.40	30.9	610	28.0	7.9	<0.001	0.02	1.15	5.2	1.1	0.5	20.9	<0.01	0.03	3.8	
DD015429	0.53	24.7	520	20.7	7.1	<0.001	0.05	1.18	3.3	0.8	0.5	24.3	<0.01	0.03	1.4	
DD015430	0.39	33.9	600	28.0	6.9	<0.001	0.01	0.97	5.2	1.0	0.5	17.7	<0.01	0.02	3.5	
DD015431	0.45	30.0	930	30.9	9.0	<0.001	0.04	0.77	5.6	1.2	0.5	26.4	<0.01	0.02	3.3	
DD015432	0.36	34.0	740	20.2	9.5	0.001	0.02	0.62	5.5	0.6	0.6	24.1	<0.01	0.04	2.9	
DD015433	0.55	21.4	320	24.9	7.5	0.001	0.02	0.74	4.4	0.7	0.6	14.9	<0.01	0.04	2.9	
DD015434	0.75	15.8	150	21.4	9.4	0.001	<0.01	0.46	2.5	<0.2	0.7	8.9	<0.01	0.02	2.7	
DD015435	0.38	30.1	270	24.6	12.5	0.001	0.01	0.88	4.8	0.6	0.6	10.9	<0.01	0.03	3.6	
DD015436	0.37	25.5	440	32.2	9.4	0.001	0.03	2.05	5.0	0.6	0.5	20.0	<0.01	0.04	3.0	
DD015437	0.39	21.9	420	20.2	6.0	<0.001	0.04	0.65	4.0	0.4	0.4	35.1	<0.01	0.02	2.0	
DD015438	0.58	19.7	400	17.9	6.6	0.001	0.04	0.75	3.6	0.9	0.3	66.2	<0.01	0.01	1.6	
DD015439	0.18	26.2	370	27.2	6.4	<0.001	0.05	0.99	4.6	1.1	0.3	49.8	<0.01	0.02	2.4	
DD015440	0.20	30.3	500	22.3	17.1	0.001	0.05	0.81	5.1	1.1	0.4	56.3	<0.01	0.03	3.1	



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**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
DD015401		<0.005	0.22	1.12	24	0.08	8.21	171	1.4
DD015402		<0.005	0.39	0.69	9	<0.05	7.77	120	1.3
DD015403		<0.005	0.25	1.14	23	0.08	11.45	171	1.6
DD015404		0.005	0.45	1.95	19	0.10	18.55	167	1.6
DD015405		0.005	0.13	0.81	14	0.05	6.24	51	1.8
DD015406		0.006	0.16	0.82	21	0.07	7.73	92	1.2
DD015407		<0.005	0.15	0.96	17	<0.05	9.34	128	1.4
DD015408		<0.005	0.23	0.67	17	<0.05	7.55	88	1.5
DD015409		0.011	0.41	0.80	32	0.14	10.95	71	1.3
DD015410		0.005	0.53	0.67	26	0.15	12.70	92	1.9
DD015411		0.013	0.31	0.91	32	0.11	9.94	137	1.5
DD015412		<0.005	0.38	1.21	1	0.06	4.15	22	0.6
DD015413		<0.005	0.54	1.20	17	0.10	8.84	92	0.8
DD015414		0.031	0.25	0.44	53	0.16	1.56	145	<0.5
DD015415		0.007	0.38	1.30	17	0.11	9.41	98	1.1
DD015416		<0.005	0.32	1.72	17	0.09	13.75	117	1.2
DD015417		<0.005	0.31	1.11	29	0.09	10.35	274	1.7
DD015418		0.005	0.29	1.18	41	0.11	7.58	194	1.5
DD015419		<0.005	0.25	1.57	28	0.06	14.85	116	1.5
DD015420		0.010	0.30	2.23	38	0.14	11.75	319	1.4
DD015421		0.007	0.19	0.95	33	0.10	11.10	130	1.5
DD015422		0.006	0.49	1.48	24	0.12	7.75	292	1.3
DD015423		0.006	0.39	1.08	37	0.09	15.10	253	1.8
DD015424		0.007	0.59	2.08	29	0.10	11.75	218	1.5
DD015425		0.008	0.42	1.99	33	0.18	17.50	74	1.3
DD015426		0.007	0.18	0.77	35	0.08	13.45	155	1.5
DD015427		0.005	0.34	2.04	30	0.10	16.10	388	1.3
DD015428		0.006	0.25	0.89	36	0.06	13.60	154	1.9
DD015429		0.007	0.13	1.17	33	0.07	9.18	124	1.5
DD015430		0.006	0.22	0.89	33	0.05	11.40	190	1.5
DD015431		0.007	0.22	1.39	40	0.10	13.95	211	2.5
DD015432		<0.005	0.16	1.06	33	0.06	11.15	144	1.5
DD015433		0.007	0.16	0.88	44	0.14	8.29	105	1.5
DD015434		0.012	0.16	0.39	49	0.13	2.06	88	1.0
DD015435		<0.005	0.26	0.77	42	0.06	5.48	142	1.2
DD015436		<0.005	0.37	1.69	32	0.12	11.65	202	1.8
DD015437		0.006	0.15	0.85	25	0.06	8.45	77	1.5
DD015438		0.009	0.15	0.80	23	0.09	10.15	56	1.3
DD015439		<0.005	0.28	0.71	9	0.06	13.60	146	1.5
DD015440		<0.005	0.21	0.73	13	0.06	12.75	120	1.4



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**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015441		0.16	0.003	0.19	0.72	28.9	<0.2	<10	160	0.95	0.33	1.14	0.42	20.1	11.6	13
DD015442		0.20	0.002	0.21	0.72	51.3	<0.2	10	360	0.93	0.29	1.40	0.77	16.65	15.0	13
DD015443		0.12	0.004	0.18	0.67	59.7	<0.2	10	250	0.94	0.25	1.74	0.47	13.05	10.3	12
DD015444		0.27	0.003	0.15	1.32	28.5	<0.2	<10	230	0.94	0.30	2.53	0.48	13.95	13.4	21

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



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**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015441		6.64	32.6	2.97	2.26	0.09	0.06	0.55	0.034	0.12	9.4	8.0	0.27	345	0.93	0.01
DD015442		4.79	33.9	4.01	2.45	0.11	0.06	0.78	0.032	0.12	7.9	8.3	0.37	1790	1.16	0.01
DD015443		3.75	36.6	2.55	2.41	0.08	0.05	0.71	0.028	0.12	6.3	7.8	0.41	615	0.74	0.01
DD015444		2.03	35.1	3.74	4.08	0.10	0.07	0.36	0.037	0.16	6.0	21.7	0.91	549	1.49	0.02

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**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD015441		0.30	29.3	500	20.3	13.8	<0.001	0.04	0.86	5.0	1.1	0.5	49.5	<0.01	0.04	3.7
DD015442		0.34	35.8	570	18.9	15.8	0.001	0.07	1.03	4.6	1.1	0.5	51.9	<0.01	0.04	2.8
DD015443		0.33	26.5	620	15.8	13.9	0.001	0.09	0.84	3.9	1.3	0.4	56.6	<0.01	0.03	1.7
DD015444		0.62	35.4	650	21.6	12.1	0.002	0.09	0.71	5.7	1.0	0.6	52.8	<0.01	0.03	4.4

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**CERTIFICATE OF ANALYSIS WH12143039**

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015441		<0.005	0.23	0.78	23	0.10	10.75	92	1.7
DD015442		0.005	0.26	0.84	23	0.07	10.60	124	1.7
DD015443		<0.005	0.20	0.93	19	0.05	10.05	95	1.6
DD015444		0.006	0.21	0.64	31	0.06	8.76	143	2.7





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**CERTIFICATE OF ANALYSIS WH12143039**

<b>CERTIFICATE COMMENTS</b>	
Applies to Method:	



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**Account: MTT**

**CERTIFICATE WH12143963**

Project: Crag East 1  
 P.O. No.:  
 This report is for 56 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160893		0.20	0.002	0.04	1.20	12.4	<0.2	<10	220	1.09	0.38	0.43	0.08	11.85	11.3	23
CC160894		0.30	0.003	0.05	1.14	11.7	<0.2	<10	220	1.12	0.38	0.39	0.09	11.40	11.0	21
CC160895		0.26	0.001	0.05	1.14	12.4	<0.2	<10	310	0.99	0.42	0.42	0.08	11.90	13.4	22
CC160896		0.13	<0.001	0.11	1.08	9.7	<0.2	<10	650	1.56	0.32	1.08	0.12	7.88	8.4	17
CC160897		0.14	0.002	0.03	0.57	9.5	<0.2	<10	50	0.22	0.36	0.03	0.04	7.03	3.4	12
CC160898		0.22	0.001	0.01	0.55	8.0	<0.2	<10	40	0.59	0.42	0.01	0.03	3.63	8.8	13
CC160899		0.34	<0.001	0.02	1.04	5.9	<0.2	<10	80	0.75	0.40	0.02	0.06	8.64	10.7	19
CC160900		0.25	0.001	0.05	0.54	6.0	<0.2	<10	410	0.83	0.49	0.09	0.06	4.46	8.8	8
CC160599		0.16	0.001	0.01	1.08	27.7	<0.2	<10	130	0.60	0.30	0.19	0.20	15.95	7.5	19
CC160600		0.28	0.002	0.07	1.48	36.5	<0.2	<10	220	1.21	0.36	1.44	0.23	15.90	15.9	24
CC160601		0.34	0.003	0.08	1.45	24.4	<0.2	<10	220	1.10	0.35	1.72	0.18	16.85	12.0	24
CC160602		0.26	0.002	0.07	1.56	23.6	<0.2	<10	220	1.36	0.38	0.59	0.17	19.65	16.4	26
CC160603		0.10	0.005	0.08	1.17	8.0	<0.2	<10	280	0.75	0.24	1.99	0.34	10.95	6.5	18
CC160604		0.20	0.002	0.09	1.34	25.5	<0.2	<10	230	0.98	0.30	1.37	0.22	13.35	10.4	22
CC160605		0.21	0.003	0.06	1.51	33.6	<0.2	<10	200	1.23	0.38	0.52	0.16	19.30	15.5	26
CC160606		0.12	0.005	0.09	0.97	127.0	<0.2	10	210	0.82	0.24	3.13	0.35	13.40	9.2	16
CC160607		0.10	0.005	0.09	1.36	17.5	<0.2	<10	290	0.95	0.26	1.98	0.19	12.10	7.9	20
CC160608		0.09	0.009	0.07	1.14	11.9	<0.2	10	360	0.82	0.23	2.38	0.40	11.20	9.2	17
CC160609		0.18	0.001	0.06	1.57	23.6	<0.2	<10	280	0.91	0.34	0.81	0.10	14.55	13.1	26
CC160610		0.30	0.003	0.08	1.64	25.2	<0.2	<10	250	1.33	0.39	0.80	0.20	16.50	15.0	27
CC160611		0.35	0.002	0.10	1.47	81.1	<0.2	<10	220	1.20	0.37	0.46	0.16	15.35	13.6	26
CC160612		0.26	0.001	0.07	1.46	29.3	<0.2	<10	250	1.04	0.31	1.19	0.16	14.75	10.3	23
CC160613		0.20	0.003	0.13	1.65	45.8	<0.2	10	360	1.19	0.38	0.91	0.24	15.45	13.6	28
CC160614		0.22	0.002	0.09	1.45	20.8	<0.2	<10	210	1.07	0.37	0.86	0.17	15.00	12.0	25
CC160615		0.26	0.002	0.10	1.40	35.4	<0.2	10	170	1.16	0.31	0.79	0.55	18.60	14.5	24
CC160616		0.14	0.006	0.13	1.32	56.8	<0.2	10	270	1.22	0.29	1.22	0.89	13.70	12.9	22
CC160617		0.27	0.002	0.13	1.32	281	<0.2	<10	190	1.05	0.33	0.82	0.41	18.10	17.9	23
DD015451		0.40	0.001	0.08	0.73	2100	<0.2	<10	120	0.90	0.25	0.84	0.86	7.83	9.3	14
CC160571		0.17	0.001	0.04	1.10	13.1	<0.2	<10	300	1.33	0.36	0.17	0.11	9.82	11.3	19
CC160572		0.22	0.002	0.11	0.62	16.5	<0.2	<10	430	1.57	0.33	0.40	0.07	10.50	9.4	12
CC160573		0.13	0.035	0.15	0.62	18.2	<0.2	10	370	1.16	0.23	1.32	0.08	7.44	9.2	13
CC160574		0.20	0.001	0.04	0.67	9.5	<0.2	<10	240	0.81	0.30	0.71	0.10	7.53	8.2	14
CC160575		0.13	0.001	0.09	0.89	18.8	<0.2	10	160	0.99	0.30	2.71	0.16	14.05	11.5	18
CC160576		0.25	0.001	0.06	1.16	14.9	<0.2	<10	170	0.92	0.33	1.10	0.16	12.90	12.0	19
CC160577		0.35	0.001	0.04	0.89	12.2	<0.2	<10	210	0.99	0.41	0.25	0.05	12.25	14.1	18
CC160578		0.31	0.001	0.07	1.15	11.7	<0.2	<10	240	1.04	0.37	0.58	0.07	15.60	12.1	22
CC160579		0.30	0.001	0.26	1.18	13.4	<0.2	<10	240	1.03	0.41	0.73	0.08	10.35	9.2	21
CC160580		0.35	0.001	0.12	1.31	14.8	<0.2	<10	270	1.13	0.40	0.65	0.15	12.80	11.5	22
CC160581		0.20	0.002	0.11	1.33	13.3	<0.2	10	710	1.04	0.32	1.30	0.32	14.85	8.7	22
CC160582		0.28	0.001	0.10	1.44	16.7	<0.2	10	220	1.07	0.36	0.70	0.37	16.90	12.2	24



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To: STRATEGIC METALS LTD.  
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 Finalized Date: 10- JUL- 2012  
 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160893		0.89	38.7	3.78	4.65	<0.05	0.05	0.11	0.041	0.09	5.4	16.2	0.35	473	0.64	0.01
CC160894		1.00	38.9	3.60	4.49	<0.05	0.05	0.16	0.038	0.10	4.9	15.3	0.33	456	0.54	<0.01
CC160895		1.04	38.2	3.74	4.52	<0.05	0.05	0.13	0.038	0.08	4.2	17.1	0.35	644	0.59	<0.01
CC160896		4.62	33.8	2.70	3.40	<0.05	0.08	0.16	0.032	0.14	4.6	11.9	0.24	346	0.43	0.01
CC160897		1.22	17.9	2.83	4.73	<0.05	<0.02	0.06	0.027	0.06	3.4	1.7	0.04	234	0.75	<0.01
CC160898		2.41	26.0	3.69	2.28	<0.05	<0.02	0.05	0.036	0.06	1.6	4.9	0.08	374	0.68	<0.01
CC160899		3.26	20.5	4.38	4.10	<0.05	<0.02	0.03	0.047	0.06	4.2	10.3	0.13	605	0.79	<0.01
CC160900		3.95	72.3	2.66	2.90	<0.05	0.02	0.04	0.042	0.07	2.0	6.7	0.07	514	0.42	<0.01
CC160599		0.57	18.3	3.09	5.22	<0.05	0.02	0.15	0.029	0.07	7.2	14.2	0.20	245	0.74	<0.01
CC160600		1.12	42.3	3.59	5.52	<0.05	0.07	0.45	0.038	0.14	6.3	22.5	0.90	1190	0.57	0.01
CC160601		1.24	34.8	3.60	5.07	0.06	0.07	0.39	0.035	0.16	7.2	23.2	1.14	547	0.53	0.01
CC160602		0.93	36.6	4.04	5.88	0.05	0.07	0.41	0.040	0.14	6.4	24.5	0.46	854	0.52	0.01
CC160603		0.52	24.7	2.07	3.79	<0.05	0.04	0.20	0.026	0.08	4.6	10.8	0.36	260	0.36	0.01
CC160604		0.55	29.5	3.04	4.64	<0.05	0.05	0.48	0.033	0.09	6.2	17.9	0.43	420	0.55	0.01
CC160605		0.86	37.0	3.91	5.55	0.05	0.08	0.35	0.041	0.10	7.9	23.6	0.52	782	0.65	0.01
CC160606		0.74	28.3	2.46	3.39	<0.05	0.03	0.56	0.025	0.09	5.1	13.1	1.23	731	0.59	0.01
CC160607		0.55	27.4	2.77	4.45	<0.05	0.05	0.25	0.030	0.10	5.9	14.2	0.39	330	0.62	0.01
CC160608		0.55	23.7	2.68	3.74	<0.05	0.05	0.21	0.026	0.10	4.7	13.8	0.44	2000	0.41	0.01
CC160609		0.69	24.7	3.55	5.42	<0.05	0.05	0.15	0.035	0.10	5.5	23.0	0.48	569	0.61	0.01
CC160610		1.08	34.3	4.25	6.08	0.05	0.07	0.26	0.038	0.15	6.2	25.4	0.48	750	0.61	0.01
CC160611		1.31	37.8	4.07	5.45	0.05	0.06	1.45	0.044	0.11	6.9	21.3	0.46	711	0.54	0.01
CC160612		0.66	26.6	3.76	4.94	0.05	0.06	0.40	0.035	0.12	6.0	21.5	0.41	368	0.41	0.01
CC160613		0.82	42.6	3.79	5.66	<0.05	0.07	0.37	0.044	0.13	6.5	24.7	0.51	641	0.66	0.01
CC160614		1.16	34.3	3.66	5.14	<0.05	0.06	0.49	0.052	0.14	6.6	24.2	0.50	572	0.53	0.01
CC160615		1.51	39.1	5.20	4.77	0.06	0.07	0.41	0.033	0.15	7.5	24.5	0.47	378	0.94	0.01
CC160616		3.10	50.6	4.15	3.95	0.06	0.07	0.49	0.038	0.12	9.3	18.6	0.35	1520	1.43	0.01
CC160617		1.42	32.6	4.16	4.51	0.05	0.07	0.48	0.035	0.13	7.3	23.3	0.50	370	2.44	0.01
DD015451		7.49	42.3	6.17	2.55	<0.05	0.04	0.57	0.032	0.06	3.3	10.5	0.32	474	82.1	0.01
CC160571		3.57	25.5	3.49	3.33	<0.05	<0.02	0.06	0.039	0.08	3.9	18.1	0.26	767	0.87	0.01
CC160572		4.91	28.6	1.95	1.58	<0.05	0.03	0.06	0.034	0.08	4.1	10.0	0.13	797	0.41	0.01
CC160573		3.18	32.5	2.27	1.96	<0.05	0.02	0.14	0.030	0.07	3.4	8.5	0.23	568	0.49	<0.01
CC160574		2.10	23.8	2.86	2.57	<0.05	0.03	0.08	0.036	0.09	3.2	9.7	0.26	401	0.47	<0.01
CC160575		0.90	35.4	3.06	2.93	<0.05	0.03	0.18	0.031	0.09	5.8	9.5	0.31	1480	0.62	0.01
CC160576		0.64	30.6	3.38	4.29	<0.05	0.05	0.12	0.037	0.11	5.0	17.5	0.36	719	0.57	0.01
CC160577		0.77	51.3	4.20	3.53	<0.05	0.05	0.17	0.044	0.09	5.3	11.1	0.27	883	0.56	<0.01
CC160578		1.00	40.8	3.73	3.99	<0.05	0.05	0.11	0.039	0.11	6.9	15.1	0.35	425	0.56	0.01
CC160579		0.82	40.9	4.08	3.71	<0.05	0.06	0.28	0.040	0.14	4.9	12.8	0.32	546	0.56	0.01
CC160580		0.92	39.0	3.89	3.98	0.05	0.07	0.24	0.042	0.14	5.7	15.6	0.36	758	0.58	0.01
CC160581		1.21	29.5	3.09	4.07	<0.05	0.08	0.14	0.035	0.13	6.2	22.5	0.44	353	0.44	0.01
CC160582		3.03	29.3	3.87	4.40	0.05	0.06	0.17	0.039	0.14	6.5	23.5	0.45	255	0.44	0.01

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



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160893		0.48	25.6	260	22.5	9.5	0.001	0.02	0.33	5.0	0.6	0.7	19.6	<0.01	0.02	3.9
CC160894		0.45	25.3	280	22.3	9.7	0.001	0.02	0.32	5.5	0.8	0.7	20.1	<0.01	0.03	3.9
CC160895		0.49	25.0	210	24.4	9.2	<0.001	0.02	0.30	4.5	0.4	0.7	18.7	<0.01	0.04	3.2
CC160896		0.39	22.2	400	14.2	14.0	<0.001	0.05	0.31	5.4	0.9	0.7	34.4	<0.01	0.04	2.3
CC160897		0.40	7.0	320	10.4	10.2	0.001	0.01	0.28	1.5	0.3	0.8	5.1	<0.01	0.04	0.6
CC160898		0.34	14.8	150	14.0	10.6	<0.001	0.01	0.37	3.2	0.4	0.5	5.8	<0.01	0.03	1.7
CC160899		0.69	13.4	240	12.7	15.3	<0.001	0.01	0.37	3.9	0.6	0.7	6.3	<0.01	0.05	2.8
CC160900		0.22	10.5	180	14.2	13.8	<0.001	0.01	0.32	5.2	0.3	0.4	11.0	<0.01	0.06	1.9
CC160599		0.54	15.5	130	18.4	11.0	0.001	0.01	0.32	2.7	0.4	0.7	11.3	<0.01	0.02	3.1
CC160600		0.40	34.6	480	24.3	11.5	<0.001	0.03	0.40	5.9	1.1	0.8	32.9	<0.01	0.04	4.2
CC160601		0.36	29.3	490	21.7	12.0	0.001	0.02	0.42	6.3	1.1	0.7	28.9	<0.01	0.02	5.1
CC160602		0.42	32.4	270	27.7	11.3	0.001	0.02	0.43	5.9	0.5	0.8	26.1	<0.01	0.04	4.4
CC160603		0.38	17.8	680	15.2	8.2	0.001	0.11	0.30	2.5	1.0	0.5	60.5	<0.01	0.03	0.9
CC160604		0.46	24.3	480	19.8	8.3	<0.001	0.05	0.39	3.9	0.7	0.6	47.0	<0.01	0.03	1.7
CC160605		0.41	33.7	180	27.7	9.9	0.001	0.02	0.38	6.2	0.9	0.7	19.7	<0.01	0.04	5.6
CC160606		0.28	23.0	520	26.3	7.3	0.001	0.07	0.51	2.8	1.4	0.5	51.9	<0.01	0.02	1.3
CC160607		0.39	20.0	650	17.1	9.3	<0.001	0.09	0.37	3.3	1.2	0.6	56.3	<0.01	0.02	1.2
CC160608		0.31	20.4	700	14.6	9.0	0.002	0.18	0.26	3.0	1.2	0.6	89.1	<0.01	0.04	1.1
CC160609		0.54	25.7	370	20.8	9.6	0.001	0.04	0.36	3.9	0.7	0.7	28.9	<0.01	0.02	2.4
CC160610		0.45	31.0	560	23.8	12.3	0.001	0.05	0.33	6.0	1.0	0.8	30.3	<0.01	0.04	4.2
CC160611		0.49	31.0	290	22.1	10.4	0.001	0.02	0.41	6.1	0.9	0.7	21.2	<0.01	0.04	4.5
CC160612		0.39	21.7	770	22.7	10.2	0.001	0.11	0.24	4.9	1.4	0.7	38.6	<0.01	0.02	3.0
CC160613		0.48	31.7	530	22.6	10.5	<0.001	0.05	0.49	4.9	1.0	0.8	39.4	<0.01	0.04	2.6
CC160614		0.45	28.0	630	22.1	11.1	0.001	0.05	0.36	5.6	0.8	0.8	33.3	<0.01	0.04	4.1
CC160615		0.64	36.3	590	22.3	20.9	0.002	0.08	0.42	5.9	1.7	0.7	36.6	<0.01	0.04	4.5
CC160616		0.31	63.8	880	16.9	21.7	0.003	0.09	0.48	6.0	2.4	0.5	47.5	<0.01	0.03	2.3
CC160617		0.41	59.1	620	24.6	15.6	0.002	0.06	0.62	5.7	1.3	0.7	28.9	<0.01	0.04	4.6
DD015451		0.34	24.9	1040	18.6	8.6	0.002	0.08	2.41	4.0	1.1	0.4	36.0	<0.01	0.04	2.5
CC160571		0.38	19.6	250	16.4	10.9	0.001	0.01	0.28	4.9	0.5	0.5	14.7	<0.01	0.04	3.4
CC160572		0.26	16.6	170	13.8	17.9	<0.001	0.02	0.24	8.4	0.6	0.3	23.7	<0.01	0.03	2.6
CC160573		0.27	20.2	380	12.4	18.8	<0.001	0.07	0.32	3.4	0.9	0.4	85.2	<0.01	0.03	0.7
CC160574		0.33	15.5	300	15.9	12.8	0.001	0.04	0.23	3.8	0.3	0.5	53.0	<0.01	0.04	1.6
CC160575		0.36	24.7	510	37.4	8.8	<0.001	0.06	0.39	3.4	0.8	0.5	39.6	<0.01	0.02	1.1
CC160576		0.45	22.7	370	23.5	9.2	0.001	0.07	0.29	4.0	0.7	0.6	33.9	<0.01	0.03	2.6
CC160577		0.39	23.5	150	30.2	8.4	<0.001	0.01	0.26	5.6	0.4	0.6	13.6	<0.01	0.05	5.0
CC160578		0.55	24.9	380	27.0	10.9	0.001	0.03	0.34	5.7	1.2	0.6	25.6	<0.01	0.03	3.3
CC160579		0.47	19.8	350	25.6	9.9	<0.001	0.02	0.30	5.3	<0.2	0.7	22.7	<0.01	0.02	3.4
CC160580		0.42	24.5	380	26.1	10.3	<0.001	0.01	0.34	5.6	0.2	0.6	22.1	<0.01	<0.01	3.9
CC160581		0.43	22.5	550	21.4	12.0	<0.001	0.09	0.37	4.9	0.4	0.6	50.1	<0.01	<0.01	3.1
CC160582		0.57	26.1	470	26.4	21.7	<0.001	0.07	0.30	5.9	0.3	0.7	22.3	0.01	<0.01	4.7



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**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160893		0.009	0.08	0.75	26	0.10	5.35	85	1.4
CC160894		0.008	0.09	0.65	24	0.11	6.24	86	1.5
CC160895		0.010	0.08	0.70	23	0.09	4.47	82	1.3
CC160896		<0.005	0.09	1.11	19	0.09	9.44	57	2.0
CC160897		0.006	0.08	0.31	35	0.14	1.26	38	<0.5
CC160898		0.005	0.06	0.37	21	0.11	1.29	51	0.5
CC160899		0.009	0.08	0.47	31	0.16	1.91	65	0.5
CC160900		<0.005	0.05	0.62	16	<0.05	3.75	36	0.6
CC160599		0.010	0.08	0.41	34	0.10	3.33	64	0.9
CC160600		0.006	0.13	0.63	25	0.05	8.82	114	1.9
CC160601		0.007	0.14	0.70	25	0.06	9.41	131	2.8
CC160602		0.006	0.13	0.67	27	0.07	7.18	119	2.1
CC160603		0.005	0.08	0.99	21	0.05	6.23	74	1.1
CC160604		0.006	0.08	1.07	25	0.07	7.66	96	1.2
CC160605		0.006	0.13	0.49	29	0.05	9.86	113	2.6
CC160606		0.005	0.16	1.22	19	<0.05	6.76	108	1.1
CC160607		<0.005	0.09	1.57	24	0.05	8.34	82	1.5
CC160608		<0.005	0.09	1.68	19	0.05	6.91	104	1.5
CC160609		0.009	0.10	1.44	32	0.09	4.51	82	1.2
CC160610		0.005	0.11	1.07	28	0.06	9.28	114	2.2
CC160611		0.009	0.16	0.56	29	0.07	8.43	104	2.0
CC160612		0.005	0.10	1.58	25	0.05	8.90	120	1.7
CC160613		0.007	0.13	0.85	31	0.08	7.93	119	1.6
CC160614		0.007	0.13	0.92	27	0.07	9.17	122	1.9
CC160615		0.006	0.16	0.89	30	0.07	10.10	124	2.7
CC160616		<0.005	0.23	2.20	30	0.05	15.90	176	1.7
CC160617		0.006	0.21	0.87	31	0.06	9.59	155	2.5
DD015451		0.006	0.68	1.09	27	0.11	5.70	188	1.3
CC160571		0.007	0.06	0.73	22	0.12	4.30	82	0.5
CC160572		<0.005	0.16	0.97	16	0.05	7.84	34	1.0
CC160573		0.005	0.16	3.62	17	0.07	6.06	44	0.6
CC160574		0.006	0.06	2.16	17	0.09	4.11	75	0.7
CC160575		0.007	0.14	0.60	28	0.13	7.85	113	0.7
CC160576		0.006	0.08	1.15	22	0.07	5.15	89	1.2
CC160577		0.008	0.08	0.72	21	0.09	5.65	93	1.4
CC160578		0.010	0.09	1.00	25	0.13	8.74	82	1.1
CC160579		0.008	0.08	0.83	23	0.10	7.93	112	1.4
CC160580		0.006	0.10	0.92	24	0.07	8.50	110	1.6
CC160581		0.007	0.09	1.34	25	0.06	8.53	94	2.0
CC160582		0.007	0.11	1.03	27	0.07	8.71	122	2.3



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**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160583		0.19	0.001	0.03	1.75	39.8	<0.2	<10	160	1.17	0.43	0.11	0.08	15.95	13.7	29
CC160584		0.28	0.001	0.06	1.65	136.0	<0.2	<10	210	1.22	0.42	0.22	0.12	22.4	14.4	27
CC160585		0.38	0.002	0.11	1.87	201	<0.2	<10	340	1.63	0.45	0.88	0.09	17.50	17.2	29
CC160586		0.31	0.001	0.08	1.58	56.9	<0.2	<10	210	1.04	0.42	0.46	0.10	14.25	12.4	27
CC160587		0.20	0.002	0.14	1.41	14.1	<0.2	<10	220	0.65	0.27	0.57	0.25	19.10	8.5	25
CC160588		0.33	0.004	0.09	1.14	24.4	<0.2	<10	240	1.01	0.37	0.63	0.25	14.70	10.2	21
CC160589		0.37	0.005	0.06	1.41	30.1	<0.2	<10	290	1.28	0.43	0.36	0.09	15.25	15.6	25
CC160590		0.23	0.003	0.13	1.25	23.5	<0.2	<10	270	1.09	0.39	0.37	0.10	17.70	11.7	24
CC160591		0.18	0.002	0.13	1.20	18.7	<0.2	<10	370	0.94	0.33	1.15	0.16	14.60	10.3	20
CC160592		0.34	0.002	0.04	0.78	39.6	<0.2	<10	290	0.21	0.30	0.40	0.13	14.00	5.3	18
CC160593		0.13	0.001	0.12	1.35	31.1	<0.2	<10	340	0.88	0.31	0.76	0.19	19.20	9.6	22
CC160594		0.11	0.012	0.15	1.55	23.4	<0.2	<10	410	1.05	0.29	1.90	0.18	16.90	8.5	22
CC160595		0.22	0.001	0.10	1.32	48.0	<0.2	<10	250	0.77	0.35	0.80	0.16	15.40	10.0	23
CC160596		0.14	0.009	0.08	0.61	99.4	<0.2	10	440	0.52	0.24	2.56	0.84	8.42	19.6	15
CC160597		0.17	0.005	0.09	1.38	20.8	<0.2	<10	310	0.98	0.34	1.34	0.14	10.35	8.6	22
CC160598		0.21	0.006	0.10	1.33	19.5	<0.2	<10	380	0.83	0.28	2.20	0.20	11.10	9.3	19

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**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160583		0.79	28.9	4.06	5.60	<0.05	0.07	0.38	0.040	0.08	6.1	24.5	0.43	630	0.59	0.01
CC160584		0.81	29.4	4.31	5.38	<0.05	0.05	5.62	0.046	0.09	8.4	19.6	0.37	857	0.70	0.01
CC160585		1.35	49.0	4.51	5.80	0.05	0.12	1.63	0.052	0.11	8.0	21.6	0.70	1060	0.62	0.01
CC160586		0.80	31.9	4.24	5.06	<0.05	0.06	1.76	0.041	0.10	6.5	22.8	0.47	658	0.60	0.01
CC160587		0.64	16.9	3.04	4.45	<0.05	0.05	0.23	0.032	0.08	9.0	33.0	0.45	430	0.34	0.01
CC160588		0.87	37.2	4.35	3.81	0.05	0.07	0.21	0.044	0.11	7.3	16.1	0.43	1480	0.61	0.01
CC160589		0.97	48.7	4.43	5.37	<0.05	0.07	0.49	0.043	0.10	6.1	18.6	0.41	910	0.52	0.01
CC160590		0.85	37.5	4.07	4.07	<0.05	0.06	0.32	0.039	0.08	10.2	16.2	0.42	689	0.73	0.01
CC160591		0.72	47.7	3.39	3.63	<0.05	0.04	0.36	0.040	0.10	6.7	16.8	0.36	512	0.53	0.01
CC160592		0.58	8.8	2.28	3.94	<0.05	0.02	0.51	0.021	0.07	7.1	8.0	0.26	234	0.88	0.01
CC160593		0.92	21.5	3.25	4.70	0.05	0.03	0.26	0.044	0.07	9.5	18.9	0.34	661	0.80	0.01
CC160594		0.76	33.4	2.92	4.09	0.06	0.06	0.37	0.044	0.09	9.5	16.2	0.40	551	0.54	0.01
CC160595		0.78	21.0	3.61	4.36	<0.05	0.05	16.80	0.046	0.09	6.6	18.8	0.43	600	0.93	0.01
CC160596		2.01	26.3	4.64	1.75	<0.05	0.02	0.35	0.043	0.05	3.1	5.6	0.37	2290	1.91	0.02
CC160597		0.89	30.4	3.37	3.78	<0.05	0.07	2.30	0.037	0.10	5.2	13.8	0.38	516	0.54	0.01
CC160598		0.53	25.0	2.84	3.92	<0.05	0.04	0.75	0.035	0.09	4.7	13.4	0.34	661	0.43	0.01

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**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC160583		0.40	27.7	130	29.2	10.8	<0.001	<0.01	0.37	4.3	<0.2	0.7	9.1	<0.01	0.01	4.4
CC160584		0.39	27.6	270	31.9	9.9	<0.001	<0.01	0.36	5.3	0.3	0.7	12.2	<0.01	<0.01	4.5
CC160585		0.32	34.0	310	54.4	11.4	<0.001	<0.01	0.45	8.7	0.8	0.8	21.9	<0.01	0.01	5.5
CC160586		0.50	25.0	250	31.0	9.7	<0.001	<0.01	0.39	5.5	0.3	0.7	18.5	<0.01	0.02	4.1
CC160587		0.80	20.6	630	15.2	8.8	<0.001	0.04	0.41	4.2	0.7	0.5	24.5	<0.01	0.01	4.1
CC160588		0.46	25.8	500	29.2	9.4	0.001	0.03	0.39	6.2	0.9	0.6	22.2	<0.01	0.03	3.8
CC160589		0.41	28.9	180	44.2	10.0	0.001	0.01	0.37	6.7	0.6	0.8	13.6	<0.01	0.03	4.7
CC160590		0.62	24.8	340	25.5	8.2	0.001	0.02	0.52	5.9	0.7	0.6	19.8	<0.01	0.03	3.7
CC160591		0.58	21.1	510	27.7	11.5	<0.001	0.03	0.49	4.6	0.6	0.5	55.8	<0.01	0.01	1.7
CC160592		0.83	10.6	210	18.7	10.0	<0.001	<0.01	0.55	2.0	<0.2	0.6	29.1	<0.01	<0.01	2.3
CC160593		0.67	17.6	600	23.0	10.5	<0.001	0.03	0.39	4.0	0.6	0.6	52.2	<0.01	0.01	1.6
CC160594		0.49	18.3	820	22.3	10.6	<0.001	0.06	0.42	4.5	0.9	0.5	64.6	<0.01	<0.01	1.5
CC160595		0.61	22.3	380	24.3	9.1	0.001	0.02	0.46	4.5	0.3	0.6	31.6	<0.01	<0.01	2.4
CC160596		0.26	32.1	680	25.8	8.9	<0.001	0.10	0.63	4.2	1.6	0.3	110.5	<0.01	<0.01	0.7
CC160597		0.37	19.8	730	22.6	13.1	<0.001	0.06	0.34	4.2	0.5	0.5	40.4	<0.01	0.02	1.5
CC160598		0.41	16.3	470	20.9	8.6	<0.001	0.05	0.38	3.5	0.4	0.5	54.7	<0.01	0.01	1.6

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**CERTIFICATE OF ANALYSIS WH12143963**

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160583		0.009	0.12	0.61	31	0.06	4.21	92	2.2
CC160584		0.007	0.17	0.88	32	0.07	9.54	105	1.5
CC160585		0.005	0.22	0.98	30	0.06	18.65	110	2.7
CC160586		0.010	0.12	0.63	30	0.08	8.48	105	1.4
CC160587		0.022	0.09	1.09	35	0.27	6.65	121	1.5
CC160588		0.009	0.10	1.01	26	0.13	9.92	117	1.6
CC160589		0.008	0.11	0.52	27	0.09	7.96	100	2.1
CC160590		0.014	0.10	0.63	32	0.15	10.40	85	1.3
CC160591		0.010	0.13	1.87	26	0.09	9.71	82	0.9
CC160592		0.025	0.22	0.49	37	0.12	2.07	57	0.6
CC160593		0.012	0.19	1.45	35	0.14	8.66	71	0.8
CC160594		0.006	0.13	1.71	29	0.08	15.70	71	1.6
CC160595		0.011	0.11	0.85	28	0.09	5.85	98	1.0
CC160596		0.008	0.13	1.00	29	0.05	7.52	322	0.6
CC160597		0.006	0.11	1.47	24	0.07	9.32	113	1.4
CC160598		0.005	0.10	1.15	23	0.06	7.45	71	1.1

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**CERTIFICATE OF ANALYSIS WH12143963**

**CERTIFICATE COMMENTS**

Applies to Method:



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To: **STRATEGIC METALS LTD.**  
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**Account: MTT**

**CERTIFICATE WH12143968**

Project: Crag East 3  
 P.O. No.:  
 This report is for 6 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

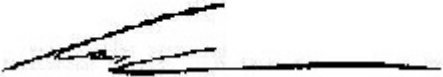
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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

To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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 Total # Pages: 2 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143968**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
I079793		0.82	0.002	0.05	0.95	10.6	<0.2	20	100	0.89	0.37	2.80	0.06	13.20	11.9	19
I079794		0.41	0.002	0.07	1.52	7.0	<0.2	10	70	0.79	0.30	6.18	0.06	17.40	11.1	18
I079795		0.51	0.002	0.08	0.88	26.9	<0.2	10	150	1.00	0.41	3.28	0.06	6.24	15.8	17
I079796		0.61	0.001	0.13	0.44	56.8	<0.2	10	80	0.39	0.24	0.17	0.08	23.7	14.8	24
I079797		0.54	0.003	0.13	1.39	24.9	<0.2	10	290	0.76	0.23	5.48	0.42	17.60	11.9	36
I079798		0.60	0.002	0.13	0.89	90	<0.2	10	110	0.58	0.15	13.95	0.07	13.80	6.8	13

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 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143968**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
1079793		6.70	39.1	4.09	2.92	0.06	0.06	0.10	0.058	0.25	5.9	23.3	0.19	884	0.50	0.04
1079794		2.30	26.4	3.24	4.33	0.06	0.09	0.03	0.035	0.29	5.5	43.3	0.62	378	0.30	0.03
1079795		3.23	40.4	4.53	2.43	0.06	0.08	0.09	0.039	0.27	2.7	28.6	0.22	627	0.83	0.03
1079796		3.92	30.9	4.58	1.20	0.07	0.07	0.31	0.024	0.18	11.3	6.8	0.05	550	1.32	0.02
1079797		1.41	28.8	3.29	4.25	0.07	0.08	0.26	0.034	0.26	7.5	18.3	1.20	693	1.64	0.03
1079798		1.49	16.3	2.10	2.32	0.05	0.05	0.75	0.024	0.19	6.1	6.7	0.17	382	0.98	0.02

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143968**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
1079793		0.12	28.7	190	21.9	16.5	<0.001	0.02	0.16	7.7	0.4	0.5	96.9	<0.01	0.03	4.8
1079794		0.25	26.0	580	22.7	14.1	<0.001	0.04	0.26	5.3	0.5	0.4	306	<0.01	0.05	5.7
1079795		0.08	37.0	200	19.2	13.1	<0.001	0.04	0.20	7.8	0.5	0.4	110.5	<0.01	0.07	2.6
1079796		0.10	41.6	80	49.2	9.3	<0.001	0.02	0.54	3.2	0.5	0.2	24.2	<0.01	0.03	2.9
1079797		0.41	33.4	550	19.2	14.7	0.001	0.03	0.55	5.2	0.6	0.5	140.0	<0.01	0.03	4.0
1079798		0.29	17.5	250	22.7	10.3	0.001	0.03	0.70	4.6	0.7	0.4	179.0	<0.01	0.02	3.6

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143968**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
1079793		<0.005	0.12	0.68	17	0.10	9.65	98	2.0
1079794		<0.005	0.09	0.74	18	<0.05	10.75	80	2.7
1079795		<0.005	0.14	0.57	20	0.09	10.15	106	2.4
1079796		<0.005	0.26	0.49	12	0.58	6.70	92	2.6
1079797		0.006	0.20	0.91	30	0.85	9.65	128	3.2
1079798		<0.005	0.21	0.75	16	0.08	11.40	58	1.7

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





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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12143968**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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**Account: MTT**

**CERTIFICATE WH12144360**

Project: Crag East 3  
 P.O. No.:  
 This report is for 137 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160501		0.22	<0.001	0.04	1.43	29.9	<0.2	<10	250	0.71	0.29	0.34	0.12	16.20	10.0	26
CC160502		0.23	0.001	0.07	1.07	58.5	<0.2	<10	350	0.98	0.44	0.49	0.09	14.75	16.1	20
CC160503		0.13	0.001	0.14	1.37	31.0	<0.2	<10	190	1.31	0.32	1.23	0.58	24.6	9.0	20
CC160504		0.23	0.002	0.13	1.27	86.1	<0.2	<10	150	0.76	0.22	6.61	0.61	20.6	8.6	18
CC160505		0.16	<0.001	0.18	1.17	78.0	<0.2	<10	120	0.90	0.23	2.25	0.50	23.3	8.2	18
CC160506		0.16	<0.001	0.21	0.91	40.1	<0.2	<10	160	0.54	0.16	1.77	0.51	20.9	5.6	16
CC160507		0.15	0.001	0.13	0.87	15.1	<0.2	<10	110	0.58	0.19	0.71	0.24	24.5	5.7	15
CC160515		0.18	0.003	0.14	1.14	83.2	<0.2	<10	130	1.01	0.23	4.24	0.42	20.6	9.1	17
CC160516		0.20	0.001	0.10	0.93	106.5	<0.2	<10	120	0.78	0.16	9.96	0.45	10.50	6.3	12
CC160517		0.12	0.002	0.14	1.34	351	<0.2	<10	230	0.90	0.27	2.13	0.96	21.9	9.7	20
CC160518		0.18	0.002	0.05	1.17	414	<0.2	<10	230	1.30	0.41	0.45	0.32	26.4	16.0	19
CC160519		0.21	0.001	0.05	0.56	750	<0.2	<10	120	0.91	0.46	0.66	0.16	20.8	11.8	9
CC160520		0.21	0.002	0.15	1.14	263	<0.2	<10	250	1.24	0.37	0.62	0.37	33.5	27.1	20
CC160521		0.16	0.001	0.14	1.16	77.2	<0.2	<10	210	1.04	0.39	1.06	0.55	32.9	15.3	17
CC160522		0.12	0.001	0.23	0.92	82.5	<0.2	<10	210	1.12	0.32	1.52	0.69	33.2	15.4	15
CC160523		0.12	<0.001	0.08	1.50	189.5	<0.2	<10	130	1.08	0.26	1.20	0.39	20.7	8.5	23
CC160524		0.14	0.001	0.08	1.47	185.5	<0.2	<10	140	1.05	0.26	3.78	0.41	24.0	10.6	21
CC160525		0.15	0.003	0.17	0.75	117	<0.2	<10	90	0.74	0.16	10.35	0.15	13.05	7.7	13
CC160526		0.12	0.001	0.11	1.47	179.5	<0.2	<10	170	1.05	0.20	8.42	0.29	24.3	7.1	19
CC160527		0.24	<0.001	0.09	1.26	36.8	<0.2	<10	170	1.06	0.30	0.56	0.24	20.8	11.1	21
CC160528		0.22	0.001	0.11	1.33	34.7	<0.2	<10	180	1.06	0.31	0.47	0.15	18.10	13.1	23
DD015748		0.21	0.001	0.08	1.07	29.5	<0.2	<10	180	0.84	0.27	0.31	0.16	18.60	8.9	19
DD015749		0.13	0.003	0.22	1.08	33.2	<0.2	<10	250	0.75	0.23	3.61	0.57	16.90	9.3	18
DD015750		0.15	0.002	0.20	1.30	27.7	<0.2	<10	310	0.88	0.27	1.92	0.93	16.45	11.0	19
CC160508		0.22	0.002	0.25	0.92	56.6	<0.2	<10	190	0.90	0.22	0.66	0.08	28.2	7.3	17
CC160509		0.23	0.001	0.29	0.42	9.3	<0.2	<10	70	0.97	0.27	1.87	0.05	22.7	9.3	6
CC160510		0.25	0.001	0.16	0.66	38.9	<0.2	<10	120	0.87	0.34	0.97	0.30	11.65	14.2	13
CC160511		0.28	0.001	0.16	0.94	52.8	<0.2	<10	150	0.92	0.29	1.09	0.37	17.10	10.0	15
CC160512		0.23	0.002	0.09	1.02	243	<0.2	<10	130	1.15	0.35	0.40	0.24	32.0	10.8	16
CC160513		0.21	<0.001	0.11	0.53	12.6	<0.2	<10	60	0.79	0.17	0.32	0.03	25.9	4.6	8
CC160514		0.21	0.003	0.11	0.71	124	<0.2	<10	80	0.52	0.12	11.70	0.20	15.95	7.0	11
CC160529		0.16	0.001	0.15	1.49	28.6	<0.2	<10	240	0.96	0.26	1.01	0.39	20.2	10.1	22
CC160530		0.15	0.002	0.18	1.07	39.0	<0.2	<10	220	0.93	0.25	1.29	0.38	20.3	9.1	17
CC160531		0.16	0.005	0.12	0.96	44.6	<0.2	<10	200	0.91	0.23	1.75	0.33	17.90	10.6	17
CC160532		0.19	0.001	0.07	1.59	22.1	<0.2	<10	210	1.05	0.26	0.43	0.13	20.1	9.6	25
CC160533		0.17	0.002	0.05	0.74	21.3	<0.2	<10	70	0.36	0.30	0.13	0.28	11.90	9.1	15
CC160534		0.18	0.001	0.15	0.97	90.1	<0.2	<10	170	0.86	0.25	2.78	0.45	16.45	10.4	18
CC160535		0.14	<0.001	0.05	1.53	30.2	<0.2	<10	200	1.04	0.25	0.77	0.18	30.8	10.6	23
CC160536		0.13	0.002	0.10	0.53	42	<0.2	<10	100	0.43	0.09	13.55	0.23	21.6	5.3	8
CC160537		0.21	<0.001	0.08	1.76	39.3	<0.2	<10	200	1.20	0.22	1.06	0.09	16.85	8.2	25

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160501		1.47	14.7	3.67	4.53	<0.05	0.03	0.14	0.035	0.07	6.5	14.2	0.33	778	0.96	0.01
CC160502		1.76	29.9	4.09	3.10	<0.05	0.08	0.15	0.041	0.08	5.9	10.5	0.27	745	0.96	0.01
CC160503		1.56	30.0	3.18	3.66	0.05	0.05	0.30	0.034	0.09	21.7	10.1	0.31	646	0.62	0.01
CC160504		0.79	20.2	4.43	3.23	<0.05	0.05	0.44	0.026	0.07	10.5	8.9	3.83	2400	0.80	0.02
CC160505		0.97	15.1	3.09	3.31	<0.05	0.06	0.57	0.029	0.07	10.7	8.1	0.88	1250	0.73	0.01
CC160506		1.73	16.1	1.99	2.32	<0.05	0.05	0.33	0.025	0.06	10.2	6.7	0.21	391	0.48	0.01
CC160507		1.52	7.3	2.06	2.78	<0.05	0.04	0.25	0.022	0.05	9.7	5.9	0.15	299	0.40	0.01
CC160515		1.20	21.2	3.60	3.24	0.05	0.06	0.88	0.031	0.06	11.9	9.8	2.51	1270	0.76	0.02
CC160516		0.48	11.4	2.34	2.77	<0.05	0.05	1.22	0.020	0.05	5.1	6.9	6.14	994	0.63	0.02
CC160517		0.66	22.5	3.77	3.67	<0.05	0.03	1.21	0.033	0.06	11.8	9.6	0.83	1810	0.88	0.02
CC160518		1.38	23.1	4.65	3.45	0.06	0.07	0.44	0.044	0.12	15.0	9.7	0.23	1850	1.10	0.01
CC160519		6.61	19.1	3.50	1.73	<0.05	0.04	0.42	0.037	0.08	7.5	5.1	0.13	742	0.60	0.01
CC160520		1.21	40.6	4.03	3.43	0.05	0.07	0.61	0.040	0.13	16.9	11.6	0.21	1700	1.82	0.01
CC160521		1.02	24.8	3.40	3.30	0.05	0.05	0.19	0.034	0.11	17.4	9.8	0.24	1020	1.47	0.01
CC160522		1.28	29.6	2.93	2.73	0.06	0.06	0.26	0.034	0.13	18.1	8.4	0.21	783	2.07	0.01
CC160523		1.05	20.2	3.54	4.48	<0.05	0.06	0.14	0.034	0.07	11.5	14.3	0.38	622	0.89	0.01
CC160524		0.78	19.0	4.18	3.99	<0.05	0.10	0.21	0.032	0.09	12.3	12.8	2.21	1730	1.04	0.02
CC160525		0.44	17.7	2.83	2.06	<0.05	0.10	0.75	0.018	0.07	7.4	5.8	6.29	1830	0.65	0.02
CC160526		0.84	14.2	4.00	3.68	0.05	0.07	0.31	0.025	0.08	14.1	8.9	5.07	2340	0.82	0.02
CC160527		2.06	22.3	3.89	3.76	<0.05	0.08	0.27	0.036	0.08	8.3	11.9	0.29	929	0.92	0.01
CC160528		0.54	30.9	4.07	4.26	<0.05	0.08	0.51	0.038	0.09	7.9	14.2	0.34	910	1.06	0.01
DD015748		1.19	17.7	3.48	3.49	<0.05	0.03	0.22	0.036	0.08	7.6	12.5	0.22	669	1.02	0.01
DD015749		29.6	31.5	2.95	2.90	<0.05	0.04	0.46	0.028	0.08	8.3	10.4	1.59	917	1.11	0.02
DD015750		2.20	28.9	2.67	3.75	<0.05	0.03	0.25	0.031	0.06	7.9	12.0	0.37	745	0.75	0.02
CC160508		0.62	16.3	2.52	2.68	<0.05	0.06	0.59	0.027	0.05	15.3	7.4	0.18	356	0.62	0.01
CC160509		0.58	19.0	2.55	1.13	<0.05	0.04	0.36	0.033	0.05	9.9	2.6	0.06	239	0.50	0.01
CC160510		0.85	31.6	4.00	2.05	<0.05	0.07	1.27	0.032	0.08	4.8	7.4	0.45	656	1.08	0.01
CC160511		1.05	21.8	3.20	2.88	<0.05	0.05	0.26	0.030	0.06	7.2	8.5	0.25	731	0.94	0.01
CC160512		2.38	25.0	3.87	2.84	<0.05	0.04	0.12	0.040	0.07	9.9	9.1	0.18	523	1.08	0.01
CC160513		1.47	7.1	1.92	1.14	0.06	0.05	0.70	0.028	0.05	8.7	3.2	0.05	115	0.33	0.01
CC160514		0.63	13.5	2.89	2.05	0.07	0.06	0.61	0.018	0.05	9.6	7.6	7.16	1610	0.79	0.02
CC160529		1.10	19.2	3.20	4.59	0.07	0.07	0.31	0.035	0.06	9.6	14.2	0.31	683	0.92	0.01
CC160530		1.09	18.8	2.97	3.24	0.08	0.07	0.38	0.031	0.07	10.4	11.0	0.27	720	0.87	0.01
CC160531		0.43	21.5	3.58	2.99	0.09	0.09	1.26	0.036	0.07	9.0	11.7	0.91	1120	1.12	0.01
CC160532		1.03	14.6	3.53	5.03	0.07	0.06	0.15	0.033	0.07	9.0	18.2	0.36	592	0.95	0.01
CC160533		1.05	18.6	3.17	3.67	0.06	0.02	0.07	0.028	0.07	5.4	8.9	0.15	407	1.18	0.01
CC160534		3.74	28.6	3.30	3.18	0.07	0.07	0.46	0.033	0.07	7.5	16.1	1.37	804	1.06	0.01
CC160535		0.90	16.5	3.83	4.69	0.07	0.08	0.15	0.040	0.07	13.1	16.7	0.59	1300	1.02	0.01
CC160536		0.39	10.8	3.43	1.64	0.08	0.08	0.49	0.013	0.03	11.8	4.0	8.14	2440	0.44	0.02
CC160537		0.65	13.5	4.37	5.01	0.09	0.10	0.38	0.035	0.05	12.3	14.0	0.64	1220	0.74	0.01

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160501		0.69	19.5	350	23.8	14.0	0.002	0.02	0.49	3.4	<0.2	0.6	14.5	<0.01	0.02	3.0
CC160502		0.48	30.4	380	34.8	9.6	0.001	0.03	0.70	5.2	0.5	0.5	17.3	<0.01	0.06	2.8
CC160503		0.47	26.4	830	27.9	8.6	0.001	0.06	0.54	4.2	0.8	0.5	27.6	<0.01	0.05	1.6
CC160504		0.44	20.3	970	19.9	8.3	0.002	0.07	0.82	2.7	0.7	0.4	28.3	<0.01	0.05	1.3
CC160505		0.45	19.6	730	33.0	8.3	0.002	0.05	0.90	3.0	1.1	0.4	37.7	<0.01	0.02	1.6
CC160506		0.37	19.3	800	17.8	9.2	0.002	0.07	0.54	2.0	1.0	0.3	77.2	<0.01	0.03	0.8
CC160507		0.51	14.4	350	15.6	8.3	0.002	0.03	0.25	2.2	0.7	0.3	40.9	<0.01	0.03	1.7
CC160515		0.36	22.8	700	41.8	9.3	0.002	0.05	1.06	4.5	0.8	0.4	19.3	<0.01	0.06	2.0
CC160516		0.25	11.5	800	18.3	6.9	0.003	0.05	0.89	2.3	0.5	0.3	55.2	<0.01	0.04	0.9
CC160517		0.46	19.6	1070	28.2	9.6	0.002	0.08	1.18	2.5	1.0	0.5	17.7	<0.01	0.04	0.8
CC160518		0.38	24.6	370	36.1	11.2	0.002	0.03	2.02	7.4	0.7	0.5	11.6	<0.01	0.07	4.0
CC160519		0.27	17.7	360	13.6	10.6	0.002	0.04	1.59	6.1	0.6	0.3	16.0	<0.01	0.05	2.0
CC160520		0.38	41.9	320	38.0	11.8	0.001	0.03	1.49	7.2	1.6	0.5	17.8	<0.01	0.06	4.3
CC160521		0.35	27.4	350	30.7	8.9	0.001	0.03	0.81	5.3	0.6	0.4	26.1	<0.01	0.06	2.7
CC160522		0.32	29.8	450	31.7	10.1	0.002	0.05	1.14	5.2	0.9	0.4	29.0	<0.01	0.06	2.2
CC160523		1.05	21.5	480	24.1	10.4	0.001	0.05	0.70	4.5	<0.2	0.5	21.6	<0.01	0.04	2.4
CC160524		0.55	23.5	700	29.1	11.2	0.001	0.05	1.02	4.4	0.7	0.5	28.7	<0.01	0.07	2.4
CC160525		0.24	17.6	950	24.2	6.1	0.001	0.07	1.55	2.9	0.9	0.3	49.4	<0.01	0.04	1.5
CC160526		0.50	16.2	950	20.3	9.0	0.002	0.06	0.85	3.7	0.6	0.4	40.0	<0.01	0.03	1.9
CC160527		0.50	25.2	280	28.0	10.6	0.002	0.02	0.68	5.0	0.7	0.5	15.6	<0.01	0.05	4.2
CC160528		0.50	26.2	330	29.0	9.3	0.001	0.03	0.66	5.5	0.5	0.5	16.1	<0.01	0.04	4.0
DD015748		0.56	20.3	320	19.7	12.4	0.001	0.02	0.53	4.1	0.5	0.4	14.3	<0.01	0.03	3.0
DD015749		0.39	23.8	1080	22.6	18.7	0.002	0.10	0.81	2.4	0.7	0.4	48.1	<0.01	0.04	0.8
DD015750		0.61	24.0	980	18.4	11.2	0.002	0.10	0.57	2.3	0.9	0.4	49.6	<0.01	0.03	0.7
CC160508		0.37	21.6	360	24.3	5.8	0.001	0.03	0.40	4.0	0.8	0.4	35.1	<0.01	0.04	2.8
CC160509		0.15	27.6	330	24.2	4.1	0.002	0.03	0.21	5.1	0.9	0.4	108.0	<0.01	0.04	3.8
CC160510		0.24	33.3	430	37.0	6.6	0.002	0.04	0.89	4.6	0.6	0.4	28.9	<0.01	0.03	3.3
CC160511		0.41	24.0	610	24.2	9.0	0.002	0.06	0.61	3.0	0.7	0.4	27.1	<0.01	0.04	1.2
CC160512		0.39	30.2	440	24.7	14.0	0.001	0.03	0.51	5.1	0.6	0.5	27.5	<0.01	0.03	3.1
CC160513		0.11	11.6	210	30.2	4.7	<0.001	0.02	0.11	4.5	0.4	0.2	18.1	<0.01	0.02	4.3
CC160514		0.31	14.1	960	17.1	5.6	<0.001	0.04	1.20	2.8	0.8	0.2	52.4	<0.01	0.04	1.0
CC160529		0.64	22.1	550	22.9	11.2	<0.001	0.05	0.54	4.1	0.9	0.5	55.6	0.01	0.04	1.7
CC160530		0.56	22.3	470	22.9	10.9	<0.001	0.06	0.68	3.8	1.2	0.4	53.3	<0.01	0.04	1.6
CC160531		0.36	23.9	350	33.7	5.8	<0.001	0.04	0.92	5.2	0.9	0.4	27.3	0.01	0.03	2.9
CC160532		0.78	23.4	200	23.5	12.5	<0.001	0.02	0.50	4.6	0.5	0.6	29.6	<0.01	0.03	4.5
CC160533		0.73	14.6	190	22.5	17.4	<0.001	0.02	0.54	2.7	0.4	0.5	12.6	<0.01	0.04	2.5
CC160534		0.37	24.2	600	26.2	17.9	0.001	0.05	0.90	3.5	1.2	0.4	38.2	<0.01	0.06	1.6
CC160535		0.59	20.1	200	30.7	9.8	<0.001	0.02	0.70	5.2	0.6	0.6	10.9	<0.01	0.04	4.5
CC160536		0.25	10.3	980	21.8	4.6	<0.001	0.06	1.34	2.4	0.8	<0.2	43.0	0.01	0.05	1.0
CC160537		0.57	21.3	310	27.0	6.7	<0.001	0.03	0.57	7.4	0.8	0.5	9.5	0.01	0.04	4.3

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
CC160501		0.011	0.16	0.65	39	0.11	3.71	102	0.9	
CC160502		0.007	0.23	1.67	26	0.10	10.05	75	1.6	
CC160503		0.008	0.16	1.51	30	0.09	20.9	141	1.3	
CC160504		0.013	0.18	1.33	29	0.20	11.95	184	1.5	
CC160505		0.010	0.19	1.76	31	0.10	13.00	122	1.7	
CC160506		0.010	0.12	0.94	21	0.09	9.56	67	1.5	
CC160507		0.012	0.09	1.49	24	0.10	5.99	92	1.3	
CC160515		0.008	0.23	1.23	29	0.10	15.50	355	1.8	
CC160516		<0.005	0.49	1.16	23	0.07	7.42	147	1.3	
CC160517		0.012	0.72	1.15	37	0.11	10.70	93	0.8	
CC160518		0.006	0.45	0.81	33	0.20	15.35	96	1.7	
CC160519		0.005	0.51	0.72	15	0.25	9.21	33	1.0	
CC160520		0.005	0.24	1.21	38	0.10	18.90	114	1.8	
CC160521		0.005	0.20	0.65	37	0.10	14.50	106	1.4	
CC160522		<0.005	0.22	1.13	40	0.06	18.55	130	1.4	
CC160523		0.011	0.29	0.94	38	0.15	10.60	109	1.7	
CC160524		0.011	0.25	1.02	36	0.13	13.75	124	2.2	
CC160525		0.005	0.25	1.26	19	0.14	10.45	68	2.1	
CC160526		0.009	0.27	1.92	33	0.14	20.4	107	2.1	
CC160527		0.007	0.25	0.72	32	0.09	11.00	87	1.9	
CC160528		0.006	0.16	1.08	35	0.09	11.10	119	2.3	
DD015748		0.008	0.15	0.90	34	0.10	9.02	77	1.2	
DD015749		0.010	0.11	1.32	29	0.11	10.35	161	1.2	
DD015750		0.012	0.09	3.86	32	0.15	7.79	118	1.0	
CC160508		0.006	0.14	0.74	25	0.07	12.65	52	1.8	
CC160509		<0.005	0.07	0.60	9	0.05	16.60	79	1.7	
CC160510		<0.005	0.15	0.81	21	0.05	8.10	163	1.9	
CC160511		0.008	0.10	1.36	25	0.08	8.82	94	1.1	
CC160512		0.007	0.20	1.22	27	0.13	11.50	120	1.1	
CC160513		<0.005	0.10	0.63	9	<0.05	6.00	19	1.2	
CC160514		0.007	0.33	1.25	19	0.11	13.60	64	1.2	
CC160529		0.010	0.15	2.24	37	0.15	9.92	81	1.3	
CC160530		0.008	0.13	2.13	27	0.13	13.05	99	1.4	
CC160531		0.005	0.13	1.05	26	0.09	14.90	132	1.8	
CC160532		0.011	0.16	0.87	38	0.13	7.14	81	1.8	
CC160533		0.013	0.10	0.46	30	0.11	2.41	105	0.6	
CC160534		0.008	0.28	1.13	25	0.10	9.86	145	1.3	
CC160535		0.008	0.22	1.04	40	0.11	11.15	94	1.9	
CC160536		0.007	0.13	1.92	14	0.10	15.15	31	1.6	
CC160537		0.007	0.14	1.41	38	0.13	17.15	68	2.2	

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160538		0.14	0.002	0.12	0.82	106.0	<0.2	<10	110	0.88	0.33	5.28	0.22	20.6	13.4	12
CC160539		0.11	0.002	0.07	0.41	39	<0.2	<10	50	0.37	0.13	13.25	0.08	10.10	6.2	7
CC160540		0.17	0.001	0.13	0.81	45.9	<0.2	10	170	0.70	0.22	3.84	0.30	14.00	9.3	12
CC160541		0.16	0.001	0.23	0.85	30.5	<0.2	10	330	0.86	0.21	3.07	0.88	11.45	9.5	15
CC160542		0.25	0.002	0.15	0.73	24.5	<0.2	<10	240	0.89	0.28	1.92	0.46	12.20	10.9	14
CC160543		0.30	0.003	0.14	1.10	42.0	<0.2	<10	260	1.18	0.30	2.25	0.52	14.30	15.1	18
CC160544		0.26	0.002	0.15	1.37	40.2	<0.2	<10	290	1.26	0.30	0.59	0.17	17.85	11.8	21
CC160545		0.27	0.001	0.14	1.01	31.0	<0.2	<10	240	1.05	0.29	1.94	0.59	13.40	14.4	17
CC160546		0.31	0.001	0.13	1.20	30.6	<0.2	<10	290	1.20	0.32	1.58	0.33	16.05	15.8	20
CC160547		0.27	0.001	0.14	1.09	36.3	<0.2	<10	260	1.06	0.32	3.04	0.42	13.65	14.3	19
CC160548		<0.02	0.002	0.22	0.91	46.5	<0.2	<10	230	1.02	0.25	3.24	0.72	16.15	13.6	16
CC160549		0.24	0.002	0.09	1.23	37.8	<0.2	<10	240	1.24	0.31	0.97	0.16	15.95	14.0	22
CC160550		0.22	0.002	0.07	1.24	40.6	<0.2	<10	230	1.07	0.31	0.53	0.26	16.40	12.5	22
CC160551		0.26	0.002	0.12	1.12	36.5	<0.2	<10	260	1.08	0.30	2.51	0.32	14.25	15.2	21
CC160552		0.28	0.002	0.13	1.04	37.6	<0.2	<10	210	1.06	0.31	2.93	0.39	14.60	16.2	19
CC160553		0.40	0.002	0.16	1.04	67.4	<0.2	<10	260	1.00	0.28	2.07	0.38	13.40	12.2	19
CC160554		0.35	0.002	0.12	1.20	70.3	<0.2	<10	310	1.12	0.29	1.45	0.30	16.35	13.8	20
CC160555		0.30	0.001	0.11	1.18	42.9	<0.2	<10	310	1.17	0.31	0.71	0.18	20.0	13.4	20
CC160556		0.21	0.002	0.10	1.02	45.4	<0.2	<10	230	1.08	0.30	2.52	0.49	14.60	14.2	18
CC160557		0.17	0.001	0.05	1.00	47.9	<0.2	<10	220	0.86	0.30	0.16	0.11	10.55	11.9	17
CC160558		0.18	0.002	0.09	0.25	66	<0.2	<10	60	0.42	0.16	13.45	0.18	13.20	9.2	5
CC160559		0.21	0.010	0.07	1.30	55.7	<0.2	<10	140	1.00	0.27	3.17	0.35	29.7	11.5	19
CC160825		0.21	0.006	0.10	0.82	355	<0.2	<10	90	0.98	0.40	2.33	0.20	22.6	17.2	14
CC160826		0.18	0.004	0.15	1.18	111.0	<0.2	<10	90	0.86	0.23	4.61	0.26	22.9	10.4	19
CC160827		0.23	0.002	0.12	1.20	50.0	<0.2	<10	140	1.21	0.33	0.80	0.15	19.10	14.3	20
CC160828		0.25	0.001	0.13	0.72	57	<0.2	<10	80	0.72	0.17	10.70	0.26	16.05	7.5	12
CC160829		0.21	0.001	0.07	0.97	103	<0.2	10	140	0.59	0.15	10.35	0.34	17.70	5.4	10
CC160830		0.45	0.002	0.09	1.19	40.9	<0.2	<10	220	0.96	0.33	5.05	0.24	14.50	13.5	18
CC160831		0.19	0.001	0.12	1.02	27.7	<0.2	<10	130	0.75	0.25	1.44	0.26	32.2	8.0	17
CC160832		0.31	0.002	0.13	1.17	50.4	<0.2	<10	170	0.89	0.30	1.05	0.19	19.70	12.0	20
CC160833		0.34	0.002	0.11	1.41	67.9	<0.2	<10	250	1.08	0.30	1.45	0.15	22.6	13.9	24
CC160834		0.41	0.002	0.12	1.49	31.4	<0.2	<10	270	0.80	0.27	0.62	0.19	23.2	10.3	25
CC160835		0.29	0.001	0.11	0.70	29.9	<0.2	<10	130	0.53	0.22	0.71	0.16	18.20	7.5	13
CC160836		0.34	0.002	0.12	1.07	37.3	<0.2	<10	210	0.77	0.31	1.79	0.29	19.55	12.8	19
CC160837		0.53	0.001	0.17	0.31	171.0	<0.2	<10	80	0.68	0.35	2.02	0.13	11.35	11.0	5
CC160838		0.31	0.004	0.15	1.25	39.0	<0.2	<10	160	0.81	0.22	6.41	0.20	24.7	8.8	18
CC160560		0.22	0.001	0.06	1.36	27.9	<0.2	<10	250	1.02	0.28	0.53	0.14	17.55	11.4	23
CC160561		0.23	0.001	0.10	1.35	36.3	<0.2	<10	290	1.20	0.35	2.24	0.21	18.00	15.4	21
CC160562		0.12	0.001	0.10	1.63	71.7	<0.2	10	180	1.09	0.21	5.54	0.36	35.7	10.0	20
CC160563		0.30	0.001	0.07	1.47	58.6	<0.2	<10	250	1.04	0.38	0.17	0.11	16.75	12.3	24

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160538		1.33	25.9	4.32	2.33	0.11	0.11	0.81	0.028	0.06	13.6	5.8	2.59	1060	0.75	0.02
CC160539		1.26	14.0	1.73	1.09	<0.05	0.08	0.50	0.011	0.05	5.6	3.4	8.10	608	0.43	0.02
CC160540		2.04	23.6	2.87	2.43	0.06	0.09	0.52	0.026	0.06	8.8	6.6	1.27	747	0.73	0.02
CC160541		1.33	27.4	2.59	2.76	0.06	0.08	0.45	0.027	0.10	6.0	12.3	1.18	531	1.87	0.02
CC160542		2.38	27.4	2.82	2.58	0.07	0.08	0.38	0.029	0.11	5.7	11.9	0.70	404	1.23	0.02
CC160543		1.66	32.9	3.61	3.71	0.08	0.07	0.63	0.036	0.13	6.2	18.5	1.17	750	1.57	0.02
CC160544		0.77	25.7	3.60	4.61	0.10	0.09	0.42	0.039	0.09	10.1	18.2	0.40	475	1.19	0.01
CC160545		1.06	31.3	3.30	3.55	0.08	0.07	0.48	0.031	0.11	5.7	16.4	0.92	736	1.50	0.01
CC160546		1.29	34.6	3.83	3.85	0.07	0.09	0.52	0.038	0.12	7.1	18.9	0.78	812	1.72	0.02
CC160547		1.56	39.4	3.51	3.79	0.08	0.07	0.62	0.034	0.13	6.1	17.7	1.16	675	1.42	0.02
CC160548		1.46	32.8	3.25	2.93	0.07	0.07	0.76	0.036	0.11	7.6	12.8	1.34	756	2.19	0.02
CC160549		0.53	42.4	4.07	4.29	0.08	0.08	0.51	0.040	0.09	6.4	15.8	0.47	722	1.16	0.01
CC160550		0.61	33.0	3.87	4.48	0.08	0.07	0.52	0.038	0.10	7.3	14.9	0.29	725	1.05	0.01
CC160551		1.31	39.5	3.61	4.04	0.09	0.07	0.52	0.036	0.12	6.3	17.6	0.98	740	1.48	0.02
CC160552		1.61	33.8	3.42	3.70	0.08	0.08	0.60	0.033	0.12	6.0	18.4	1.32	861	1.34	0.02
CC160553		1.30	33.8	3.35	3.57	0.07	0.07	0.56	0.036	0.10	6.1	15.0	0.98	594	1.28	0.02
CC160554		1.06	35.8	3.60	4.05	0.08	0.07	0.59	0.037	0.12	7.2	18.4	0.65	861	1.21	0.01
CC160555		2.95	41.2	3.75	3.94	0.09	0.08	0.36	0.040	0.11	8.1	16.5	0.40	867	0.85	0.01
CC160556		1.11	38.5	3.47	3.62	0.08	0.08	0.57	0.035	0.12	6.2	17.3	0.89	820	1.10	0.02
CC160557		2.89	17.7	3.53	3.83	0.06	0.03	0.36	0.034	0.12	4.4	12.8	0.16	919	0.95	0.01
CC160558		1.64	17.4	1.90	0.75	0.06	0.07	0.85	0.016	0.05	8.4	2.5	8.18	1030	0.29	0.03
CC160559		1.04	15.8	3.95	4.02	0.10	0.09	0.32	0.034	0.12	14.7	14.5	1.86	1660	0.73	0.02
CC160825		1.97	33.1	2.77	2.59	0.08	0.10	0.28	0.024	0.12	11.2	12.4	0.74	440	0.86	0.01
CC160826		0.99	21.6	2.85	3.57	0.07	0.09	0.40	0.026	0.08	11.1	22.2	2.28	774	0.87	0.02
CC160827		0.74	37.1	4.02	3.98	0.07	0.08	0.67	0.042	0.10	8.3	16.4	0.55	1040	0.96	0.01
CC160828		0.51	17.8	2.18	1.97	0.05	0.06	0.47	0.021	0.07	8.7	6.9	6.09	1180	0.75	0.02
CC160829		1.22	12.9	4.14	2.29	<0.05	0.08	0.14	0.019	0.08	8.8	4.9	5.64	2630	0.60	0.02
CC160830		0.82	35.9	3.57	3.51	<0.05	0.06	0.60	0.035	0.09	6.0	13.0	1.00	854	0.95	0.01
CC160831		1.54	13.0	2.89	2.94	0.05	0.05	0.37	0.032	0.09	15.8	7.0	0.23	445	0.61	0.01
CC160832		0.66	27.3	4.10	3.43	0.06	0.07	0.59	0.035	0.07	9.0	12.5	0.60	1000	0.96	0.01
CC160833		0.85	28.3	4.25	4.15	0.05	0.07	0.66	0.041	0.07	10.3	19.6	1.08	1260	1.19	0.01
CC160834		0.91	16.7	3.84	4.08	<0.05	0.04	0.34	0.034	0.06	9.5	14.1	0.39	956	0.96	0.01
CC160835		0.76	16.3	2.51	2.09	<0.05	0.05	0.31	0.026	0.06	7.0	7.8	0.16	468	0.59	0.01
CC160836		1.69	27.4	3.63	3.36	<0.05	0.04	0.35	0.029	0.07	9.0	14.2	0.74	1060	0.99	0.01
CC160837		8.08	25.0	2.52	0.98	<0.05	0.04	1.12	0.028	0.06	4.6	2.8	0.26	305	0.52	0.01
CC160838		0.56	15.9	3.46	3.40	<0.05	0.08	0.33	0.026	0.06	12.0	9.9	4.15	1460	0.78	0.01
CC160560		0.56	26.2	3.88	4.38	<0.05	0.05	0.38	0.033	0.09	7.8	15.8	0.46	623	1.02	0.01
CC160561		0.58	38.4	3.98	4.27	<0.05	0.07	0.39	0.043	0.11	7.8	16.2	1.05	964	0.99	0.01
CC160562		0.71	12.4	4.77	4.14	0.06	0.07	0.15	0.032	0.09	19.9	11.7	3.64	3470	0.72	0.02
CC160563		0.89	27.7	4.47	4.28	<0.05	0.05	0.53	0.047	0.07	6.1	17.3	0.33	735	0.95	0.01

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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





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 Total # Pages: 5 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160538		0.33	29.9	740	45.2	5.5	<0.001	0.07	2.98	6.4	0.9	0.4	24.9	0.01	0.13	2.2
CC160539		0.21	11.7	1080	21.8	3.4	<0.001	0.05	1.67	2.1	0.6	0.2	61.2	<0.01	0.06	1.3
CC160540		0.42	22.3	990	31.4	5.9	<0.001	0.09	2.05	3.3	1.0	0.4	35.6	0.01	0.09	1.1
CC160541		0.35	27.0	670	18.9	12.9	0.001	0.09	1.16	3.7	2.0	0.4	42.8	<0.01	0.04	1.5
CC160542		0.31	25.8	560	19.8	10.7	0.003	0.08	0.77	4.0	1.4	0.4	35.5	<0.01	0.03	2.5
CC160543		0.39	34.2	500	25.1	9.9	0.001	0.05	1.01	5.8	1.1	0.5	34.3	<0.01	0.03	3.9
CC160544		0.50	30.2	330	23.1	8.8	<0.001	0.02	0.72	6.3	1.1	0.5	20.0	<0.01	0.04	4.0
CC160545		0.40	32.6	550	23.8	8.5	0.001	0.05	0.67	5.2	1.2	0.4	30.0	<0.01	0.03	2.7
CC160546		0.44	36.4	410	25.4	9.4	<0.001	0.03	0.71	6.1	0.9	0.5	32.4	<0.01	0.04	4.5
CC160547		0.44	32.4	540	27.8	10.1	0.001	0.06	0.72	5.6	0.9	0.5	51.8	<0.01	0.03	3.8
CC160548		0.43	31.6	550	27.1	9.6	<0.001	0.05	1.16	4.9	1.0	0.5	43.6	<0.01	0.05	2.5
CC160549		0.45	27.2	240	30.9	9.1	<0.001	0.03	0.60	6.7	0.8	0.5	26.0	<0.01	0.04	4.4
CC160550		0.51	25.6	250	27.4	10.5	<0.001	0.03	0.52	5.5	0.7	0.6	15.2	<0.01	0.03	3.4
CC160551		0.49	35.5	500	26.1	9.7	<0.001	0.03	0.77	5.8	0.8	0.5	52.3	<0.01	0.03	4.0
CC160552		0.39	34.0	540	28.0	9.0	0.001	0.04	0.84	5.5	0.8	0.5	46.2	<0.01	0.03	4.4
CC160553		0.40	29.1	560	23.3	9.5	<0.001	0.04	0.76	5.1	1.0	0.5	34.5	<0.01	0.04	2.5
CC160554		0.51	29.7	360	25.8	10.1	<0.001	0.04	0.70	5.5	0.9	0.5	30.5	<0.01	0.04	3.1
CC160555		0.45	24.1	340	27.1	12.5	<0.001	0.03	0.58	6.2	0.8	0.5	20.8	<0.01	0.04	3.5
CC160556		0.45	29.2	470	25.8	9.1	<0.001	0.05	0.60	5.5	0.7	0.5	49.4	<0.01	0.03	4.2
CC160557		0.47	16.9	290	24.4	15.5	<0.001	0.02	0.43	3.7	0.3	0.5	9.8	<0.01	0.04	2.7
CC160558		0.14	12.7	750	33.4	3.4	<0.001	0.05	1.84	4.1	0.6	0.2	64.9	<0.01	0.04	1.8
CC160559		0.59	20.7	300	32.0	11.7	<0.001	0.03	1.23	5.9	0.6	0.5	17.5	<0.01	0.04	4.8
CC160825		0.49	29.1	700	25.4	6.8	<0.001	0.04	1.08	5.2	0.7	0.4	36.7	<0.01	0.10	4.3
CC160826		0.54	23.4	660	20.7	7.2	<0.001	0.04	0.87	3.9	0.6	0.4	50.1	<0.01	0.04	3.8
CC160827		0.40	28.9	200	30.2	8.4	<0.001	0.02	0.62	5.8	0.8	0.6	17.4	<0.01	0.04	4.6
CC160828		0.22	16.5	1090	21.5	6.0	<0.001	0.03	0.99	2.9	0.9	0.3	63.9	<0.01	0.04	1.2
CC160829		0.21	12.2	1630	14.2	6.8	<0.001	0.06	0.87	1.9	1.2	0.3	39.7	0.01	0.06	0.9
CC160830		0.32	27.1	470	28.4	7.1	<0.001	0.02	0.59	4.9	0.8	0.5	90.6	<0.01	0.02	4.2
CC160831		0.41	20.3	420	24.9	9.1	<0.001	0.03	0.41	3.3	0.2	0.5	40.3	<0.01	0.04	1.8
CC160832		0.39	25.3	370	31.8	7.3	<0.001	0.01	0.69	5.3	0.6	0.5	18.7	<0.01	0.05	3.6
CC160833		0.34	28.3	420	31.3	8.6	<0.001	<0.01	0.63	6.7	1.4	0.5	21.9	<0.01	0.04	4.5
CC160834		0.57	23.0	300	23.8	8.5	<0.001	0.01	0.66	4.6	1.0	0.5	33.6	<0.01	0.03	3.9
CC160835		0.27	17.6	360	21.4	8.4	<0.001	0.01	0.53	3.2	1.1	0.3	34.0	<0.01	0.03	2.7
CC160836		0.46	24.9	480	34.6	15.1	<0.001	0.03	0.72	3.9	1.4	0.5	61.0	<0.01	0.04	1.8
CC160837		0.09	25.4	380	31.5	6.7	<0.001	0.03	2.06	3.4	0.7	0.3	75.7	<0.01	0.03	3.9
CC160838		0.40	18.0	630	25.0	8.2	0.001	0.04	0.89	3.8	1.3	0.4	28.0	<0.01	0.02	1.7
CC160560		0.49	24.6	220	23.1	10.4	<0.001	<0.01	0.51	5.1	0.7	0.6	12.6	<0.01	0.06	4.1
CC160561		0.38	28.6	320	30.5	8.3	<0.001	0.02	0.57	6.0	0.7	0.7	33.4	<0.01	0.05	4.7
CC160562		0.57	20.7	550	27.4	11.6	<0.001	0.03	0.94	4.8	1.1	0.5	30.6	<0.01	0.03	2.9
CC160563		0.39	25.3	200	31.6	10.7	<0.001	<0.01	0.55	4.8	0.7	0.6	10.3	<0.01	0.01	4.9

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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 Total # Pages: 5 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Zn-OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
CC160538		<0.005	0.41	2.55	19	0.16	17.45	54	2.4	
CC160539		<0.005	0.30	2.10	10	0.08	9.09	23	2.0	
CC160540		0.006	0.28	2.30	18	0.09	15.60	57	2.6	
CC160541		0.005	0.20	2.10	33	0.09	11.15	156	1.9	
CC160542		<0.005	0.17	1.02	24	0.06	8.50	124	1.8	
CC160543		0.005	0.25	0.89	27	0.06	10.90	144	2.0	
CC160544		0.005	0.16	1.70	31	0.09	15.40	96	2.0	
CC160545		<0.005	0.20	1.07	28	0.06	9.79	138	1.6	
CC160546		<0.005	0.25	0.82	30	0.06	11.15	131	2.4	
CC160547		0.006	0.28	1.10	27	0.07	9.72	147	1.8	
CC160548		<0.005	0.31	1.04	30	0.08	13.10	147	1.5	
CC160549		<0.005	0.17	0.76	29	0.07	11.40	121	2.1	
CC160550		0.006	0.17	0.97	29	0.09	9.78	103	1.6	
CC160551		0.006	0.21	0.81	26	0.07	10.65	134	2.1	
CC160552		0.005	0.25	0.89	25	0.07	8.87	133	2.0	
CC160553		0.005	0.24	1.08	27	0.07	10.60	140	1.5	
CC160554		0.005	0.22	0.79	27	0.08	11.40	120	1.7	
CC160555		0.006	0.18	1.16	27	0.10	13.30	102	1.5	
CC160556		0.006	0.22	0.90	23	0.08	9.26	134	2.0	
CC160557		0.006	0.17	0.40	26	0.08	2.53	66	0.8	
CC160558		<0.005	0.40	0.77	7	0.07	10.75	155	1.5	
CC160559		0.011	0.26	0.63	31	0.15	13.10	204	2.0	
CC160825		0.011	0.65	0.75	21	0.17	11.95	95	2.2	
CC160826		0.011	0.27	0.94	24	0.12	11.15	100	2.4	
CC160827		0.005	0.19	0.77	26	0.09	12.80	109	2.1	
CC160828		0.006	0.15	1.29	17	0.09	12.00	61	1.5	
CC160829		0.007	0.23	1.74	17	0.10	13.40	65	2.1	
CC160830		0.005	0.20	0.81	24	0.07	8.94	146	1.9	
CC160831		0.008	0.18	1.09	26	0.11	13.05	64	1.3	
CC160832		0.006	0.15	0.96	29	0.07	12.35	116	1.7	
CC160833		0.005	0.19	1.46	34	0.09	17.60	102	2.1	
CC160834		0.009	0.16	1.34	38	0.12	8.58	98	1.2	
CC160835		0.007	0.11	1.03	18	0.07	7.37	67	1.5	
CC160836		0.010	0.17	1.56	29	0.12	10.10	104	1.0	
CC160837		<0.005	0.50	1.00	8	0.07	6.52	113	1.6	
CC160838		0.009	0.15	1.24	29	0.12	14.15	57	1.7	
CC160560		0.008	0.14	0.82	31	0.09	8.53	93	1.6	
CC160561		0.005	0.18	0.75	28	0.06	11.85	107	2.1	
CC160562		0.013	0.26	0.94	36	0.14	16.75	88	2.0	
CC160563		0.005	0.23	0.85	30	0.07	6.08	102	1.5	

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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To: STRATEGIC METALS LTD.  
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 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160564		0.22	0.002	0.07	1.53	92.6	<0.2	<10	300	1.19	0.33	0.26	0.08	19.50	12.2	25
CC160565		0.25	0.002	0.09	0.21	22	<0.2	<10	70	0.33	0.11	15.65	0.06	10.70	5.5	5
CC160566		0.17	0.002	0.05	1.44	47.8	<0.2	<10	230	0.95	0.29	0.22	0.10	14.95	10.6	22
CC160567		0.17	0.001	0.03	1.27	52.2	<0.2	<10	160	0.83	0.29	0.30	0.15	15.75	11.9	20
CC160568		0.25	0.002	0.05	1.16	54.4	<0.2	<10	230	0.75	0.26	0.21	0.21	22.0	11.6	21
CC160569		0.21	0.004	0.12	1.42	37.3	<0.2	<10	260	0.89	0.30	0.40	0.14	26.3	11.7	27
CC160570		0.20	0.002	0.15	1.09	75.1	<0.2	<10	200	0.86	0.27	2.77	0.25	17.45	10.5	18
CC160651		0.19	0.001	0.05	1.34	146.0	<0.2	<10	140	1.13	0.25	1.76	0.20	20.8	9.5	18
CC160652		0.23	<0.001	0.09	1.04	40.2	<0.2	<10	200	0.85	0.31	0.72	0.17	16.10	12.9	19
CC160653		0.20	0.003	0.12	1.22	44.1	<0.2	<10	270	0.97	0.33	0.88	0.26	20.2	13.3	21
CC160654		0.19	0.001	0.03	1.34	52.6	<0.2	<10	150	0.97	0.33	0.31	0.09	13.60	11.4	22
CC160655		0.21	0.007	0.37	0.46	204	<0.2	<10	70	0.60	0.13	16.40	0.30	6.59	5.5	8
CC160656		0.11	0.002	0.12	0.87	43.7	<0.2	<10	200	0.65	0.18	2.39	0.33	14.35	7.6	13
CC160657		0.18	0.001	0.05	1.39	56.1	<0.2	<10	210	1.18	0.32	0.32	0.18	31.7	13.7	25
CC160658		0.16	0.001	0.04	1.07	28.9	<0.2	<10	170	0.69	0.23	0.27	0.50	20.5	9.7	18
CC160659		0.14	0.001	0.03	1.27	35.2	<0.2	<10	150	0.80	0.28	0.30	0.23	16.65	11.4	22
CC160660		0.10	0.002	0.18	1.17	57.6	<0.2	<10	150	0.82	0.14	9.56	55.0	18.35	6.4	13
CC160661		0.17	0.001	0.03	1.56	41.6	<0.2	<10	200	1.07	0.28	0.38	0.27	28.1	11.9	26
CC160662		0.15	0.002	0.14	1.81	76.4	<0.2	<10	250	1.55	0.26	4.26	0.27	26.0	10.5	24
CC160663		0.19	0.001	0.07	1.32	109.5	<0.2	<10	230	0.83	0.21	0.57	0.12	20.5	8.2	23
CC160664		0.17	0.001	0.04	1.64	30.5	<0.2	<10	250	0.90	0.27	1.17	0.19	21.1	9.5	27
CC160665		0.24	0.004	0.15	1.16	43.1	<0.2	<10	140	0.56	0.22	7.64	0.15	21.7	7.7	19
CC160666		0.28	0.001	0.14	1.25	29.7	<0.2	<10	240	1.10	0.33	1.79	0.32	18.35	14.2	21
CC160667		0.18	0.004	0.10	1.15	47.8	<0.2	<10	210	1.07	0.32	1.99	0.21	16.55	13.5	21
CC160668		0.16	0.001	0.09	1.35	38.0	<0.2	<10	230	1.09	0.32	1.12	0.29	15.15	11.6	22
CC160669		0.19	0.003	0.09	1.33	76.4	<0.2	<10	200	1.12	0.35	0.56	0.12	16.45	12.8	23
CC160670		0.22	0.001	0.05	0.57	20.8	<0.2	<10	80	0.65	0.35	0.17	0.07	10.20	8.7	8
CC160671		0.20	0.001	0.15	1.40	108.0	<0.2	<10	150	1.05	0.20	3.49	0.36	21.0	5.9	25
CC160672		0.28	0.001	0.13	1.59	54.4	<0.2	<10	210	1.06	0.28	0.41	0.32	27.2	11.4	27
CC160673		0.20	0.001	0.18	1.56	106.5	<0.2	<10	210	1.38	0.30	0.60	0.30	33.2	11.1	23
CC160674		0.16	0.001	0.11	0.98	63.3	<0.2	<10	160	0.75	0.15	9.86	0.50	14.10	5.4	13
CC160675		0.22	0.002	0.16	1.55	112.5	<0.2	<10	210	0.85	0.22	3.37	0.46	21.1	8.6	24
CC160676		0.20	0.002	0.10	0.67	110	<0.2	<10	150	0.79	0.13	12.10	0.33	16.50	5.9	11
CC160677		0.25	0.001	0.08	0.50	140.0	<0.2	<10	270	1.25	0.26	7.98	0.13	12.05	9.9	9
CC160678		0.22	0.001	0.09	0.54	26.2	<0.2	<10	180	1.00	0.36	1.09	0.20	13.45	11.9	13
CC160679		0.39	0.003	0.66	1.22	36.9	<0.2	<10	380	1.06	0.26	2.11	1.32	16.10	8.9	26
CC160680		0.25	0.002	0.16	1.19	76.0	<0.2	<10	120	0.91	0.21	6.16	0.39	23.3	9.2	18
CC160681		0.15	0.002	0.10	1.06	85	<0.2	<10	110	0.73	0.12	11.85	1.50	17.75	5.5	13
CC160682		0.29	0.002	0.03	0.77	24.5	<0.2	<10	340	0.95	0.34	0.18	0.21	17.30	13.4	15
CC160683		0.19	0.002	0.15	1.27	98.8	<0.2	<10	150	0.84	0.24	5.39	0.24	29.7	10.8	20

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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 Total # Pages: 5 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160564		1.02	30.6	4.08	4.66	<0.05	0.04	0.57	0.039	0.07	8.6	16.3	0.36	647	0.92	0.01
CC160565		0.76	10.0	1.78	0.51	<0.05	0.05	0.81	0.010	0.03	7.7	1.6	9.27	925	0.22	0.02
CC160566		0.85	27.4	3.84	4.37	<0.05	0.04	0.44	0.037	0.05	7.8	14.8	0.32	525	0.95	0.01
CC160567		0.54	25.5	3.75	4.10	<0.05	0.04	1.24	0.035	0.08	6.9	12.4	0.34	762	0.79	0.01
CC160568		0.35	20.8	4.75	3.88	<0.05	0.04	0.44	0.038	0.08	8.4	13.6	0.30	1780	1.06	0.01
CC160569		0.62	26.4	3.88	4.21	<0.05	0.06	0.33	0.038	0.07	13.7	15.7	0.42	737	0.99	0.01
CC160570		0.60	27.9	3.42	3.19	<0.05	0.05	2.40	0.032	0.07	8.9	11.2	1.10	1040	0.76	0.01
CC160651		0.69	14.2	3.37	4.14	<0.05	0.06	0.26	0.027	0.08	8.6	11.7	1.00	1020	0.67	0.01
CC160652		0.94	27.7	3.51	3.49	<0.05	0.05	0.32	0.032	0.08	6.2	12.6	0.32	808	0.96	0.01
CC160653		0.79	32.7	3.75	4.07	<0.05	0.06	0.52	0.035	0.10	7.5	16.9	0.49	646	1.04	0.01
CC160654		0.81	32.0	4.11	4.09	<0.05	0.05	0.46	0.038	0.08	6.3	16.1	0.33	536	0.71	0.01
CC160655		8.18	18.4	1.56	1.41	<0.05	0.04	0.87	0.017	0.05	2.9	6.4	0.97	299	0.29	0.01
CC160656		1.69	19.3	2.11	2.46	<0.05	0.03	0.42	0.024	0.05	6.6	8.5	0.18	511	0.44	0.01
CC160657		0.53	25.5	4.41	4.37	0.05	0.07	0.34	0.039	0.12	11.2	13.0	0.37	2490	1.13	0.01
CC160658		0.36	12.9	3.13	3.64	<0.05	0.04	0.08	0.027	0.08	7.2	10.3	0.25	779	0.79	0.01
CC160659		0.61	18.3	3.55	4.31	<0.05	0.06	0.08	0.034	0.09	7.1	15.4	0.34	567	0.86	0.01
CC160660		0.76	22.0	4.13	4.47	0.13	0.04	6.36	0.030	0.04	10.0	3.1	5.25	3280	0.64	0.02
CC160661		0.62	16.4	4.08	5.04	0.06	0.06	0.17	0.030	0.10	15.4	14.9	0.40	1020	0.95	0.01
CC160662		0.84	22.1	5.22	4.31	0.05	0.10	0.47	0.035	0.11	15.7	13.1	2.46	2610	0.93	0.01
CC160663		0.51	15.6	3.46	3.83	0.05	0.07	0.36	0.034	0.05	13.2	13.9	0.40	477	0.81	0.01
CC160664		0.69	17.9	3.46	4.82	0.05	0.08	0.20	0.034	0.06	11.3	15.7	0.84	523	0.76	0.01
CC160665		0.60	16.1	2.54	3.12	<0.05	0.04	0.81	0.022	0.05	11.3	9.3	4.53	848	0.79	0.02
CC160666		1.17	32.8	3.77	4.04	0.05	0.06	1.28	0.036	0.12	7.2	15.9	1.02	829	1.47	0.01
CC160667		1.17	33.4	3.58	3.88	0.05	0.04	0.49	0.037	0.11	6.9	14.8	0.93	932	0.95	0.01
CC160668		0.62	25.4	3.45	4.62	<0.05	0.04	0.22	0.038	0.12	6.4	14.7	0.34	678	0.77	0.01
CC160669		0.89	32.8	4.33	4.15	0.05	0.07	0.47	0.046	0.08	7.9	15.0	0.38	884	0.78	0.01
CC160670		2.61	19.9	3.10	1.87	<0.05	<0.02	0.04	0.033	0.07	3.9	5.1	0.06	265	0.93	0.01
CC160671		0.69	12.2	5.69	3.19	0.07	0.07	0.59	0.031	0.06	15.3	7.6	1.85	2080	0.80	0.01
CC160672		0.86	15.9	4.17	4.80	0.05	0.08	0.40	0.039	0.09	13.0	11.8	0.40	1540	1.04	0.01
CC160673		0.95	23.6	7.01	4.06	0.08	0.11	1.45	0.042	0.09	16.4	9.3	0.34	2260	1.33	0.01
CC160674		0.61	12.2	2.66	2.55	<0.05	0.04	0.21	0.023	0.07	7.0	6.8	5.70	1150	0.55	0.02
CC160675		1.14	16.2	4.18	4.11	0.05	0.07	1.18	0.033	0.06	10.8	10.1	1.74	1430	0.79	0.02
CC160676		2.43	12.9	3.42	1.71	<0.05	0.05	0.50	0.016	0.06	7.5	3.9	6.84	2170	0.55	0.02
CC160677		7.41	21.2	3.21	1.69	<0.05	0.05	0.48	0.024	0.12	5.4	2.5	4.46	1260	0.46	0.02
CC160678		4.16	29.0	3.39	2.14	<0.05	0.04	0.20	0.031	0.13	6.0	6.4	0.34	400	0.72	0.01
CC160679		1.65	31.9	3.31	3.72	0.05	0.06	0.44	0.036	0.17	8.3	13.3	1.01	424	3.69	0.01
CC160680		0.84	18.4	3.81	3.30	0.05	0.06	0.63	0.027	0.08	12.0	9.7	3.92	1900	0.99	0.02
CC160681		0.63	11.3	3.74	2.49	<0.05	0.05	0.53	0.019	0.05	9.5	5.3	7.08	2730	0.66	0.02
CC160682		12.60	18.3	3.37	3.01	<0.05	<0.02	0.13	0.032	0.12	7.2	9.7	0.17	729	1.09	<0.01
CC160683		0.81	21.3	4.96	3.49	0.06	0.07	1.20	0.031	0.09	14.2	8.7	3.36	2710	1.00	0.02

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160564		0.48	24.8	190	26.9	11.8	<0.001	<0.01	0.48	5.9	1.0	0.6	12.9	<0.01	0.04	5.0
CC160565		<0.05	9.6	560	20.9	2.6	<0.001	0.02	1.83	2.9	1.1	<0.2	66.4	<0.01	0.07	1.8
CC160566		0.51	22.0	160	28.4	9.2	<0.001	<0.01	0.50	4.9	0.6	0.6	9.4	<0.01	0.03	4.3
CC160567		0.42	20.3	150	26.2	13.0	<0.001	<0.01	0.42	4.5	0.7	0.5	8.7	<0.01	0.04	3.8
CC160568		0.49	20.9	180	27.6	9.0	<0.001	<0.01	0.58	4.4	0.6	0.5	11.2	<0.01	0.03	4.2
CC160569		0.64	27.0	240	26.5	7.8	<0.001	<0.01	0.66	6.7	1.4	0.5	18.8	<0.01	0.03	5.9
CC160570		0.34	21.5	690	31.1	6.4	<0.001	0.04	1.20	3.9	1.1	0.4	29.3	<0.01	0.05	1.5
CC160651		0.34	16.4	290	24.3	9.5	<0.001	0.01	0.89	4.0	0.3	0.6	16.6	<0.01	0.04	3.0
CC160652		0.39	22.7	200	24.7	8.4	0.001	0.01	0.47	4.6	0.8	0.5	21.3	<0.01	0.05	3.5
CC160653		0.45	26.5	370	26.8	8.9	<0.001	0.01	0.53	5.1	0.8	0.5	25.8	<0.01	0.05	3.8
CC160654		0.35	24.2	140	26.7	9.2	<0.001	<0.01	0.49	5.1	0.3	0.6	12.5	<0.01	0.03	4.4
CC160655		0.19	11.7	340	13.5	6.6	<0.001	0.08	0.63	2.7	1.1	0.2	121.0	<0.01	0.03	1.5
CC160656		0.40	17.1	490	14.7	7.3	<0.001	0.07	0.38	2.1	0.7	0.3	107.5	<0.01	0.02	0.7
CC160657		0.58	25.4	180	32.0	10.3	<0.001	<0.01	0.74	6.3	1.0	0.5	10.9	<0.01	0.04	5.2
CC160658		0.49	17.0	130	29.4	5.7	0.001	<0.01	0.45	3.2	0.2	0.5	9.6	<0.01	0.06	3.6
CC160659		0.58	19.8	180	26.2	12.5	<0.001	<0.01	0.54	4.0	0.4	0.5	10.1	<0.01	0.04	3.5
CC160660		0.39	11.3	1120	158.0	8.4	0.001	0.38	2.15	2.0	0.8	0.5	53.5	<0.01	0.06	0.8
CC160661		0.72	23.7	190	26.8	11.1	0.001	<0.01	0.87	5.7	1.1	0.6	13.5	<0.01	0.03	4.8
CC160662		0.48	26.3	540	26.2	12.6	0.001	0.03	0.84	7.5	1.7	0.6	23.0	<0.01	0.03	4.2
CC160663		0.51	19.7	250	21.5	6.7	<0.001	0.01	0.69	6.2	1.2	0.5	13.3	<0.01	0.03	4.1
CC160664		0.83	23.0	230	21.6	8.6	<0.001	<0.01	0.62	6.0	1.6	0.6	14.9	<0.01	0.09	4.4
CC160665		0.66	20.0	450	18.7	5.6	<0.001	0.03	1.73	3.4	0.8	0.4	31.0	<0.01	0.04	2.4
CC160666		0.46	31.9	460	30.2	9.8	0.001	0.02	0.70	5.1	0.8	0.6	27.1	<0.01	0.03	4.3
CC160667		0.43	28.6	420	27.5	9.3	<0.001	0.04	0.72	4.5	0.8	0.6	29.1	<0.01	0.03	2.7
CC160668		0.52	22.3	330	23.7	10.7	0.001	0.03	0.49	4.5	0.8	0.6	30.7	<0.01	0.04	2.7
CC160669		0.61	27.5	200	30.4	8.0	0.001	0.02	0.71	6.0	0.9	0.6	14.9	<0.01	0.04	4.2
CC160670		0.22	27.4	280	19.8	10.5	<0.001	0.01	0.36	2.2	0.5	0.4	20.0	<0.01	0.04	2.0
CC160671		0.33	17.8	1010	50.9	7.9	<0.001	0.06	1.72	4.3	1.0	0.4	24.8	<0.01	0.04	1.8
CC160672		0.60	24.0	390	33.3	10.7	<0.001	0.02	1.03	5.3	1.0	0.6	10.1	<0.01	0.03	3.5
CC160673		0.32	26.2	890	44.5	14.2	<0.001	0.05	1.95	6.6	1.3	0.5	11.5	<0.01	0.06	3.2
CC160674		0.24	13.2	920	15.4	9.2	0.001	0.05	0.67	2.0	0.8	0.3	32.1	<0.01	0.03	0.7
CC160675		0.48	23.3	830	44.7	6.1	0.001	0.04	2.46	3.3	0.9	0.5	32.0	<0.01	0.04	1.5
CC160676		0.17	15.0	860	23.3	5.8	<0.001	0.05	1.94	1.9	0.8	0.3	82.8	<0.01	0.06	0.8
CC160677		0.08	18.8	710	19.8	10.9	0.001	0.05	1.11	2.5	0.6	0.4	82.2	<0.01	0.03	1.0
CC160678		0.21	24.0	400	19.8	14.0	0.001	0.05	0.55	3.4	0.8	0.4	28.3	<0.01	0.03	2.6
CC160679		0.31	39.0	1080	17.1	13.1	0.001	0.05	1.46	4.6	2.1	0.5	32.9	<0.01	0.06	2.1
CC160680		0.40	20.8	630	37.2	10.1	0.001	0.04	1.70	4.1	0.9	0.4	28.6	<0.01	0.03	2.0
CC160681		0.24	14.5	960	74.2	6.8	<0.001	0.06	2.85	1.9	0.9	0.3	48.9	<0.01	0.06	0.6
CC160682		0.63	20.3	300	15.4	19.7	<0.001	0.01	0.82	4.2	0.3	0.5	12.0	<0.01	0.06	2.3
CC160683		0.44	25.2	520	32.2	6.5	0.001	0.03	3.04	5.6	1.3	0.5	23.5	<0.01	0.08	3.6

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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To: STRATEGIC METALS LTD.  
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 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
CC160564		0.007	0.22	0.74	33	0.11	8.19	93	1.3	
CC160565		<0.005	0.94	0.70	6	0.07	6.35	14	1.2	
CC160566		0.009	0.17	0.75	31	0.10	7.76	97	1.4	
CC160567		0.006	0.15	0.81	29	0.10	5.69	90	1.6	
CC160568		0.007	0.14	0.78	30	0.09	6.58	94	1.5	
CC160569		0.013	0.14	1.13	36	0.16	14.60	92	2.1	
CC160570		0.006	0.23	1.40	24	0.11	12.80	100	1.2	
CC160651		<0.005	0.28	0.76	25	0.10	8.03	117	1.7	
CC160652		0.005	0.16	0.96	25	0.06	6.68	99	1.7	
CC160653		0.007	0.16	0.78	29	0.08	7.88	105	1.9	
CC160654		0.005	0.17	0.75	25	0.06	7.29	82	1.6	
CC160655		<0.005	1.88	1.41	9	0.07	5.76	1300	1.5	
CC160656		0.008	0.32	2.76	18	0.07	6.93	170	1.1	
CC160657		0.012	0.21	0.78	36	0.14	11.75	126	2.1	
CC160658		0.009	0.13	0.55	27	0.09	4.06	299	1.4	
CC160659		0.010	0.17	0.77	32	0.10	5.01	135	1.6	
CC160660		0.015	0.21	2.22	23	0.10	9.23	>10000	1.0	2.43
CC160661		0.013	0.18	1.22	37	0.15	12.95	199	2.2	
CC160662		0.005	0.25	1.49	32	0.14	22.5	113	2.9	
CC160663		0.008	0.12	1.52	30	0.10	16.65	70	2.2	
CC160664		0.015	0.12	1.39	38	0.16	10.90	80	2.3	
CC160665		0.015	0.20	1.03	32	0.20	11.30	50	1.2	
CC160666		0.005	0.19	0.75	31	0.06	9.39	123	2.1	
CC160667		0.007	0.22	1.38	26	0.08	9.84	115	1.4	
CC160668		0.005	0.15	1.93	29	0.08	7.24	138	1.4	
CC160669		0.009	0.15	1.24	29	0.11	9.78	106	2.0	
CC160670		<0.005	0.09	0.45	15	0.05	3.60	87	<0.5	
CC160671		0.008	0.25	1.90	36	0.11	20.4	84	1.6	
CC160672		0.012	0.19	1.57	44	0.12	13.00	128	2.1	
CC160673		<0.005	0.37	2.23	38	0.14	21.1	139	3.1	
CC160674		0.005	0.15	1.23	22	0.07	10.20	141	1.1	
CC160675		0.012	0.35	1.59	39	0.19	13.00	118	1.4	
CC160676		0.007	0.20	1.17	17	0.13	11.60	87	1.4	
CC160677		<0.005	0.22	1.10	13	0.06	8.71	62	1.3	
CC160678		<0.005	0.13	0.94	20	<0.05	6.84	109	1.5	
CC160679		0.005	0.16	2.09	85	0.08	15.25	237	1.8	
CC160680		0.008	0.24	1.18	30	0.10	16.35	144	1.6	
CC160681		0.009	0.24	1.47	23	0.08	13.20	380	1.2	
CC160682		0.015	0.13	0.60	27	0.09	4.95	66	<0.5	
CC160683		0.008	0.27	1.33	33	0.12	16.80	90	2.0	

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160684		0.18	0.001	0.03	1.52	36.2	<0.2	<10	170	1.16	0.31	0.08	0.18	22.8	13.0	25
CC160685		0.20	0.001	0.03	1.70	64.4	<0.2	<10	320	1.03	0.27	0.31	0.28	24.7	10.3	28
CC160686		0.26	0.001	0.09	0.44	366	<0.2	<10	120	0.43	0.09	15.45	0.30	10.65	4.8	8
CC160687		0.19	0.001	0.20	1.82	178.0	<0.2	<10	280	0.97	0.22	4.08	0.31	23.2	7.7	24
CC160688		0.16	0.003	0.16	1.32	410	<0.2	<10	310	0.69	0.14	9.47	1.87	44.6	7.0	15
CC160689		0.37	0.002	0.16	1.42	39.1	<0.2	<10	290	1.01	0.30	0.87	0.36	22.9	12.9	24
CC160690		0.18	0.003	0.15	1.24	169.0	<0.2	<10	260	0.80	0.23	2.72	0.51	19.15	9.6	20
CC160691		0.29	0.004	0.17	1.11	260	<0.2	<10	220	0.76	0.22	1.69	0.73	20.1	10.0	19
CC160692		0.20	0.002	0.15	1.12	184.5	<0.2	<10	230	0.76	0.24	1.40	0.87	17.60	10.1	19
CC160693		0.32	0.002	0.15	1.20	37.9	<0.2	<10	260	0.92	0.30	0.96	0.31	18.40	12.2	21
CC160694		0.35	0.002	0.14	1.28	31.9	<0.2	<10	290	1.00	0.33	1.37	0.45	17.70	14.6	22
CC160695		0.38	0.002	0.15	1.25	73.4	<0.2	<10	290	1.04	0.33	0.96	0.72	20.0	15.6	22
CC160696		0.24	0.002	0.12	1.31	24.1	<0.2	<10	350	0.91	0.26	1.21	0.71	14.15	10.9	20
CC160697		0.28	0.002	0.07	1.39	27.3	<0.2	<10	280	1.14	0.32	0.50	0.33	17.40	13.0	23
CC160698		0.30	0.003	0.12	1.45	36.5	<0.2	<10	200	1.12	0.33	1.30	0.18	18.80	12.1	25
CC160699		0.22	0.003	0.13	1.23	53.1	<0.2	<10	140	0.84	0.16	9.87	0.59	13.50	5.3	17
CC160700		0.18	0.003	0.10	1.62	27.0	<0.2	<10	120	0.84	0.22	5.39	0.73	17.60	6.2	23

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160684		36.5	20.3	4.03	4.78	0.05	0.02	0.20	0.046	0.11	9.5	22.0	0.31	966	1.34	0.01
CC160685		8.68	15.9	4.19	5.04	<0.05	0.04	0.34	0.037	0.08	9.8	15.6	0.40	853	1.11	0.01
CC160686		0.58	7.5	1.84	1.11	<0.05	0.04	1.32	0.011	0.04	5.7	3.5	9.10	1360	0.56	0.02
CC160687		1.12	12.6	3.64	5.11	0.06	0.05	0.66	0.032	0.05	13.3	11.7	2.38	2520	0.86	0.02
CC160688		0.93	15.4	7.70	3.45	0.10	0.06	0.46	0.025	0.05	23.5	5.4	5.06	7200	0.77	0.02
CC160689		0.79	33.6	4.05	4.40	0.05	0.04	2.17	0.037	0.08	10.9	15.4	0.63	858	1.30	0.01
CC160690		0.74	26.8	3.46	3.59	0.05	0.04	0.82	0.031	0.07	9.3	12.2	1.17	1010	0.96	0.01
CC160691		0.78	22.4	3.32	3.44	0.05	0.05	1.27	0.029	0.06	8.7	11.2	0.67	971	0.97	0.01
CC160692		0.77	22.7	3.20	3.24	<0.05	0.05	0.97	0.030	0.07	7.7	10.9	0.36	987	0.94	0.01
CC160693		0.89	35.7	4.21	3.71	0.05	0.05	0.90	0.035	0.09	9.1	14.1	0.64	795	1.35	0.01
CC160694		1.00	39.7	4.13	3.98	0.05	0.04	0.64	0.039	0.10	7.3	15.4	0.75	966	1.21	0.01
CC160695		1.50	43.8	4.34	4.05	0.05	0.06	0.70	0.041	0.12	7.9	16.5	0.69	664	1.45	0.01
CC160696		0.62	23.3	3.31	3.74	<0.05	0.05	0.44	0.033	0.10	6.2	12.7	0.32	640	1.41	0.01
CC160697		0.86	32.1	4.05	4.29	<0.05	0.06	0.29	0.041	0.10	7.1	18.9	0.36	526	1.87	0.01
CC160698		0.84	32.2	4.22	4.47	0.05	0.07	0.72	0.041	0.08	9.5	15.4	0.90	873	0.92	0.01
CC160699		0.65	9.3	4.36	3.25	0.05	0.05	3.24	0.023	0.04	9.5	7.7	5.89	1540	0.64	0.02
CC160700		0.73	12.7	3.18	4.40	0.06	0.05	0.22	0.030	0.05	12.2	12.2	3.47	736	0.70	0.02

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC160684		0.94	25.6	390	19.2	28.5	<0.001	0.02	0.75	4.2	0.7	0.6	10.0	<0.01	0.05	3.3
CC160685		0.72	22.3	250	27.5	20.4	0.001	0.01	0.99	5.0	0.6	0.6	13.9	<0.01	0.05	4.4
CC160686		0.13	10.9	1200	18.3	4.7	<0.001	0.03	3.03	1.8	0.7	0.2	79.2	<0.01	0.03	0.8
CC160687		0.67	19.1	700	19.7	10.5	0.001	0.04	1.24	4.0	1.0	0.6	19.2	<0.01	0.04	1.6
CC160688		0.26	16.1	1870	26.2	9.3	<0.001	0.08	2.58	2.3	1.6	0.4	30.6	0.01	0.05	0.7
CC160689		0.59	32.4	420	27.0	8.4	<0.001	0.02	0.82	5.2	1.1	0.5	17.4	<0.01	0.05	3.3
CC160690		0.50	21.6	710	24.2	8.6	<0.001	0.06	1.61	3.4	1.0	0.4	20.6	<0.01	0.03	1.4
CC160691		0.47	23.4	770	26.3	9.1	<0.001	0.05	2.10	3.2	1.0	0.4	20.1	<0.01	0.05	1.3
CC160692		0.45	23.0	740	26.1	9.0	0.001	0.07	1.64	2.9	1.2	0.4	24.4	<0.01	0.04	1.2
CC160693		0.49	31.1	570	34.6	8.2	0.001	0.02	0.85	5.4	1.0	0.5	20.4	<0.01	0.04	3.8
CC160694		0.47	32.0	590	33.4	8.9	<0.001	0.03	0.76	5.1	1.0	0.5	28.1	<0.01	0.05	3.1
CC160695		0.41	36.8	680	33.0	9.5	0.001	0.03	0.90	5.9	1.0	0.6	22.4	<0.01	0.04	4.6
CC160696		0.49	24.4	580	21.5	10.7	0.001	0.05	0.62	3.6	1.2	0.5	32.2	<0.01	0.03	1.7
CC160697		0.50	34.6	320	24.1	9.7	0.001	0.02	0.64	5.1	1.1	0.5	21.7	<0.01	0.05	3.6
CC160698		0.58	29.4	440	34.6	8.9	0.001	0.02	0.69	5.8	1.0	0.6	19.6	<0.01	0.04	4.6
CC160699		0.41	13.6	650	39.8	5.6	<0.001	0.04	1.13	3.0	0.6	0.4	43.3	<0.01	0.02	1.4
CC160700		0.60	16.5	660	25.0	6.9	0.001	0.04	0.68	3.5	1.0	0.5	24.4	<0.01	0.02	1.7

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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 Plus Appendix Pages  
 Finalized Date: 9- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
CC160684		0.015	0.18	0.83	42	0.16	4.75	82	0.5	
CC160685		0.011	0.24	1.14	49	0.15	6.10	139	1.2	
CC160686		<0.005	0.24	1.67	12	0.06	7.32	150	0.8	
CC160687		0.015	0.22	2.07	44	0.15	12.80	127	1.3	
CC160688		0.010	0.20	1.73	29	0.17	31.7	220	1.5	
CC160689		0.010	0.17	1.00	39	0.13	13.30	144	1.2	
CC160690		0.008	0.26	1.41	32	0.11	13.60	153	1.1	
CC160691		0.008	0.28	1.82	32	0.17	10.95	279	1.2	
CC160692		0.007	0.34	2.09	31	0.10	10.40	257	1.2	
CC160693		0.008	0.24	0.97	34	0.07	13.75	144	1.5	
CC160694		0.007	0.24	1.08	33	0.07	11.10	151	1.3	
CC160695		0.007	0.32	0.89	34	0.05	11.45	244	2.0	
CC160696		<0.005	0.12	1.32	34	0.07	8.33	120	1.3	
CC160697		<0.005	0.15	0.96	39	0.06	9.32	114	1.8	
CC160698		0.009	0.19	0.89	35	0.10	13.55	131	2.1	
CC160699		0.009	0.25	1.12	27	0.12	10.05	553	1.2	
CC160700		0.013	0.17	1.37	36	0.13	13.00	317	1.2	

Comments: \*\*\*Corrected copy with sample ID prefix CC16055 corrected to CC1605 for samples #8- 21\*\*\*

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



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144360**

**CERTIFICATE COMMENTS**

Applies to Method:



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To: **STRATEGIC METALS LTD.**  
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**Finalized Date: 6- JUL- 2012**  
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**Account: MTT**

**CERTIFICATE WH12144361**

Project: Crag East 3  
 P.O. No.:  
 This report is for 158 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

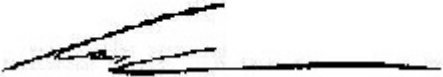
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD000111		0.19	0.001	0.02	1.70	42.6	<0.2	<10	180	1.24	0.36	0.14	0.14	14.15	10.3	26
DD000112		0.16	0.002	0.10	0.72	25	<0.2	10	120	0.53	0.10	15.25	0.22	18.45	3.8	9
DD000113		0.23	<0.001	0.04	1.51	22.7	<0.2	<10	200	0.96	0.31	0.15	0.19	17.65	9.7	23
DD000114		0.14	0.013	0.13	1.27	83.3	<0.2	<10	180	0.72	0.22	1.64	1.97	13.45	7.3	19
DD000115		0.16	0.001	0.14	0.91	12.8	<0.2	<10	110	0.79	0.25	1.85	0.24	31.0	9.9	17
DD000116		0.19	0.003	0.20	1.47	16.3	<0.2	<10	340	1.04	0.25	2.94	0.30	15.80	8.2	19
DD000117		0.14	0.001	0.13	0.61	98.2	<0.2	<10	70	0.69	0.20	4.09	0.20	21.4	7.0	10
DD000118		0.11	0.001	0.09	0.32	20.4	<0.2	10	120	1.16	0.38	1.52	0.07	11.65	10.8	5
DD000119		0.20	<0.001	0.11	0.35	22.9	<0.2	<10	140	0.95	0.32	1.62	0.09	11.50	9.1	4
DD000175		0.13	0.005	0.15	1.42	19.9	<0.2	<10	260	0.64	0.27	0.87	0.32	19.90	10.6	24
DD000176		0.21	<0.001	0.03	1.68	16.9	<0.2	<10	200	0.51	0.25	0.24	0.28	16.75	6.5	22
DD000177		0.14	0.001	0.08	1.47	25.6	<0.2	<10	220	0.47	0.33	0.20	0.35	15.70	10.1	22
DD000178		0.19	0.004	0.03	1.69	30.5	<0.2	<10	170	0.54	0.29	0.12	1.16	15.50	9.7	24
DD000179		0.19	0.002	0.10	1.04	63.2	<0.2	<10	300	0.73	0.24	1.73	0.73	15.05	10.5	16
DD000180		0.15	0.007	0.07	1.33	27.3	<0.2	<10	220	0.93	0.31	0.66	0.35	16.65	12.0	22
DD000181		0.13	<0.001	0.07	1.37	21.9	<0.2	<10	250	0.81	0.30	0.36	0.31	16.05	8.7	20
DD000182		0.10	0.001	0.09	1.12	36.3	<0.2	<10	200	0.78	0.27	0.93	0.45	11.75	9.4	18
DD000183		0.13	0.008	0.09	0.93	65.4	<0.2	<10	210	0.76	0.27	1.58	0.43	11.80	11.4	15
DD000184		0.17	0.001	0.07	1.21	25.8	<0.2	<10	190	0.57	0.27	0.76	0.60	14.25	10.0	19
DD000185		0.16	0.003	0.16	1.54	22.2	<0.2	<10	270	0.99	0.30	0.79	0.38	22.2	11.2	24
DD000186		0.12	<0.001	0.02	0.79	44.9	<0.2	<10	120	0.51	0.27	0.30	0.17	11.35	10.5	15
CC160736		0.21	0.001	0.10	1.08	41.9	<0.2	<10	240	1.10	0.36	0.82	0.20	13.55	13.7	19
CC160737		0.18	0.002	0.13	0.72	22.2	<0.2	<10	160	0.56	0.19	1.61	0.74	17.50	7.8	12
CC160738		0.14	0.005	0.10	0.64	29.4	<0.2	<10	140	0.47	0.15	6.34	0.54	13.00	6.4	10
CC160739		0.12	0.001	0.16	1.22	26.7	<0.2	<10	290	0.84	0.29	0.99	0.21	15.95	9.7	18
ZZ16227		0.25	0.001	0.20	1.27	87.1	<0.2	<10	220	1.15	0.32	0.60	0.13	18.75	10.7	20
ZZ16228		0.17	0.001	0.13	0.93	40.8	<0.2	<10	200	0.88	0.25	0.77	0.38	19.40	9.5	14
ZZ16229		0.13	0.002	0.18	1.09	34.5	<0.2	<10	230	0.89	0.25	2.00	0.38	15.70	11.7	18
ZZ16230		0.13	0.001	0.23	1.23	23.5	<0.2	<10	210	0.77	0.24	2.31	0.45	22.1	9.7	20
ZZ16231		0.11	<0.001	0.13	1.31	66.8	<0.2	<10	160	0.90	0.26	0.87	0.37	18.55	8.9	19
ZZ16232		0.09	0.001	0.13	1.65	67.4	<0.2	<10	160	0.89	0.23	3.17	0.33	24.2	9.0	23
ZZ16233		0.10	0.001	0.09	1.51	28.6	<0.2	<10	120	0.69	0.18	6.58	0.90	19.35	7.9	19
ZZ16234		0.07	0.001	0.11	1.02	25.5	<0.2	<10	150	0.53	0.15	6.84	0.69	13.15	5.6	13
ZZ16235		0.13	0.001	0.14	0.56	78.5	<0.2	<10	110	0.51	0.17	6.27	0.52	14.25	6.2	10
ZZ16236		0.11	0.001	0.14	0.77	68.1	<0.2	<10	150	0.52	0.20	5.62	0.71	20.1	7.6	12
ZZ16237		0.16	0.001	0.24	0.85	31.4	<0.2	<10	230	0.71	0.23	2.18	1.07	11.90	10.9	16
ZZ16238		0.11	0.008	0.27	1.04	29.1	<0.2	<10	310	0.85	0.26	1.21	1.64	11.80	11.2	18
ZZ16239		0.10	0.007	0.21	1.06	28.4	<0.2	<10	450	0.81	0.23	2.53	1.21	10.10	8.0	15
ZZ16240		0.15	0.001	0.12	1.35	31.5	<0.2	<10	240	1.15	0.28	1.24	0.75	15.85	9.9	20
ZZ16241		0.09	<0.001	0.06	1.43	71.9	<0.2	<10	250	1.01	0.18	7.15	0.62	16.05	7.8	15



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 Finalized Date: 6- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD000111		1.09	28.1	4.25	4.95	<0.05	0.04	0.81	0.043	0.08	5.7	15.2	0.34	489	0.85	0.01
DD000112		0.71	10.1	1.99	1.84	0.05	0.06	0.45	0.011	0.04	11.2	4.0	8.90	1860	0.35	0.03
DD000113		0.86	24.1	3.80	4.30	<0.05	0.05	2.54	0.040	0.06	7.2	17.9	0.36	542	1.03	0.01
DD000114		0.81	17.7	8.81	3.91	0.05	0.05	0.96	0.032	0.06	6.5	8.2	0.48	741	1.06	0.01
DD000115		1.07	15.6	2.84	2.69	<0.05	0.08	0.28	0.037	0.08	11.2	9.1	0.35	477	0.54	0.01
DD000116		2.57	36.1	2.48	3.71	<0.05	0.03	0.33	0.036	0.06	8.4	9.6	0.26	828	0.51	0.01
DD000117		3.19	11.2	2.84	1.44	<0.05	0.06	1.06	0.025	0.07	8.6	3.7	1.81	1380	0.40	0.01
DD000118		4.40	19.5	3.44	0.76	<0.05	0.04	0.56	0.040	0.06	4.6	1.8	0.09	364	0.42	0.01
DD000119		2.82	16.5	2.88	0.80	<0.05	0.04	0.50	0.035	0.05	4.3	1.7	0.07	458	0.43	0.01
DD000175		0.65	15.5	3.07	4.09	<0.05	0.03	0.18	0.032	0.05	8.3	15.0	0.44	670	0.85	0.01
DD000176		0.92	9.3	2.95	5.09	<0.05	0.04	0.08	0.032	0.04	8.1	16.0	0.37	274	0.70	0.01
DD000177		0.77	12.1	3.52	5.49	<0.05	0.04	0.21	0.035	0.08	7.1	16.0	0.28	759	0.98	0.01
DD000178		1.11	12.6	4.00	5.06	<0.05	0.05	0.44	0.042	0.04	6.2	16.6	0.32	740	0.97	0.01
DD000179		0.62	18.9	3.03	2.89	<0.05	0.05	0.82	0.032	0.08	6.1	12.3	0.55	865	0.93	0.01
DD000180		0.76	23.0	3.51	4.23	<0.05	0.06	0.27	0.037	0.12	6.0	17.2	0.34	708	1.06	0.01
DD000181		0.72	15.0	3.10	4.41	<0.05	0.04	0.10	0.034	0.08	6.8	14.3	0.29	531	0.94	0.01
DD000182		0.71	22.5	2.90	3.96	<0.05	0.05	0.17	0.032	0.07	5.4	12.5	0.32	527	0.76	0.02
DD000183		0.58	31.8	2.97	3.19	<0.05	0.04	0.63	0.031	0.06	5.0	9.7	0.34	868	0.88	0.02
DD000184		0.71	18.3	2.74	4.20	<0.05	0.04	0.08	0.033	0.07	6.0	12.6	0.30	796	0.71	0.02
DD000185		0.70	21.9	3.01	4.92	<0.05	0.04	0.08	0.028	0.07	9.3	14.2	0.42	872	0.65	0.02
DD000186		0.45	17.7	3.05	2.89	<0.05	0.05	0.18	0.030	0.05	4.4	7.9	0.19	570	0.60	0.01
CC160736		0.87	39.5	3.67	3.84	<0.05	0.05	0.47	0.036	0.08	5.9	13.9	0.39	716	0.95	0.02
CC160737		1.98	17.7	2.67	2.38	<0.05	0.04	0.40	0.027	0.05	6.8	6.7	0.20	467	0.54	0.01
CC160738		1.26	13.6	2.28	1.98	<0.05	0.04	0.33	0.018	0.04	5.3	6.3	2.93	1080	1.18	0.02
CC160739		1.84	27.2	2.76	4.43	<0.05	0.02	0.21	0.030	0.06	7.5	11.8	0.24	370	0.76	0.02
ZZ16227		1.08	23.2	3.63	3.99	0.05	0.08	0.41	0.038	0.08	13.3	12.4	0.22	605	1.36	0.02
ZZ16228		1.60	18.7	2.71	2.85	<0.05	0.05	0.44	0.031	0.06	7.9	9.4	0.21	610	0.70	0.02
ZZ16229		0.85	27.6	3.05	3.49	<0.05	0.05	0.53	0.029	0.07	7.3	12.9	0.79	916	1.60	0.02
ZZ16230		0.89	23.1	2.85	3.65	<0.05	0.04	0.32	0.026	0.07	9.8	14.4	1.10	806	0.82	0.02
ZZ16231		3.35	15.4	3.19	3.86	<0.05	0.07	0.21	0.032	0.07	8.1	11.7	0.38	724	0.88	0.02
ZZ16232		0.73	11.4	4.01	4.29	<0.05	0.07	0.32	0.027	0.05	13.2	11.8	1.88	1700	0.82	0.02
ZZ16233		0.63	10.7	4.40	3.89	<0.05	0.05	0.17	0.021	0.04	9.1	9.6	4.07	3170	0.72	0.02
ZZ16234		0.86	10.7	3.31	2.77	<0.05	0.04	0.25	0.017	0.05	6.6	7.1	3.90	2250	0.52	0.02
ZZ16235		1.46	14.6	2.63	1.53	<0.05	0.07	1.12	0.021	0.05	6.6	3.5	3.06	1020	0.54	0.02
ZZ16236		0.82	13.7	3.25	2.10	<0.05	0.08	0.78	0.023	0.05	8.6	5.3	2.85	1440	0.64	0.02
ZZ16237		5.81	25.2	2.71	2.90	<0.05	0.07	0.61	0.026	0.10	5.8	12.6	0.98	620	2.18	0.02
ZZ16238		0.88	30.4	2.80	3.44	<0.05	0.04	0.39	0.031	0.10	6.2	12.8	0.27	511	2.55	0.02
ZZ16239		0.68	25.3	2.50	3.03	<0.05	0.06	0.55	0.027	0.07	5.6	11.4	0.36	448	1.30	0.02
ZZ16240		0.63	24.8	3.31	4.51	<0.05	0.06	0.21	0.031	0.08	8.5	13.2	0.33	709	1.00	0.02
ZZ16241		0.66	12.6	3.59	3.38	<0.05	0.04	0.10	0.024	0.08	7.4	10.6	4.19	2360	0.81	0.03

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



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD000111		0.45	23.3	160	25.9	12.5	<0.001	<0.01	0.71	5.0	0.2	0.7	7.7	<0.01	<0.01	4.2
DD000112		0.15	7.9	1220	18.8	6.0	<0.001	0.03	2.11	1.9	0.2	0.2	40.5	<0.01	0.02	0.9
DD000113		0.58	22.6	170	24.8	10.9	<0.001	<0.01	0.45	4.2	0.3	0.5	9.0	<0.01	<0.01	4.4
DD000114		0.60	14.8	630	105.5	8.4	<0.001	0.04	2.10	3.6	0.5	0.5	16.3	<0.01	0.01	1.8
DD000115		0.48	19.8	270	22.3	7.0	<0.001	0.01	0.32	4.6	0.4	0.4	79.6	<0.01	0.01	4.8
DD000116		0.54	24.9	640	18.2	9.3	<0.001	0.05	0.69	2.8	0.9	0.5	110.5	<0.01	<0.01	0.7
DD000117		0.18	17.1	510	59.8	5.8	<0.001	0.02	2.15	3.4	0.3	0.3	22.7	<0.01	<0.01	2.5
DD000118		0.08	29.6	330	27.4	4.8	0.001	0.02	0.42	5.5	0.5	0.4	86.5	<0.01	<0.01	2.7
DD000119		0.09	23.6	370	23.9	5.9	0.001	0.04	0.40	3.5	0.5	0.4	87.6	<0.01	<0.01	1.4
DD000175		0.81	20.7	420	19.1	7.2	<0.001	0.02	0.52	3.2	0.4	0.5	19.5	<0.01	0.01	1.8
DD000176		0.94	13.8	140	15.8	8.0	<0.001	<0.01	0.30	2.8	<0.2	0.6	8.9	<0.01	<0.01	3.2
DD000177		0.87	13.5	210	24.8	14.3	<0.001	<0.01	0.33	2.8	<0.2	0.7	9.5	<0.01	0.02	3.2
DD000178		0.79	16.4	180	24.2	11.2	<0.001	<0.01	0.49	3.3	<0.2	0.7	5.6	<0.01	0.01	3.1
DD000179		0.44	21.0	590	25.0	7.9	0.001	0.05	0.78	3.1	0.8	0.4	29.9	<0.01	<0.01	1.4
DD000180		0.70	22.5	210	26.8	13.1	<0.001	0.01	0.58	4.4	<0.2	0.6	20.6	<0.01	0.01	3.2
DD000181		0.67	17.0	170	21.1	12.3	<0.001	<0.01	0.40	3.1	<0.2	0.6	13.7	<0.01	<0.01	2.8
DD000182		0.52	20.0	280	18.7	10.2	<0.001	0.03	0.52	3.5	0.6	0.5	17.5	<0.01	0.02	1.9
DD000183		0.35	19.4	370	26.5	7.3	<0.001	0.05	0.71	3.3	0.4	0.4	27.7	<0.01	0.02	1.1
DD000184		0.68	17.9	220	19.5	10.0	<0.001	0.02	0.47	3.2	0.5	0.5	24.5	<0.01	0.04	2.7
DD000185		0.85	22.0	260	18.9	7.9	<0.001	0.02	0.49	4.7	0.9	0.6	23.1	<0.01	0.02	3.4
DD000186		0.39	15.7	110	20.7	5.6	<0.001	0.01	0.49	3.2	0.3	0.4	11.7	<0.01	0.02	3.4
CC160736		0.42	27.8	340	27.4	7.1	0.001	0.03	0.65	5.2	1.1	0.5	22.5	<0.01	0.01	3.1
CC160737		0.34	18.6	460	24.5	6.7	<0.001	0.06	1.12	2.9	1.1	0.3	47.9	<0.01	0.01	1.2
CC160738		0.31	15.3	510	22.1	5.5	0.001	0.07	1.12	2.0	0.5	0.3	67.1	<0.01	0.01	0.8
CC160739		0.56	20.9	310	19.6	9.3	<0.001	0.03	0.42	3.7	0.8	0.6	53.2	<0.01	0.02	1.8
ZZ16227		0.42	30.1	340	25.1	8.9	0.001	0.02	0.93	6.3	1.4	0.5	50.3	<0.01	0.04	3.5
ZZ16228		0.38	22.2	520	20.6	9.4	0.001	0.05	0.64	3.5	1.0	0.4	39.2	<0.01	0.01	1.8
ZZ16229		0.35	30.2	500	23.5	7.1	<0.001	0.06	1.07	3.3	1.3	0.5	45.2	<0.01	0.02	1.2
ZZ16230		0.56	25.4	700	17.9	9.2	<0.001	0.05	0.76	3.0	0.9	0.4	53.3	<0.01	0.02	1.2
ZZ16231		0.46	21.3	330	28.6	7.8	<0.001	0.03	1.12	4.4	1.0	0.5	28.0	<0.01	0.02	3.0
ZZ16232		0.59	20.9	820	20.6	7.4	<0.001	0.07	1.01	4.0	1.0	0.5	21.4	<0.01	0.02	1.7
ZZ16233		0.46	16.6	1010	14.1	7.2	<0.001	0.06	0.79	2.4	0.5	0.4	21.7	<0.01	0.02	1.1
ZZ16234		0.28	12.6	1000	15.8	6.0	<0.001	0.07	0.75	1.5	1.1	0.3	23.3	<0.01	0.02	0.6
ZZ16235		0.17	17.3	1050	46.9	3.3	<0.001	0.08	3.16	2.0	0.7	0.3	34.3	<0.01	0.02	1.0
ZZ16236		0.23	18.7	990	44.9	3.7	<0.001	0.06	2.47	3.2	0.8	0.3	31.7	<0.01	0.01	1.5
ZZ16237		0.33	30.0	650	20.2	26.1	0.001	0.07	1.32	3.3	2.1	0.4	38.6	<0.01	0.03	1.6
ZZ16238		0.34	34.5	540	19.2	8.5	<0.001	0.05	1.27	3.8	1.7	0.5	33.1	<0.01	0.06	1.5
ZZ16239		0.35	24.5	710	17.9	5.5	0.002	0.10	0.99	2.7	1.9	0.4	52.4	<0.01	0.03	0.9
ZZ16240		0.47	24.1	570	24.1	10.6	<0.001	0.05	0.92	3.9	1.0	0.5	29.2	<0.01	0.01	1.4
ZZ16241		0.31	17.8	870	21.6	12.0	<0.001	0.07	1.41	2.2	0.6	0.4	35.5	<0.01	0.04	0.9

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



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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD000111		0.005	0.19	0.86	34	0.10	5.08	125	1.3
DD000112		0.005	1.13	2.36	14	0.12	13.45	79	1.3
DD000113		0.009	0.18	0.74	33	0.08	5.69	128	1.5
DD000114		0.009	0.94	2.61	27	0.25	7.85	2270	1.2
DD000115		0.007	0.24	1.87	20	0.06	10.00	116	2.4
DD000116		0.008	0.12	2.46	26	0.09	12.50	77	1.1
DD000117		<0.005	0.48	0.68	11	0.05	8.98	127	1.5
DD000118		<0.005	0.27	0.53	6	<0.05	8.83	93	1.4
DD000119		<0.005	0.23	0.56	6	<0.05	9.79	82	1.0
DD000175		0.017	0.10	1.14	38	0.12	6.05	97	0.8
DD000176		0.013	0.16	0.55	45	0.12	2.52	106	1.3
DD000177		0.010	0.14	0.65	45	0.11	2.71	101	1.0
DD000178		0.008	0.50	0.67	41	0.10	2.73	599	1.6
DD000179		0.006	0.19	1.09	28	<0.05	7.84	226	1.1
DD000180		0.007	0.17	0.83	31	0.06	5.64	202	1.8
DD000181		0.008	0.14	0.53	34	0.08	4.15	78	1.3
DD000182		0.007	0.13	0.60	25	0.12	5.40	115	1.3
DD000183		0.005	0.17	1.04	22	0.09	7.31	87	1.1
DD000184		0.012	0.11	0.58	31	0.15	3.02	88	1.2
DD000185		0.014	0.11	0.79	35	0.15	6.88	114	1.4
DD000186		0.007	0.11	0.38	21	0.12	2.37	73	1.8
CC160736		0.006	0.20	0.86	25	0.09	9.00	111	1.4
CC160737		0.006	0.33	2.31	16	0.08	7.90	754	1.3
CC160738		0.007	0.21	1.45	15	0.07	6.23	367	1.0
CC160739		0.007	0.12	2.01	29	0.14	7.84	64	0.8
ZZ16227		0.006	0.22	1.06	36	0.09	18.25	98	2.6
ZZ16228		0.007	0.16	0.98	23	0.08	9.56	98	1.3
ZZ16229		0.006	0.19	1.53	35	0.12	10.35	119	1.3
ZZ16230		0.016	0.09	1.15	33	0.29	9.48	111	1.2
ZZ16231		0.006	0.28	1.80	35	0.09	7.76	76	2.0
ZZ16232		0.012	0.20	0.97	40	0.16	13.75	105	1.9
ZZ16233		0.016	0.16	1.14	34	0.16	9.22	208	1.3
ZZ16234		0.008	0.19	0.92	23	0.11	7.17	130	0.9
ZZ16235		<0.005	0.38	1.70	14	0.09	9.30	170	2.0
ZZ16236		<0.005	0.27	1.26	18	0.13	11.25	160	2.0
ZZ16237		0.006	0.17	0.91	40	0.07	9.05	184	1.8
ZZ16238		<0.005	0.17	1.75	49	0.07	10.10	146	1.4
ZZ16239		<0.005	0.15	1.54	29	0.06	9.37	110	1.7
ZZ16240		0.006	0.14	1.67	32	0.09	9.76	91	1.3
ZZ16241		0.006	0.15	1.13	27	0.08	8.09	74	1.2





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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ16242		0.14	0.003	0.11	1.47	122.0	<0.2	<10	210	0.99	0.25	3.60	0.47	30.6	9.7	20
ZZ16243		0.10	NSS	0.04	1.24	22.1	<0.2	<10	230	0.52	0.27	0.27	0.20	12.45	11.5	18
ZZ16244		0.13	<0.001	0.03	1.15	26.1	<0.2	<10	170	0.53	0.24	0.18	0.19	10.75	10.0	19
ZZ16245		0.10	<0.001	0.06	1.67	51.0	<0.2	<10	250	1.13	0.31	1.15	0.74	27.0	14.1	20
ZZ16246		0.12	0.001	0.04	0.46	74	<0.2	<10	80	0.40	0.06	13.95	0.20	4.63	2.5	4
ZZ16247		0.09	<0.001	0.09	0.62	118	<0.2	<10	80	0.54	0.11	12.45	0.16	7.02	4.6	8
ZZ16248		0.17	<0.001	0.12	1.55	17.8	<0.2	<10	260	0.76	0.32	0.35	0.80	18.40	11.1	25
ZZ16249		0.14	0.001	0.12	1.36	26.7	<0.2	<10	230	0.81	0.27	1.05	0.41	20.0	11.9	22
ZZ16250		0.15	0.001	0.09	1.28	16.9	<0.2	<10	290	0.54	0.27	0.79	0.17	14.05	9.2	21
CC160701		0.16	0.001	0.19	0.92	62.1	<0.2	<10	180	0.84	0.30	0.87	0.27	17.30	9.6	15
CC160702		0.17	0.001	0.14	0.88	45.4	<0.2	<10	130	0.88	0.21	1.69	0.22	22.7	8.5	13
CC160703		0.12	0.001	0.07	0.93	104.0	<0.2	<10	150	0.70	0.15	4.56	0.37	18.40	5.6	12
CC160704		0.12	<0.001	0.14	1.84	29.0	<0.2	<10	210	0.98	0.29	1.05	0.68	22.0	6.9	22
CC160705		0.14	0.001	0.12	1.16	39.4	<0.2	<10	190	0.61	0.14	7.95	0.67	17.55	5.4	14
CC160706		0.13	0.001	0.09	1.21	93.8	<0.2	<10	170	0.83	0.22	3.14	0.39	20.2	7.2	17
CC160707		0.11	0.002	0.20	0.65	55.9	<0.2	<10	130	0.56	0.16	8.14	1.31	19.95	7.7	12
CC160708		0.12	0.002	0.20	1.03	65.7	<0.2	<10	780	0.76	0.19	2.57	1.07	14.65	7.3	15
CC160709		0.22	0.003	0.10	0.64	29.8	<0.2	<10	160	1.06	0.36	0.99	0.35	13.10	12.0	13
CC160710		0.22	0.001	0.46	1.11	38.0	<0.2	<10	410	0.99	0.25	1.79	0.93	9.48	7.6	19
CC160711		0.09	0.001	0.26	1.12	37.6	<0.2	<10	450	0.93	0.21	2.72	3.69	15.50	7.9	16
CC160712		0.20	0.001	0.07	1.27	76.0	<0.2	<10	220	1.12	0.30	0.30	0.36	25.6	11.4	21
CC160713		0.16	0.002	0.19	1.14	55.0	<0.2	<10	150	1.02	0.27	1.89	0.42	21.7	11.7	17
CC160714		0.14	0.002	0.07	1.26	43.9	<0.2	<10	130	1.22	0.38	0.25	0.20	18.95	14.8	21
CC160715		0.18	0.002	0.20	1.45	24.2	<0.2	<10	340	1.00	0.29	1.41	0.39	20.3	11.0	21
CC160716		0.22	0.001	0.13	1.44	45.8	<0.2	<10	340	1.11	0.28	1.69	0.74	19.70	9.6	21
CC160717		0.23	0.001	0.05	1.22	30.7	<0.2	<10	180	0.63	0.32	0.30	0.24	11.90	10.5	21
CC160718		0.14	0.022	0.12	1.42	35.1	<0.2	<10	300	1.32	0.31	0.75	0.34	21.3	13.9	21
CC160719		0.18	0.001	0.05	1.53	34.4	<0.2	<10	190	0.91	0.29	0.22	0.22	24.2	11.2	23
CC160720		0.17	0.001	0.04	1.26	15.2	<0.2	<10	170	0.41	0.30	0.10	0.47	13.75	6.4	21
CC160721		0.21	<0.001	0.05	1.41	20.4	<0.2	<10	210	0.66	0.28	0.18	0.31	14.40	7.3	21
CC160722		0.28	0.001	0.12	1.47	23.1	<0.2	<10	240	0.90	0.30	0.62	0.31	19.25	10.7	23
CC160723		0.24	<0.001	0.08	1.11	21.4	<0.2	<10	140	0.38	0.32	0.33	0.40	11.55	6.0	18
CC160724		0.26	<0.001	0.03	2.00	12.9	<0.2	<10	210	0.98	0.34	0.13	0.11	16.00	11.4	28
CC160725		0.36	0.001	0.08	1.39	81.1	<0.2	<10	250	1.00	0.34	0.38	0.35	17.70	11.2	21
CC160726		0.21	0.001	0.04	1.47	36.9	<0.2	<10	190	1.09	0.34	0.23	0.24	17.20	12.0	22
CC160727		0.14	0.002	0.13	1.01	72.7	<0.2	<10	300	0.78	0.22	1.56	0.67	14.15	9.5	17
CC160728		0.22	<0.001	0.05	1.30	33.4	<0.2	<10	190	1.06	0.32	0.43	0.39	13.65	13.1	22
CC160729		0.25	<0.001	0.06	1.34	27.5	<0.2	<10	200	0.83	0.33	0.48	0.55	15.30	11.9	22
CC160730		0.21	0.001	0.09	1.45	43.2	<0.2	<10	210	1.11	0.33	0.54	0.27	22.0	12.1	23
CC160731		0.19	<0.001	0.12	1.36	75.5	<0.2	<10	170	1.07	0.28	2.86	0.32	14.95	9.8	19

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
ZZ16242		0.67	19.8	7.47	4.37	0.08	0.10	1.30	0.050	0.06	13.9	10.1	1.93	2920	1.15	0.02
ZZ16243		0.66	19.0	3.32	5.00	<0.05	0.03	0.11	0.031	0.09	4.7	14.3	0.23	1200	1.16	0.01
ZZ16244		1.08	14.7	3.09	4.53	<0.05	0.04	0.10	0.032	0.06	4.8	13.6	0.25	471	1.15	0.01
ZZ16245		1.03	22.0	3.83	4.85	0.05	0.07	0.08	0.038	0.09	12.2	16.7	0.60	1460	1.28	0.02
ZZ16246		0.38	7.0	1.87	1.11	<0.05	0.05	0.08	0.007	0.04	2.3	2.5	8.74	1640	0.37	0.03
ZZ16247		0.43	9.0	2.18	1.79	<0.05	0.06	0.64	0.012	0.06	3.4	4.8	7.79	1520	0.48	0.03
ZZ16248		0.92	22.8	3.23	5.76	<0.05	0.04	0.06	0.037	0.08	8.2	15.8	0.39	737	0.88	0.02
ZZ16249		0.68	21.8	3.25	4.66	<0.05	0.03	0.21	0.036	0.06	7.3	15.1	0.43	993	0.80	0.02
ZZ16250		0.51	15.0	3.23	4.22	<0.05	0.03	0.20	0.033	0.05	5.9	13.6	0.41	837	0.81	0.02
CC160701		1.82	23.1	3.05	2.81	<0.05	0.05	0.85	0.033	0.07	8.3	8.1	0.22	560	0.87	0.01
CC160702		1.62	17.0	2.92	2.52	<0.05	0.07	0.46	0.029	0.06	9.7	7.2	0.65	859	0.70	0.02
CC160703		0.85	11.4	4.14	2.31	0.05	0.07	0.37	0.021	0.05	8.2	4.9	2.35	2980	0.69	0.02
CC160704		1.46	16.4	4.06	5.51	<0.05	0.07	0.11	0.032	0.05	11.7	10.0	0.43	1970	0.71	0.02
CC160705		0.54	9.3	3.41	2.87	<0.05	0.03	0.14	0.014	0.05	8.9	6.6	4.76	2420	0.43	0.03
CC160706		0.86	13.3	4.17	3.26	<0.05	0.09	0.25	0.022	0.08	9.4	8.7	1.50	1990	0.79	0.02
CC160707		1.17	18.1	3.84	1.78	0.06	0.08	0.80	0.021	0.07	7.6	4.1	4.24	1710	0.59	0.03
CC160708		1.22	19.5	3.97	2.68	<0.05	0.07	0.66	0.021	0.05	7.3	6.1	0.38	1750	0.73	0.03
CC160709		3.88	27.9	3.08	2.54	<0.05	0.08	0.25	0.032	0.11	6.2	8.7	0.39	416	0.88	0.02
CC160710		1.00	28.4	2.64	3.36	<0.05	0.07	0.46	0.027	0.11	6.0	10.7	0.38	255	2.97	0.02
CC160711		1.74	30.2	2.57	2.98	<0.05	0.05	0.24	0.025	0.10	7.6	9.1	0.67	1460	0.95	0.03
CC160712		1.05	18.7	4.07	4.09	<0.05	0.06	1.44	0.032	0.06	10.9	11.8	0.31	1160	1.05	0.01
CC160713		0.93	28.3	3.95	3.37	0.05	0.09	1.66	0.034	0.07	11.5	10.2	1.08	1240	1.21	0.02
CC160714		1.05	27.7	4.48	4.17	<0.05	0.06	0.72	0.034	0.10	7.2	12.5	0.29	1700	1.03	0.02
CC160715		1.88	26.4	2.87	4.64	<0.05	0.04	0.54	0.032	0.06	9.1	14.8	0.30	741	0.77	0.02
CC160716		13.70	20.6	3.58	4.33	<0.05	0.04	0.54	0.039	0.06	9.3	17.0	0.71	1160	0.89	0.02
CC160717		0.60	22.1	3.60	4.69	<0.05	0.02	0.31	0.032	0.07	5.1	15.3	0.30	533	1.31	0.02
CC160718		0.50	28.1	3.56	4.32	0.05	0.08	0.40	0.033	0.12	8.4	14.8	0.32	956	1.31	0.02
CC160719		0.75	15.7	3.77	5.38	<0.05	0.04	0.07	0.031	0.10	8.1	14.6	0.31	1420	1.26	0.02
CC160720		0.69	12.5	2.92	5.51	<0.05	0.02	0.12	0.023	0.06	6.8	14.1	0.27	312	0.95	0.01
CC160721		0.89	16.9	3.33	5.21	<0.05	0.02	0.56	0.030	0.04	6.9	18.1	0.32	332	0.99	0.01
CC160722		0.64	19.6	3.44	4.94	<0.05	0.04	0.24	0.032	0.06	8.7	15.3	0.44	835	0.94	0.02
CC160723		0.85	14.4	3.00	4.82	<0.05	<0.02	0.26	0.025	0.05	5.5	12.2	0.23	318	1.11	0.02
CC160724		1.23	17.7	3.90	6.41	<0.05	0.05	0.05	0.032	0.05	5.8	28.0	0.39	729	0.84	0.02
CC160725		0.80	23.8	3.58	4.74	<0.05	0.04	0.52	0.031	0.07	7.7	15.7	0.31	774	1.13	0.02
CC160726		0.74	30.7	4.02	4.55	<0.05	0.04	0.36	0.037	0.09	6.6	17.2	0.27	591	1.40	0.02
CC160727		0.60	20.6	2.84	3.18	<0.05	0.04	0.54	0.029	0.07	6.5	12.5	0.48	744	0.87	0.02
CC160728		0.65	29.7	3.74	4.50	<0.05	0.07	0.84	0.036	0.10	5.4	18.3	0.33	599	1.73	0.02
CC160729		0.61	21.0	3.68	4.76	<0.05	0.05	0.18	0.033	0.11	5.3	17.1	0.34	873	1.12	0.02
CC160730		0.66	23.9	4.15	4.74	<0.05	0.06	0.44	0.038	0.12	9.9	13.1	0.39	1430	1.00	0.02
CC160731		0.78	26.0	3.35	4.04	<0.05	0.06	0.54	0.032	0.08	8.0	14.2	1.68	1010	0.78	0.02

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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ZZ16242		0.43	22.3	730	46.9	7.6	<0.001	0.05	1.90	5.4	1.8	0.5	19.7	<0.01	0.03	2.2
ZZ16243		0.58	17.0	240	22.8	9.4	<0.001	0.01	0.50	3.1	0.4	0.6	10.3	<0.01	0.03	2.4
ZZ16244		0.60	19.0	140	19.1	8.2	<0.001	<0.01	0.57	2.9	0.5	0.5	9.3	<0.01	0.01	2.6
ZZ16245		0.55	24.3	350	31.8	10.5	0.001	0.03	0.88	5.3	1.0	0.6	15.3	<0.01	0.02	3.2
ZZ16246		0.11	5.1	900	8.2	3.1	<0.001	0.07	1.06	0.6	0.6	<0.2	53.7	<0.01	0.02	0.2
ZZ16247		0.16	9.3	860	10.9	6.0	<0.001	0.06	0.97	1.5	1.0	0.3	65.2	0.01	0.02	0.7
ZZ16248		0.90	20.3	180	20.7	13.1	<0.001	0.01	0.41	4.8	0.5	0.7	14.0	<0.01	0.03	4.2
ZZ16249		0.67	22.1	490	21.9	10.3	<0.001	0.04	0.62	3.2	0.6	0.5	17.2	<0.01	0.02	1.4
ZZ16250		0.68	19.0	320	17.1	7.9	<0.001	0.03	0.44	2.8	0.5	0.5	15.0	<0.01	0.01	1.6
CC160701		0.32	25.1	710	22.9	8.5	<0.001	0.05	0.83	3.7	1.0	0.4	43.1	<0.01	0.03	1.4
CC160702		0.28	21.0	590	25.2	7.4	<0.001	0.04	0.93	3.8	0.6	0.3	32.7	<0.01	0.01	1.5
CC160703		0.22	13.1	1050	25.9	6.1	<0.001	0.07	1.94	2.0	0.9	0.3	27.6	<0.01	0.04	1.0
CC160704		0.78	17.6	610	23.7	8.6	<0.001	0.05	0.68	3.6	0.7	0.5	17.6	0.01	0.05	1.2
CC160705		0.26	12.0	1100	15.9	5.5	<0.001	0.07	0.62	1.4	0.8	0.3	27.3	<0.01	0.03	0.5
CC160706		0.41	18.7	1030	36.0	7.4	<0.001	0.07	1.98	2.8	0.8	0.4	19.4	<0.01	0.05	1.2
CC160707		0.15	23.2	1240	56.4	3.3	<0.001	0.06	2.34	3.0	1.4	0.3	47.1	<0.01	0.04	1.4
CC160708		0.32	20.3	1380	41.7	5.9	<0.001	0.12	2.49	2.5	1.3	0.4	29.1	<0.01	0.03	0.9
CC160709		0.29	25.1	380	21.3	14.8	<0.001	0.05	0.69	4.2	0.5	0.5	25.7	<0.01	0.02	3.1
CC160710		0.31	33.5	640	17.9	9.0	0.001	0.09	1.65	3.2	2.8	0.5	34.9	<0.01	0.05	1.0
CC160711		0.35	23.6	770	23.3	12.2	0.001	0.08	1.30	2.4	1.6	0.4	37.1	<0.01	0.03	0.6
CC160712		0.56	23.9	190	49.3	8.6	<0.001	0.01	2.10	6.4	0.7	0.5	10.1	<0.01	0.06	4.4
CC160713		0.34	29.2	500	35.1	6.5	0.001	0.03	1.61	6.5	1.1	0.5	16.6	<0.01	0.06	3.1
CC160714		0.41	27.5	190	34.7	11.2	0.001	0.02	1.25	6.3	0.8	0.6	9.5	<0.01	0.04	4.1
CC160715		0.60	26.1	590	24.3	11.0	<0.001	0.04	0.90	4.0	1.0	0.6	44.4	<0.01	0.05	1.3
CC160716		0.62	20.9	580	23.8	15.8	<0.001	0.06	0.69	4.4	0.6	0.5	35.5	<0.01	0.03	1.3
CC160717		0.61	21.8	270	24.1	10.1	<0.001	0.01	0.61	3.2	0.5	0.6	14.6	<0.01	0.05	2.6
CC160718		0.43	28.7	380	26.9	10.6	<0.001	0.04	0.79	5.6	1.1	0.6	20.2	<0.01	0.03	2.7
CC160719		0.71	20.8	230	27.1	16.4	<0.001	0.02	0.58	4.1	0.6	0.6	7.7	<0.01	0.05	3.0
CC160720		0.89	14.9	190	19.7	9.9	<0.001	0.01	0.37	2.6	0.5	0.7	7.4	<0.01	0.02	2.4
CC160721		0.74	19.3	200	20.1	10.3	<0.001	0.01	0.44	3.1	0.7	0.6	8.9	<0.01	0.02	2.4
CC160722		0.70	23.7	340	25.1	8.3	<0.001	0.02	0.65	4.2	0.8	0.6	11.3	<0.01	0.04	2.1
CC160723		0.75	14.4	260	20.0	11.2	0.001	0.01	0.49	2.3	0.7	0.6	13.8	<0.01	0.05	1.7
CC160724		0.70	21.5	170	25.9	12.8	<0.001	0.01	0.35	3.8	0.3	0.8	7.1	<0.01	0.06	3.2
CC160725		0.54	21.8	500	26.9	9.2	<0.001	0.02	0.81	4.2	0.7	0.6	15.7	<0.01	0.05	2.4
CC160726		0.38	26.8	170	30.4	11.2	<0.001	0.01	0.63	5.2	0.5	0.6	12.3	<0.01	0.01	4.0
CC160727		0.43	21.4	620	22.5	8.0	0.001	0.07	1.01	3.1	1.2	0.4	29.0	<0.01	0.02	1.2
CC160728		0.49	27.5	270	26.6	10.2	0.001	0.02	0.72	4.7	1.0	0.6	17.4	<0.01	0.02	2.8
CC160729		0.59	21.9	220	30.7	15.0	<0.001	0.02	0.62	4.5	0.5	0.6	15.6	<0.01	0.03	3.1
CC160730		0.48	24.7	270	39.3	11.9	<0.001	0.02	0.93	5.8	1.0	0.6	12.6	<0.01	0.05	3.6
CC160731		0.48	21.5	410	27.2	9.1	<0.001	0.03	0.96	4.9	0.8	0.6	17.5	<0.01	0.04	2.3

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ16242		0.007	0.40	1.37	33	0.13	33.6	103	2.1
ZZ16243		0.006	0.14	0.36	33	0.10	2.41	77	0.9
ZZ16244		0.009	0.14	0.38	33	0.08	1.90	80	1.3
ZZ16245		0.005	0.32	0.80	41	0.10	11.90	88	1.7
ZZ16246		0.005	0.28	1.01	8	<0.05	4.22	41	1.2
ZZ16247		<0.005	0.18	0.97	12	0.11	7.50	36	1.6
ZZ16248		0.013	0.14	1.14	44	0.12	3.68	111	1.5
ZZ16249		0.014	0.11	1.15	35	0.14	5.32	108	0.9
ZZ16250		0.013	0.10	1.25	31	0.22	3.17	84	0.8
CC160701		0.006	0.18	1.29	23	0.10	12.10	111	1.4
CC160702		0.006	0.11	0.77	23	0.07	11.20	81	1.9
CC160703		0.008	0.26	0.99	20	0.12	11.25	100	2.2
CC160704		0.019	0.15	3.22	41	0.13	8.64	174	1.9
CC160705		0.010	0.17	0.91	27	0.11	8.63	136	0.8
CC160706		0.010	0.33	1.12	29	0.16	9.94	117	2.0
CC160707		<0.005	0.38	1.80	17	0.06	17.15	640	2.2
CC160708		0.006	0.27	2.69	24	0.09	11.60	262	2.0
CC160709		<0.005	0.15	0.78	21	0.05	7.06	97	1.8
CC160710		<0.005	0.14	4.23	60	0.07	11.75	171	1.9
CC160711		0.007	0.15	4.04	30	0.06	8.43	622	1.2
CC160712		0.008	0.24	1.40	33	0.13	10.15	197	1.9
CC160713		<0.005	0.29	0.89	30	0.08	17.65	140	2.1
CC160714		0.005	0.30	0.88	30	0.07	7.78	143	1.5
CC160715		0.009	0.21	1.39	35	0.10	8.98	73	1.0
CC160716		0.011	0.17	2.00	36	0.22	9.59	123	1.0
CC160717		0.007	0.12	0.64	37	0.08	3.05	92	0.6
CC160718		<0.005	0.18	1.27	34	0.06	11.70	113	1.8
CC160719		0.010	0.16	0.68	40	0.08	4.39	95	1.2
CC160720		0.013	0.13	0.49	43	0.14	2.26	98	0.6
CC160721		0.008	0.14	0.61	37	0.11	3.13	77	0.8
CC160722		0.012	0.10	1.39	38	0.12	7.48	114	1.2
CC160723		0.011	0.17	0.73	40	0.12	2.13	101	<0.5
CC160724		0.007	0.14	0.61	38	0.14	3.02	70	1.2
CC160725		0.008	0.21	1.44	36	0.10	6.83	153	1.0
CC160726		<0.005	0.20	0.80	35	0.06	7.76	113	1.5
CC160727		0.006	0.19	1.36	27	0.07	8.14	218	1.2
CC160728		0.005	0.18	0.61	34	0.07	5.34	116	1.7
CC160729		0.007	0.19	0.89	37	0.08	3.19	171	1.5
CC160730		0.007	0.26	1.25	34	0.10	11.15	132	1.8
CC160731		0.007	0.31	0.93	28	0.12	9.81	141	1.6



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160732		0.17	0.001	0.11	1.28	25.1	<0.2	<10	250	0.91	0.29	0.99	0.37	13.80	9.2	19
CC160733		0.19	0.001	0.11	1.09	18	<0.2	<10	120	0.75	0.13	10.75	0.28	12.05	4.1	15
CC160734		0.13	0.001	0.11	2.09	40.6	<0.2	<10	250	1.61	0.28	3.29	1.10	32.8	9.8	22
CC160735		0.21	0.001	0.06	1.25	128.0	<0.2	<10	120	1.07	0.29	3.30	0.27	23.1	9.1	19
DD015301		0.14	0.002	0.02	0.32	58.8	<0.2	<10	200	1.24	0.53	0.36	0.03	12.65	16.4	5
DD015302		0.19	0.002	0.03	0.43	16.2	<0.2	<10	130	1.19	0.53	0.18	0.03	12.60	13.3	10
DD015303		0.24	0.001	0.04	0.59	9.0	<0.2	<10	170	1.18	0.46	0.33	0.04	11.70	11.4	13
DD015304		0.25	0.013	0.09	0.37	1855	<0.2	<10	510	0.83	0.47	0.21	0.06	5.15	16.2	8
DD015305		0.21	0.001	0.05	0.32	122.0	<0.2	<10	90	0.55	0.25	7.70	0.15	9.67	14.8	6
DD015306		0.22	0.002	0.13	0.90	120.5	<0.2	<10	90	0.72	0.17	8.94	0.60	14.60	8.1	13
DD015307		0.21	0.002	0.13	0.91	118.0	<0.2	<10	100	0.75	0.16	9.93	0.56	14.15	7.5	14
DD015308		0.22	0.001	0.18	0.78	89	<0.2	<10	150	0.70	0.15	12.05	0.82	18.10	7.2	14
DD015309		0.12	<0.001	0.12	0.67	69.2	<0.2	<10	90	0.69	0.08	1.41	0.42	25.0	3.3	16
DD015310		0.29	0.002	0.22	1.41	79.5	<0.2	<10	250	0.79	0.27	0.50	0.23	17.85	8.4	22
DD015311		0.13	0.001	0.10	0.63	64.4	<0.2	<10	150	0.51	0.14	7.79	0.48	12.75	6.4	10
DD015312		0.30	0.002	0.14	1.00	165.5	<0.2	<10	180	0.83	0.24	5.28	0.65	17.30	11.6	17
DD015313		0.23	0.001	0.08	1.63	144.5	<0.2	<10	180	1.03	0.28	0.41	0.36	22.4	11.1	27
DD015314		0.18	0.001	0.06	1.60	206	<0.2	<10	180	0.79	0.26	0.28	0.19	16.70	9.5	26
DD015315		0.33	0.002	0.17	1.12	338	<0.2	<10	140	0.81	0.23	5.75	0.65	20.5	11.2	17
DD015316		0.26	0.002	0.19	1.50	203	<0.2	<10	190	0.90	0.27	1.22	0.70	25.8	10.6	25
DD015317		0.25	0.002	0.12	0.85	282	<0.2	<10	140	0.63	0.15	6.85	0.57	12.75	6.0	12
DD015318		0.22	0.001	0.13	0.68	105	<0.2	<10	80	0.69	0.09	12.45	0.23	14.30	3.0	9
DD015319		0.38	0.002	0.15	1.30	41.8	<0.2	<10	260	1.06	0.31	0.46	0.25	18.50	11.8	21
DD015320		0.31	0.001	0.11	1.16	39.2	<0.2	<10	260	0.98	0.32	0.43	0.20	19.55	12.9	20
DD015321		0.23	0.003	0.15	1.07	77.6	<0.2	<10	170	0.93	0.23	5.44	0.38	21.3	10.6	17
DD015322		0.35	0.001	0.13	1.31	33.2	<0.2	<10	290	0.93	0.30	0.53	0.41	21.8	12.3	25
DD015323		0.40	0.005	0.15	1.38	39.3	<0.2	<10	220	0.97	0.29	0.57	0.27	23.2	11.6	25
DD015324		0.33	0.002	0.14	1.25	52.2	<0.2	<10	280	1.12	0.31	0.45	0.31	22.9	14.0	21
DD015325		0.23	0.002	0.17	1.18	41.3	<0.2	<10	300	0.85	0.25	1.21	1.05	18.35	8.3	19
DD015326		0.29	0.001	0.10	1.63	51.7	<0.2	<10	280	1.00	0.30	0.53	0.35	26.1	11.6	26
DD015327		0.22	0.002	0.22	1.53	31.4	<0.2	<10	280	0.94	0.28	0.96	0.23	26.4	10.5	26
DD015328		0.26	0.002	0.22	1.65	17.8	<0.2	<10	300	0.92	0.27	0.64	0.26	28.7	10.0	29
DD015329		0.23	0.001	0.03	1.62	31.5	<0.2	<10	180	1.10	0.34	0.14	0.17	17.50	12.0	24
DD015330		0.30	0.001	0.06	1.62	27.6	<0.2	<10	170	1.04	0.30	1.54	0.16	17.50	10.0	23
DD015331		0.27	0.001	0.08	0.43	78.5	<0.2	<10	90	0.40	0.50	0.25	0.11	8.99	5.2	7
DD015332		0.23	0.002	0.14	1.47	36.0	<0.2	<10	250	0.99	0.28	0.64	0.19	22.8	10.0	25
DD015333		0.23	0.001	0.14	0.50	96.6	<0.2	<10	110	0.61	0.22	4.47	0.38	18.30	5.2	9
DD015334		0.21	0.001	0.18	0.49	73.0	<0.2	<10	100	1.08	0.32	1.79	0.24	29.2	9.0	6
DD015335		0.19	0.001	0.07	0.33	44.5	<0.2	<10	140	0.50	0.16	5.73	0.18	10.95	4.7	4
DD015336		0.19	0.001	0.12	0.68	40.5	<0.2	<10	150	0.84	0.26	1.81	0.29	13.55	9.1	11



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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160732		0.60	19.6	3.03	4.16	<0.05	0.04	0.28	0.030	0.05	6.2	12.4	0.39	617	0.66	0.02
CC160733		0.45	7.9	2.40	2.69	<0.05	0.04	0.15	0.014	0.04	7.0	7.3	6.60	1280	0.53	0.03
CC160734		1.14	11.1	4.91	5.92	0.06	0.08	0.47	0.033	0.08	18.6	15.1	2.00	3360	0.69	0.02
CC160735		0.76	19.8	3.44	3.45	0.05	0.06	0.38	0.027	0.08	11.0	10.4	2.07	1000	0.89	0.02
DD015301		5.81	22.4	3.27	1.05	<0.05	0.05	0.85	0.031	0.09	5.5	1.8	0.15	792	0.68	0.02
DD015302		11.30	37.9	2.86	2.08	<0.05	0.03	0.08	0.026	0.13	5.5	3.8	0.11	296	0.40	0.01
DD015303		10.95	35.1	2.97	2.79	<0.05	0.04	0.02	0.023	0.14	5.4	7.5	0.17	373	0.57	0.02
DD015304		2.59	48.4	3.59	1.57	<0.05	0.04	2.59	0.032	0.10	2.4	2.1	0.07	896	0.74	0.02
DD015305		1.39	20.0	2.90	1.12	<0.05	0.04	1.03	0.024	0.06	4.1	2.7	4.32	1720	0.38	0.02
DD015306		0.66	18.5	2.75	2.48	<0.05	0.05	1.30	0.022	0.06	6.6	8.2	5.17	1250	0.80	0.02
DD015307		0.69	18.6	2.83	2.39	<0.05	0.06	1.14	0.020	0.06	6.4	8.0	5.79	1340	0.79	0.02
DD015308		0.85	15.8	3.98	1.90	0.05	0.08	1.55	0.021	0.06	9.4	3.9	7.10	3580	0.53	0.02
DD015309		0.46	5.2	3.18	1.42	<0.05	0.06	1.65	0.019	0.03	9.4	2.4	0.70	1920	0.35	0.01
DD015310		2.41	17.3	3.46	4.00	<0.05	0.04	1.11	0.029	0.06	7.0	11.5	0.26	698	0.86	0.01
DD015311		1.36	12.9	2.14	1.69	<0.05	0.04	1.08	0.020	0.06	5.1	5.6	4.05	1060	0.59	0.02
DD015312		2.07	31.2	3.42	2.91	0.05	0.04	1.37	0.029	0.09	7.1	10.9	3.10	1030	1.09	0.02
DD015313		0.89	20.4	4.71	4.59	0.05	0.04	1.47	0.039	0.07	11.1	12.3	0.45	1520	1.07	0.01
DD015314		0.98	16.3	4.19	4.70	<0.05	0.04	1.06	0.037	0.05	6.9	14.6	0.37	703	1.10	0.01
DD015315		0.76	28.5	3.63	3.25	0.05	0.08	1.93	0.032	0.07	9.0	10.0	3.37	1540	1.01	0.01
DD015316		0.93	21.4	3.73	4.38	0.06	0.05	1.41	0.035	0.07	13.4	11.9	0.66	1380	0.84	0.01
DD015317		0.88	15.1	2.28	2.23	<0.05	0.05	1.20	0.021	0.06	6.1	7.2	4.37	1080	0.69	0.01
DD015318		0.47	9.0	1.62	1.56	0.05	0.06	0.74	0.015	0.05	12.4	3.7	7.42	1220	0.49	0.02
DD015319		0.91	34.5	4.02	4.07	0.05	0.07	0.93	0.043	0.07	9.8	14.0	0.38	695	1.35	<0.01
DD015320		0.68	29.0	3.97	3.97	0.05	0.05	0.89	0.039	0.06	7.6	13.9	0.35	724	1.94	<0.01
DD015321		0.52	24.2	3.71	3.19	0.06	0.05	1.35	0.032	0.07	9.4	10.5	3.03	1440	1.12	0.01
DD015322		0.67	26.7	3.76	4.26	<0.05	0.05	0.75	0.036	0.07	8.0	15.0	0.36	599	1.35	<0.01
DD015323		0.87	23.5	3.85	4.50	0.06	0.06	0.78	0.040	0.07	11.6	15.4	0.40	657	1.34	<0.01
DD015324		0.82	32.4	4.11	4.09	0.06	0.06	1.38	0.043	0.07	10.8	14.3	0.39	996	1.48	<0.01
DD015325		1.26	23.0	2.67	3.83	<0.05	0.06	0.75	0.034	0.07	8.4	13.6	0.36	632	0.82	0.01
DD015326		0.76	21.5	3.80	4.99	0.05	0.05	0.38	0.041	0.08	11.0	16.4	0.44	687	1.28	0.01
DD015327		0.77	25.3	3.25	4.74	0.05	0.04	0.27	0.032	0.06	13.1	15.3	0.64	631	0.81	0.01
DD015328		0.69	30.5	3.04	5.19	0.05	0.04	0.18	0.034	0.06	15.4	14.9	0.55	538	0.81	0.01
DD015329		1.21	29.4	4.06	5.05	<0.05	0.03	0.41	0.042	0.05	6.8	19.4	0.33	665	1.39	<0.01
DD015330		1.02	21.2	3.83	4.80	<0.05	0.06	0.44	0.039	0.06	7.9	14.6	1.00	719	1.07	0.01
DD015331		0.75	13.4	1.99	1.49	<0.05	0.03	2.85	0.017	0.05	4.5	2.9	0.08	117	1.21	<0.01
DD015332		1.28	19.5	3.43	4.35	0.05	0.07	0.49	0.036	0.07	10.4	14.9	0.43	607	0.94	0.01
DD015333		1.81	9.4	2.63	1.33	<0.05	0.05	2.20	0.020	0.05	6.3	2.9	2.24	572	0.41	0.01
DD015334		3.34	18.2	2.88	1.27	0.06	0.05	1.81	0.037	0.06	9.6	2.7	0.29	371	0.60	<0.01
DD015335		2.37	9.8	1.74	0.82	<0.05	0.03	0.34	0.018	0.05	3.2	1.4	2.34	530	0.39	0.01
DD015336		3.15	19.1	2.73	1.96	<0.05	0.04	1.12	0.029	0.08	4.8	5.8	0.41	571	0.73	0.01



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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160732		0.58	19.1	310	21.3	7.2	0.001	0.03	0.62	3.5	0.5	0.5	17.3	<0.01	0.02	1.6
CC160733		0.41	10.3	1540	10.9	4.1	<0.001	0.05	0.52	1.9	1.0	0.3	57.1	<0.01	0.04	0.8
CC160734		0.65	19.3	530	34.9	13.9	<0.001	0.03	0.72	6.0	1.2	0.8	23.6	<0.01	0.04	3.2
CC160735		0.45	20.5	350	37.5	8.8	<0.001	0.02	2.75	5.9	1.0	0.5	17.5	<0.01	0.02	3.9
DD015301		0.05	31.7	190	11.8	5.9	<0.001	0.02	0.64	5.9	0.7	0.4	20.2	<0.01	0.05	3.3
DD015302		0.17	21.4	230	13.9	13.7	<0.001	0.02	0.23	3.6	0.6	0.6	15.0	<0.01	0.04	3.5
DD015303		0.24	23.6	310	14.2	15.9	<0.001	0.02	0.23	3.2	0.7	0.6	18.4	<0.01	0.02	2.9
DD015304		0.05	31.0	120	20.5	7.5	<0.001	0.03	6.06	6.8	0.4	0.4	25.3	<0.01	0.05	2.6
DD015305		0.06	21.7	480	19.0	4.0	<0.001	0.03	1.40	4.0	0.7	0.3	43.0	<0.01	0.03	0.9
DD015306		0.33	20.2	790	52.1	5.7	0.001	0.04	1.94	2.7	0.7	0.3	46.0	<0.01	0.03	1.3
DD015307		0.32	21.0	1000	45.4	5.5	<0.001	0.04	2.05	2.5	0.9	0.3	53.6	<0.01	0.03	1.1
DD015308		0.17	21.1	820	53.1	5.7	<0.001	0.05	2.61	3.0	1.2	0.3	42.0	<0.01	0.06	1.0
DD015309		0.13	9.5	410	32.5	4.6	<0.001	0.03	2.06	4.0	0.6	0.2	10.5	<0.01	0.02	2.0
DD015310		0.51	21.0	640	35.1	9.9	<0.001	0.03	1.61	3.1	0.7	0.5	18.2	<0.01	0.03	2.0
DD015311		0.25	14.6	630	23.9	5.5	<0.001	0.06	1.91	2.2	0.5	0.3	46.0	<0.01	<0.01	1.3
DD015312		0.37	29.6	830	42.5	9.6	<0.001	0.03	1.91	4.1	0.9	0.4	36.2	<0.01	0.04	2.8
DD015313		0.67	28.2	320	38.2	11.3	0.001	0.01	2.55	5.4	1.0	0.5	8.7	<0.01	0.03	4.2
DD015314		0.73	23.3	280	26.5	11.6	<0.001	0.01	1.98	3.3	0.3	0.5	8.9	<0.01	0.03	3.3
DD015315		0.37	29.4	1090	41.9	7.3	0.001	0.03	3.63	4.4	1.2	0.5	28.1	<0.01	0.04	2.9
DD015316		0.60	26.3	750	33.9	8.6	<0.001	0.04	2.30	3.7	1.2	0.5	15.8	<0.01	0.04	1.5
DD015317		0.27	16.0	570	20.1	6.5	0.001	0.03	1.73	2.5	0.7	0.3	30.7	<0.01	0.02	1.3
DD015318		0.14	10.8	570	17.6	5.6	<0.001	0.04	1.43	2.3	1.0	0.2	50.7	<0.01	0.02	1.2
DD015319		0.52	32.4	420	27.8	8.8	<0.001	0.01	0.89	5.6	1.2	0.5	16.4	<0.01	0.04	4.0
DD015320		0.51	29.2	360	29.7	7.2	<0.001	0.01	0.95	3.9	1.1	0.5	13.2	<0.01	0.03	3.0
DD015321		0.42	26.2	690	30.3	6.6	<0.001	0.03	2.03	4.2	1.2	0.4	27.8	<0.01	0.04	2.1
DD015322		0.54	31.1	300	26.6	8.4	<0.001	0.01	0.88	4.5	0.7	0.5	16.7	<0.01	0.04	3.4
DD015323		0.80	29.6	320	28.4	10.3	0.001	0.02	0.87	4.8	1.0	0.6	18.8	<0.01	0.04	3.4
DD015324		0.53	33.9	490	31.6	8.2	<0.001	0.01	1.03	5.8	1.2	0.5	18.3	<0.01	0.04	4.4
DD015325		0.58	22.9	740	34.5	12.0	0.001	0.10	0.74	3.1	1.1	0.5	36.2	<0.01	0.02	1.3
DD015326		0.80	29.6	280	25.4	10.2	<0.001	0.02	0.66	4.4	0.9	0.6	20.7	<0.01	0.03	3.7
DD015327		0.96	28.0	500	18.5	8.6	<0.001	0.03	0.69	3.8	0.9	0.6	17.7	<0.01	0.04	2.1
DD015328		0.96	28.9	520	17.2	8.7	<0.001	0.03	0.53	3.9	1.0	0.6	17.2	<0.01	0.04	1.8
DD015329		0.49	28.4	230	29.8	12.5	0.001	0.01	0.56	4.2	0.7	0.6	8.1	<0.01	0.04	3.9
DD015330		0.59	23.5	230	27.6	11.3	<0.001	0.02	0.53	4.5	0.6	0.6	9.3	<0.01	0.04	3.7
DD015331		0.19	14.3	180	67.1	4.5	0.001	0.01	4.12	2.9	0.2	0.4	10.9	<0.01	0.15	3.2
DD015332		0.75	27.0	310	26.2	8.0	<0.001	0.02	0.76	4.9	1.0	0.5	13.0	<0.01	0.03	3.5
DD015333		0.16	16.1	430	92.7	3.7	0.001	0.04	3.22	2.6	0.5	0.3	31.7	<0.01	0.02	2.3
DD015334		0.17	28.3	310	46.3	4.8	0.001	0.03	0.91	5.2	1.2	0.3	93.2	<0.01	0.02	3.5
DD015335		0.14	12.9	430	17.4	4.7	<0.001	0.09	1.30	1.7	0.4	0.2	59.7	<0.01	0.01	0.9
DD015336		0.30	22.3	440	26.1	7.8	<0.001	0.06	1.12	3.3	0.7	0.4	34.4	<0.01	0.02	1.5

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



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160732		0.009	0.11	0.98	30	0.11	5.05	85	1.3
CC160733		0.012	0.10	2.22	24	0.17	9.20	82	1.1
CC160734		0.008	0.22	1.20	42	0.11	15.75	607	2.3
CC160735		0.007	0.26	1.28	27	0.56	13.85	161	1.9
DD015301		<0.005	0.25	0.59	10	<0.05	8.63	35	1.4
DD015302		<0.005	0.14	0.67	11	<0.05	6.09	55	1.2
DD015303		0.006	0.12	0.70	15	<0.05	6.63	52	1.0
DD015304		<0.005	0.45	0.57	14	0.23	5.09	58	1.2
DD015305		<0.005	0.38	0.65	10	0.18	8.96	47	1.0
DD015306		0.007	0.36	1.08	21	0.08	11.45	260	1.4
DD015307		0.008	0.45	1.54	22	0.10	18.10	180	1.6
DD015308		0.005	0.73	1.14	21	0.10	26.6	176	1.9
DD015309		<0.005	0.64	1.00	19	0.07	14.30	145	1.8
DD015310		0.006	0.23	1.42	37	0.12	5.68	172	1.1
DD015311		<0.005	0.18	1.12	17	0.06	6.23	150	1.2
DD015312		0.006	0.37	1.15	28	0.07	9.60	265	1.3
DD015313		0.007	0.36	1.37	44	0.13	11.50	237	1.6
DD015314		0.007	0.27	0.86	42	0.13	3.85	140	1.3
DD015315		0.006	0.35	1.71	28	0.09	14.35	260	2.1
DD015316		0.013	0.29	1.48	41	0.15	13.55	242	1.2
DD015317		0.005	0.50	1.02	20	0.09	9.49	237	1.4
DD015318		<0.005	0.23	1.69	13	0.08	15.30	56	1.5
DD015319		0.006	0.23	1.00	35	0.08	13.45	128	2.1
DD015320		0.007	0.15	1.03	32	0.07	7.76	116	1.4
DD015321		0.006	0.25	1.40	27	0.09	12.85	107	1.5
DD015322		0.006	0.16	0.75	37	0.08	8.53	110	1.6
DD015323		0.011	0.16	0.94	40	0.14	9.81	107	1.7
DD015324		0.006	0.25	1.09	33	0.08	13.00	242	1.9
DD015325		0.007	0.21	2.00	30	0.09	9.19	404	1.6
DD015326		0.008	0.19	0.91	42	0.15	8.13	118	1.6
DD015327		0.021	0.13	0.99	40	0.22	10.40	91	1.1
DD015328		0.024	0.10	1.44	42	0.22	12.20	100	1.0
DD015329		<0.005	0.19	0.65	39	0.08	5.21	100	1.0
DD015330		<0.005	0.17	1.25	37	0.09	8.62	133	1.9
DD015331		<0.005	0.46	0.48	9	0.22	1.80	91	1.5
DD015332		0.010	0.21	0.86	36	0.12	11.45	108	2.1
DD015333		<0.005	0.38	0.79	9	0.09	8.12	204	1.8
DD015334		<0.005	0.31	0.59	8	0.06	16.00	138	1.9
DD015335		<0.005	0.20	0.83	6	0.10	5.10	76	1.3
DD015336		<0.005	0.27	0.82	16	0.06	7.58	103	1.3





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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015337		0.28	0.002	0.14	0.78	69.1	<0.2	<10	560	0.91	0.24	2.02	0.62	12.85	9.3	12
DD015338		0.20	0.002	0.13	0.70	40.2	<0.2	<10	200	0.79	0.23	2.84	0.39	11.75	7.7	11
DD015478		0.25	0.001	0.03	1.56	25.7	<0.2	<10	190	1.06	0.29	0.43	0.10	20.8	12.0	24
DD015479		0.19	0.003	0.31	0.81	30	<0.2	<10	120	0.66	0.16	12.00	0.34	22.2	5.3	12
DD015480		0.26	0.006	0.28	0.25	33	<0.2	<10	60	0.32	0.12	15.45	0.06	15.65	5.3	7
DD015481		0.36	0.002	0.09	1.46	24.7	<0.2	<10	320	1.23	0.38	0.33	0.18	21.5	14.6	24
DD015482		0.40	0.001	0.07	1.70	29.8	<0.2	<10	260	1.12	0.40	0.20	0.29	18.45	12.6	26
DD015483		0.25	0.001	0.18	1.14	57.4	<0.2	<10	160	0.80	0.24	0.86	0.19	19.40	9.0	19
DD015484		0.30	<0.001	0.09	0.49	95.1	<0.2	<10	100	1.50	0.39	0.19	0.03	19.10	16.1	6
DD015485		0.27	0.001	0.04	1.51	52.5	<0.2	<10	200	1.34	0.37	0.32	0.11	19.50	14.6	24
DD015486		0.22	0.011	0.05	1.05	358	<0.2	<10	280	1.09	0.37	0.35	0.11	28.0	14.6	19
DD000190		0.13	0.005	0.08	1.56	38.5	<0.2	<10	180	0.73	0.24	0.85	0.34	14.30	5.9	22
DD000191		0.19	0.001	0.13	0.87	79.0	<0.2	<10	120	0.55	0.14	8.32	0.36	18.65	5.3	14
DD000192		0.23	0.002	0.04	0.35	31.1	<0.2	<10	100	1.35	0.58	0.46	0.04	15.20	17.2	8
DD000193		0.19	0.002	0.03	0.73	31.7	<0.2	<10	120	1.64	0.54	0.12	0.02	20.5	22.3	15
DD000194		0.23	0.003	0.08	0.54	44.1	<0.2	<10	140	1.27	0.46	0.59	0.10	14.60	14.3	11
DD000195		0.21	0.001	0.15	1.11	94.4	<0.2	<10	140	0.79	0.22	4.35	0.61	22.1	8.8	18
DD000196		0.27	0.001	0.15	0.83	78.2	<0.2	<10	130	0.69	0.17	9.04	0.83	16.30	8.3	11
DD000197		0.16	0.002	0.09	1.02	81.2	<0.2	10	130	0.73	0.14	9.67	0.81	15.70	5.9	12
DD000198		0.25	0.002	0.17	1.15	68.5	<0.2	<10	130	0.76	0.21	6.92	0.68	28.6	8.8	16
DD000199		0.26	0.002	0.10	0.74	65	<0.2	<10	70	0.44	0.14	12.60	0.26	17.20	6.6	11
DD000200		0.17	0.002	0.12	0.91	88.6	<0.2	<10	110	0.73	0.14	4.49	0.41	22.4	6.8	15
DD015491		0.31	0.002	0.16	1.10	49.2	<0.2	<10	250	0.99	0.30	1.94	0.60	20.4	11.6	19
DD015492		0.35	0.002	0.15	1.21	44.6	<0.2	<10	270	1.00	0.32	1.68	0.42	21.5	15.5	19
DD015493		0.16	0.003	0.17	1.36	48.2	<0.2	<10	380	0.93	0.26	1.78	0.70	20.2	10.5	20
DD015494		0.18	0.003	0.16	1.05	326	<0.2	<10	160	0.69	0.22	3.51	0.97	19.90	9.1	16
DD015495		0.28	0.003	0.11	0.40	84	<0.2	<10	110	0.32	0.13	13.75	0.86	15.20	6.5	8
DD015496		0.32	0.001	0.11	1.05	473	<0.2	<10	160	0.78	0.25	5.58	0.47	16.20	11.0	16
DD015498		0.19	0.001	0.07	0.28	90	<0.2	<10	130	0.55	0.35	11.35	0.04	15.25	12.0	6
DD015499		0.30	0.001	0.05	0.52	47.3	<0.2	<10	130	0.75	0.50	0.12	0.21	21.9	14.6	12
DD015500		0.13	0.003	0.09	1.10	25.9	<0.2	<10	220	0.62	0.19	2.46	0.51	16.60	6.9	14
DD015471		0.37	0.002	0.15	1.10	34.6	<0.2	<10	260	0.86	0.29	1.13	0.47	20.4	11.2	19
DD015472		0.34	0.002	0.12	1.05	30.0	<0.2	<10	310	0.86	0.26	0.63	0.39	18.85	12.1	18
DD015473		0.24	0.002	0.18	1.18	49.2	<0.2	<10	250	1.04	0.33	0.88	0.56	22.4	17.3	20
DD015474		0.45	0.002	0.16	0.99	45.3	<0.2	<10	200	0.92	0.31	0.98	0.75	22.0	14.6	18
DD015475		0.35	0.005	0.14	1.44	49.2	<0.2	<10	360	1.28	0.38	0.92	0.33	19.45	16.3	23
DD015476		0.43	0.002	0.14	1.32	33.7	<0.2	<10	310	1.15	0.35	1.48	0.45	18.10	14.8	21
DD015477		0.25	<0.001	0.19	1.42	39.1	<0.2	<10	340	0.95	0.30	1.92	0.26	21.9	11.6	22



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**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015337		2.40	27.8	2.97	2.40	<0.05	0.04	1.40	0.033	0.09	5.3	8.2	0.43	720	1.02	0.01
DD015338		2.31	21.0	2.45	1.98	<0.05	0.04	1.08	0.027	0.09	5.2	6.1	0.92	497	0.74	0.01
DD015478		0.85	19.8	3.69	4.83	<0.05	0.06	0.29	0.038	0.06	7.9	13.6	0.48	857	0.84	<0.01
DD015479		0.58	11.8	2.46	1.93	0.06	0.08	1.46	0.019	0.04	15.8	4.4	6.92	1220	0.42	0.02
DD015480		0.59	17.3	1.35	0.66	0.05	0.04	1.70	0.009	0.04	8.9	1.6	9.36	1060	0.43	0.03
DD015481		0.84	43.6	4.12	5.06	0.05	0.06	0.66	0.044	0.07	10.9	15.0	0.35	1000	1.15	<0.01
DD015482		1.21	31.8	4.31	5.25	<0.05	0.04	0.44	0.044	0.06	6.4	21.0	0.33	691	1.09	<0.01
DD015483		1.84	14.9	3.32	3.66	0.06	0.08	0.63	0.027	0.06	8.2	8.0	0.29	928	0.63	<0.01
DD015484		2.89	19.6	3.63	1.33	<0.05	0.04	3.68	0.037	0.05	5.9	3.0	0.05	326	0.48	<0.01
DD015485		0.86	37.0	4.12	5.31	0.06	0.07	0.75	0.042	0.08	8.4	13.8	0.34	842	1.10	<0.01
DD015486		1.72	23.1	3.83	3.81	<0.05	0.07	0.39	0.035	0.08	11.2	13.0	0.30	725	0.83	<0.01
DD000190		0.93	10.1	3.24	4.96	<0.05	0.04	0.23	0.029	0.04	7.3	9.2	0.39	572	0.66	0.01
DD000191		0.68	10.6	2.88	2.34	<0.05	0.04	0.51	0.017	0.04	7.7	5.9	4.73	1690	0.62	0.02
DD000192		5.55	32.6	3.46	1.57	<0.05	0.05	0.24	0.030	0.11	6.8	2.0	0.18	308	0.32	<0.01
DD000193		10.70	38.5	3.62	3.60	0.05	0.05	0.11	0.027	0.16	7.6	12.2	0.20	496	0.49	<0.01
DD000194		9.08	35.8	3.36	2.35	<0.05	0.07	0.18	0.028	0.13	6.2	5.2	0.19	624	0.50	<0.01
DD000195		1.29	16.0	3.37	3.29	0.05	0.05	0.94	0.028	0.07	12.3	8.8	2.58	1320	0.87	0.01
DD000196		2.20	21.5	2.90	2.34	<0.05	0.03	2.36	0.024	0.06	8.6	5.7	5.15	1810	0.70	0.01
DD000197		0.58	12.6	2.96	2.64	<0.05	0.04	0.55	0.018	0.05	8.3	4.9	5.24	2320	0.79	0.02
DD000198		0.71	20.0	3.45	3.21	0.06	0.10	0.89	0.025	0.06	14.6	6.4	4.21	2570	0.80	0.02
DD000199		0.56	15.6	3.17	2.02	<0.05	0.07	0.82	0.015	0.05	8.3	4.7	7.25	2170	0.54	0.02
DD000200		0.66	11.7	4.80	2.73	0.05	0.08	2.01	0.031	0.04	10.0	5.4	2.49	2790	0.74	0.01
DD015491		1.03	38.3	3.70	3.93	0.05	0.05	1.48	0.038	0.10	8.8	13.8	1.04	567	1.60	0.01
DD015492		0.82	40.7	3.85	4.25	0.05	0.06	0.93	0.040	0.10	9.6	14.8	1.05	874	1.63	0.01
DD015493		0.56	23.4	3.09	4.28	0.05	0.04	0.63	0.035	0.06	9.6	11.0	0.56	922	1.02	0.01
DD015494		0.69	18.7	3.03	3.34	0.05	0.05	2.07	0.025	0.06	9.5	8.1	1.68	1400	0.80	0.01
DD015495		0.87	14.4	2.45	1.23	<0.05	0.04	1.90	0.012	0.05	7.0	3.2	8.20	1820	0.46	0.02
DD015496		1.53	25.1	3.69	3.42	<0.05	0.05	1.66	0.035	0.09	7.2	11.3	3.02	1430	1.19	0.01
DD015498		2.47	29.5	2.62	1.08	0.05	0.06	1.66	0.017	0.08	6.7	1.8	6.33	866	0.23	0.02
DD015499		12.35	21.7	2.87	2.39	<0.05	<0.02	0.19	0.027	0.09	7.1	4.7	0.08	634	0.63	<0.01
DD015500		1.22	22.9	2.03	3.38	<0.05	0.03	0.34	0.025	0.04	7.3	7.1	0.26	882	0.59	0.01
DD015471		0.69	31.6	3.62	3.88	0.05	0.05	0.87	0.033	0.07	10.6	13.4	0.59	891	1.38	0.01
DD015472		0.58	27.0	3.32	3.73	0.05	0.05	0.66	0.033	0.07	8.8	13.2	0.33	748	1.30	<0.01
DD015473		1.12	40.3	4.01	4.31	0.05	0.06	2.16	0.041	0.09	9.9	15.6	0.56	1170	1.71	0.01
DD015474		1.23	38.6	3.89	3.70	0.05	0.05	1.36	0.038	0.10	9.8	13.9	0.60	880	1.61	0.01
DD015475		1.10	38.5	3.95	4.93	0.05	0.06	1.43	0.041	0.12	9.1	18.0	0.62	802	1.57	0.01
DD015476		1.08	36.7	3.67	4.39	<0.05	0.07	0.50	0.039	0.12	7.8	17.3	0.67	613	1.86	0.01
DD015477		0.73	24.2	3.43	4.53	0.05	0.05	0.63	0.035	0.08	12.0	15.0	1.14	718	1.20	0.01

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



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD015337		0.30	24.4	410	24.9	15.2	0.001	0.06	1.48	3.6	1.2	0.4	46.5	<0.01	0.03	1.6
DD015338		0.27	18.8	500	22.1	13.2	0.001	0.07	1.09	2.7	0.8	0.4	51.4	<0.01	0.02	1.2
DD015478		0.60	24.8	150	27.0	10.2	<0.001	<0.01	0.40	5.0	0.7	0.6	9.2	<0.01	0.02	4.2
DD015479		0.19	13.3	1470	30.0	5.4	0.001	0.05	1.40	2.7	0.9	0.3	44.4	<0.01	0.03	1.2
DD015480		0.05	12.5	1130	23.4	2.6	<0.001	0.05	2.68	2.2	0.7	0.2	43.1	<0.01	0.07	1.4
DD015481		0.40	29.2	200	33.9	9.2	0.001	0.01	0.48	6.9	1.0	0.7	14.4	<0.01	0.04	5.2
DD015482		0.50	26.7	220	34.7	12.0	0.001	<0.01	0.52	4.6	0.7	0.7	10.9	<0.01	0.03	4.1
DD015483		0.48	19.9	290	37.6	6.5	<0.001	0.02	3.69	4.3	0.7	0.5	13.2	<0.01	0.03	4.0
DD015484		0.10	37.4	160	36.9	4.7	<0.001	0.01	1.79	5.5	0.8	0.3	24.5	<0.01	0.03	4.5
DD015485		0.50	28.3	140	30.3	9.1	<0.001	<0.01	0.69	6.6	0.8	0.7	13.1	<0.01	0.04	4.7
DD015486		0.68	29.3	150	29.5	8.8	<0.001	0.01	2.15	4.9	0.5	0.5	20.4	<0.01	0.05	6.0
DD000190		0.64	14.5	800	20.5	6.8	<0.001	0.05	0.89	2.9	0.4	0.6	12.8	<0.01	0.03	1.0
DD000191		0.32	14.2	850	22.3	5.4	<0.001	0.04	1.78	1.6	0.6	0.3	44.1	<0.01	0.03	0.7
DD000192		0.08	27.6	220	18.3	8.2	<0.001	0.01	0.36	4.1	0.3	0.5	17.3	<0.01	0.04	3.8
DD000193		0.42	32.8	210	19.0	18.8	0.001	0.01	0.42	4.7	0.7	0.7	17.1	<0.01	0.03	5.3
DD000194		0.19	24.2	450	18.9	17.6	<0.001	0.04	0.46	3.6	0.5	0.5	24.1	<0.01	0.04	2.4
DD000195		0.42	18.9	810	33.7	10.8	<0.001	0.04	1.68	3.5	0.7	0.4	23.3	<0.01	0.04	1.4
DD000196		0.27	15.7	1030	40.7	8.1	<0.001	0.05	1.83	2.3	0.7	0.3	42.4	<0.01	0.04	0.6
DD000197		0.26	13.5	1330	30.0	6.0	<0.001	0.08	2.19	1.3	0.6	0.3	61.2	<0.01	0.06	0.4
DD000198		0.30	21.7	1020	42.0	5.9	<0.001	0.08	3.22	2.9	1.1	0.4	32.4	<0.01	0.06	1.3
DD000199		0.20	15.2	870	42.3	4.0	<0.001	0.05	3.06	2.8	0.8	0.3	40.1	<0.01	0.06	1.4
DD000200		0.26	17.4	600	37.5	5.3	<0.001	0.03	2.97	4.1	0.9	0.3	24.0	<0.01	0.04	1.6
DD015491		0.44	31.9	730	27.0	8.7	0.001	0.02	1.54	5.3	0.8	0.5	30.6	<0.01	0.04	3.9
DD015492		0.47	37.0	570	29.2	7.6	<0.001	0.01	0.98	5.7	1.0	0.6	23.2	<0.01	0.04	4.1
DD015493		0.53	23.2	690	24.0	7.4	0.001	0.05	0.94	3.1	0.7	0.5	30.2	<0.01	0.04	1.1
DD015494		0.42	19.9	890	32.2	6.8	<0.001	0.06	3.76	2.5	0.6	0.4	21.9	<0.01	0.05	1.0
DD015495		0.12	15.8	1560	26.6	4.1	<0.001	0.03	2.36	2.7	0.8	0.2	44.0	<0.01	0.06	2.2
DD015496		0.37	25.5	750	24.8	9.2	<0.001	0.02	1.69	3.8	0.7	0.5	32.7	<0.01	0.06	2.4
DD015498		0.05	21.0	1310	27.2	3.7	<0.001	0.06	3.00	5.0	0.5	0.5	52.2	<0.01	0.10	4.7
DD015499		0.49	19.5	290	13.0	14.3	<0.001	0.01	0.50	2.7	0.4	0.5	8.2	<0.01	0.41	1.6
DD015500		0.52	15.9	800	16.3	5.6	<0.001	0.07	0.90	2.1	0.8	0.4	53.4	<0.01	0.03	0.7
DD015471		0.51	29.2	590	27.0	7.2	<0.001	0.02	1.02	4.7	0.9	0.5	23.1	<0.01	0.05	3.4
DD015472		0.45	28.0	550	22.2	7.3	<0.001	0.01	0.86	4.1	1.0	0.5	18.4	<0.01	0.04	2.6
DD015473		0.45	40.2	620	31.4	9.0	0.001	0.01	1.23	5.7	1.1	0.6	24.8	<0.01	0.05	4.7
DD015474		0.47	36.5	840	31.7	8.2	<0.001	0.02	1.54	5.1	1.1	0.5	24.8	<0.01	0.04	4.4
DD015475		0.44	38.4	580	30.3	9.9	0.001	0.02	1.18	6.2	0.8	0.7	26.6	<0.01	0.05	4.7
DD015476		0.55	39.3	560	26.1	10.4	<0.001	0.02	0.75	5.6	0.8	0.6	32.9	<0.01	0.04	3.8
DD015477		0.69	28.6	480	25.5	8.9	<0.001	0.02	0.86	4.3	1.0	0.6	22.9	<0.01	0.04	2.4



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 Plus Appendix Pages  
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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144361**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015337		<0.005	0.26	0.87	22	0.06	8.72	104	1.3
DD015338		<0.005	0.25	0.90	18	0.06	7.60	107	1.3
DD015478		0.007	0.15	0.83	36	0.09	7.47	100	2.1
DD015479		<0.005	0.37	1.96	16	0.10	17.25	63	1.9
DD015480		<0.005	0.64	2.59	9	0.11	12.95	14	1.2
DD015481		0.005	0.21	1.04	32	0.07	13.95	230	2.1
DD015482		<0.005	0.24	1.02	34	0.07	6.93	209	1.6
DD015483		0.005	0.39	1.37	27	0.11	14.30	62	2.8
DD015484		<0.005	0.24	0.66	7	<0.05	10.75	85	1.9
DD015485		<0.005	0.20	0.91	32	0.08	12.35	100	2.6
DD015486		0.010	0.15	0.67	27	0.13	6.46	84	2.7
DD000190		0.010	0.21	0.98	38	0.14	5.88	116	1.0
DD000191		0.011	0.30	1.36	21	0.11	8.71	68	1.0
DD000192		<0.005	0.14	1.02	10	<0.05	7.95	66	1.9
DD000193		0.010	0.17	0.88	16	<0.05	12.60	59	2.0
DD000194		<0.005	0.15	1.12	14	<0.05	7.64	79	2.1
DD000195		0.011	0.26	1.05	30	0.11	14.50	190	1.2
DD000196		0.009	0.24	1.21	19	0.10	14.90	196	0.9
DD000197		0.009	0.28	1.19	20	0.12	13.40	148	1.1
DD000198		0.008	0.40	1.71	26	0.15	17.35	172	2.3
DD000199		0.005	0.38	2.10	16	0.09	12.25	112	1.7
DD000200		<0.005	0.48	1.14	24	0.10	17.55	61	2.5
DD015491		0.005	0.28	0.92	32	0.05	12.10	157	1.8
DD015492		0.005	0.29	0.81	37	0.06	12.60	153	2.0
DD015493		0.007	0.14	2.06	34	0.09	11.10	116	1.1
DD015494		0.007	0.34	2.16	27	0.10	11.45	300	1.2
DD015495		<0.005	0.66	3.17	11	0.07	14.40	466	1.4
DD015496		0.006	1.23	1.42	27	0.07	10.25	1330	1.3
DD015498		<0.005	0.78	1.40	9	0.17	10.10	24	2.9
DD015499		0.011	0.17	0.53	24	0.12	3.10	72	<0.5
DD015500		0.009	0.14	1.06	25	0.11	8.05	71	1.2
DD015471		0.008	0.19	0.95	32	0.08	12.85	124	1.5
DD015472		0.006	0.16	0.83	30	0.09	10.95	111	1.3
DD015473		0.005	0.36	0.94	33	0.06	14.10	150	2.3
DD015474		0.007	0.33	0.95	31	0.05	12.60	198	2.1
DD015475		<0.005	0.30	0.87	33	0.05	12.35	143	2.3
DD015476		<0.005	0.21	0.92	33	<0.05	11.85	130	2.5
DD015477		0.010	0.16	1.00	36	0.16	12.75	108	1.3



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Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12144361**

<b>CERTIFICATE COMMENTS</b>	
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Applies to Method:	
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**Finalized Date: 14- JUL- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12148781**

Project: Crag East 3  
 P.O. No.:  
 This report is for 251 Soil samples submitted to our lab in Whitehorse, YT, Canada on 27- JUN- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160751		0.11	0.004	0.07	1.46	102.5	<0.2	<10	180	0.92	0.26	0.17	0.20	22.2	9.6	19
CC160752		0.18	0.003	0.10	0.96	71.2	<0.2	<10	180	1.39	0.39	0.43	0.14	19.40	16.1	18
CC160753		0.21	0.005	0.15	1.05	151.5	<0.2	<10	410	1.54	0.44	0.38	0.13	19.05	15.1	18
CC160754		0.23	0.003	0.11	1.16	111.0	<0.2	<10	240	1.21	0.34	0.53	0.29	17.45	13.4	20
CC160755		0.15	0.001	0.03	0.70	57.5	<0.2	<10	170	0.34	0.29	0.20	0.58	13.95	8.8	14
CC160756		0.18	0.002	0.04	1.16	106.0	<0.2	<10	140	0.64	0.32	0.19	0.38	13.20	11.1	22
CC160757		0.14	0.002	0.14	1.54	91.5	<0.2	<10	170	1.02	0.22	1.79	1.01	24.1	10.6	21
CC160758		0.15	0.002	0.10	0.49	116	<0.2	<10	60	0.69	0.09	14.05	0.29	7.60	5.0	7
CC160759		0.17	0.002	0.13	1.70	182.5	<0.2	<10	140	1.26	0.24	2.37	0.36	16.20	8.1	23
CC160760		0.21	0.003	0.16	1.43	165.5	<0.2	<10	210	1.16	0.23	2.14	0.19	20.5	8.8	22
CC160761		0.20	0.003	0.11	2.24	180.5	<0.2	<10	350	1.58	0.33	0.29	0.25	29.1	15.7	29
CC160762		0.20	0.003	0.15	1.05	212	<0.2	<10	260	1.00	0.22	5.49	0.49	17.40	9.5	15
CC160763		0.15	0.003	0.12	1.72	212	<0.2	<10	270	1.16	0.34	0.63	0.38	30.3	15.7	27
CC160764		0.20	0.004	0.14	1.17	203	<0.2	<10	140	1.02	0.29	3.44	0.18	16.05	13.1	17
CC160765		0.19	0.011	0.10	1.81	226	<0.2	<10	310	1.36	0.33	0.45	0.22	19.55	12.9	25
CC160766		0.18	0.002	0.09	1.49	247	<0.2	<10	170	1.02	0.21	6.46	0.20	14.40	8.0	18
CC160767		0.17	0.004	0.17	1.46	115.5	<0.2	<10	210	0.80	0.26	0.93	0.52	22.6	10.8	25
CC160768		0.25	0.003	0.15	1.21	305	<0.2	<10	210	1.11	0.32	1.42	0.58	18.05	15.1	19
CC160769		0.18	0.004	0.11	1.53	103.5	<0.2	<10	250	1.25	0.23	9.05	0.45	24.8	7.9	19
CC160770		0.14	0.002	0.09	0.62	59	<0.2	<10	110	0.45	0.08	12.95	1.36	18.50	3.7	8
CC160771		0.26	0.004	0.08	1.30	154.0	<0.2	<10	220	1.02	0.34	0.36	0.34	18.10	15.1	20
CC160772		0.15	0.012	0.08	0.35	123	<0.2	<10	60	0.43	0.04	15.75	0.31	6.40	2.1	5
CC160773		0.10	0.003	0.08	0.23	79	<0.2	<10	100	0.37	0.04	15.15	0.49	10.05	2.8	3
CC160774		0.10	0.005	0.16	1.62	131.5	<0.2	<10	310	1.38	0.21	1.90	1.20	28.4	9.5	21
CC160775		0.16	0.002	0.06	1.58	132.5	<0.2	<10	250	1.05	0.35	0.37	0.39	23.9	13.6	23
CC160776		0.20	0.002	0.07	1.52	64.0	<0.2	<10	230	0.79	0.29	0.04	0.12	14.20	10.7	23
CC160777		0.12	0.003	0.06	1.55	266	<0.2	<10	250	0.60	0.28	0.03	0.10	16.70	8.1	22
CC160778		0.25	0.002	0.17	1.38	78.3	<0.2	<10	390	1.24	0.34	0.64	0.29	21.4	15.3	24
CC160779		0.20	0.007	0.15	1.23	45.3	<0.2	<10	280	1.09	0.28	1.79	0.42	18.05	13.4	21
CC160780		0.23	0.003	0.08	1.53	64.2	<0.2	<10	260	1.08	0.31	0.31	0.16	20.7	13.3	25
CC160781		0.12	0.003	0.16	2.79	114.5	<0.2	<10	420	1.73	0.32	1.51	1.48	26.2	11.7	32
CC160782		0.18	0.001	0.04	1.77	40.1	<0.2	<10	120	0.65	0.30	0.41	0.31	16.65	9.7	23
CC160783		0.22	0.003	0.17	2.01	18.0	<0.2	<10	350	1.44	0.23	1.16	0.15	30.2	9.7	24
CC160784		0.14	0.001	0.07	1.35	55.1	<0.2	<10	120	0.73	0.23	0.22	0.08	21.3	7.6	20
CC160785		0.14	0.003	0.06	1.88	163.0	<0.2	<10	180	1.06	0.25	1.58	0.36	30.1	10.0	28
CC160786		0.19	0.004	0.13	0.38	139.0	<0.2	<10	100	0.91	0.37	3.02	0.16	14.80	10.1	7
CC160787		0.10	0.014	0.14	0.44	103.5	<0.2	<10	180	0.77	0.24	5.22	0.27	11.75	7.0	8
CC160788		0.20	0.003	0.26	0.92	47.9	<0.2	10	360	0.99	0.24	3.13	0.75	19.55	9.7	16
CC160789		0.17	0.004	0.22	0.84	38.3	<0.2	10	360	0.78	0.25	2.18	0.89	16.40	6.7	15
CC160790		0.15	0.006	0.25	0.90	40.5	<0.2	10	460	0.76	0.19	2.32	0.99	15.35	8.0	15

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160751		1.87	16.1	3.15	4.53	<0.05	0.05	0.79	0.034	0.05	8.4	11.2	0.18	739	0.98	<0.01
CC160752		2.14	36.6	3.92	3.40	0.09	0.06	0.52	0.034	0.09	9.7	8.2	0.25	738	0.80	0.01
CC160753		7.14	39.1	4.16	3.49	0.11	0.10	1.13	0.035	0.13	10.1	13.2	0.27	1500	0.81	0.01
CC160754		1.85	31.3	4.08	3.76	0.09	0.08	0.89	0.038	0.09	8.7	14.2	0.33	915	0.96	0.01
CC160755		3.28	12.8	3.14	3.72	0.07	<0.02	0.09	0.029	0.10	6.1	4.9	0.15	943	0.95	0.01
CC160756		1.79	20.9	4.05	4.32	0.07	0.02	0.37	0.033	0.09	5.7	14.5	0.29	841	1.33	0.01
CC160757		0.84	19.9	3.95	3.94	0.11	0.08	0.67	0.031	0.08	12.8	9.4	0.94	2630	0.70	0.02
CC160758		0.73	9.1	2.33	1.39	0.06	0.06	1.54	0.013	0.06	3.6	4.7	8.37	1440	0.48	0.03
CC160759		1.33	15.3	4.62	4.17	0.11	0.09	1.73	0.034	0.07	11.2	11.9	1.32	1220	0.93	0.02
CC160760		2.24	15.8	3.83	3.55	0.12	0.10	2.98	0.032	0.05	11.8	7.9	1.14	1660	0.58	0.02
CC160761		1.83	26.3	4.89	5.47	0.12	0.10	2.65	0.048	0.07	12.9	18.2	0.38	1620	1.23	0.02
CC160762		3.87	23.7	3.47	2.94	0.09	0.07	1.43	0.030	0.06	9.1	12.6	3.31	1270	0.88	0.02
CC160763		2.94	26.4	4.72	4.73	0.12	0.08	1.51	0.040	0.08	12.7	16.2	0.53	1790	1.20	0.02
CC160764		0.94	26.2	3.78	3.38	0.10	0.09	1.82	0.035	0.07	8.0	11.3	2.10	1300	1.02	0.01
CC160765		1.58	29.7	4.79	5.00	0.11	0.10	1.92	0.041	0.07	11.4	14.4	0.39	1290	1.08	0.01
CC160766		1.31	13.2	3.42	3.83	0.08	0.09	1.09	0.030	0.06	8.9	11.6	4.21	1400	0.79	0.02
CC160767		0.82	19.9	3.33	4.42	0.10	0.06	0.67	0.033	0.06	10.7	15.7	0.55	947	0.87	0.02
CC160768		0.82	26.7	4.30	3.62	0.12	0.09	2.26	0.039	0.08	9.1	12.0	0.84	1480	1.11	0.02
CC160769		1.31	14.1	3.86	3.37	0.13	0.12	1.41	0.032	0.05	17.1	11.3	5.16	2180	0.72	0.03
CC160770		0.57	7.4	2.68	1.42	0.10	0.05	0.61	0.014	0.02	11.1	3.9	7.51	2690	0.35	0.02
CC160771		1.49	29.1	4.10	3.85	0.08	0.06	2.53	0.038	0.06	5.8	14.2	0.33	1070	1.23	0.01
CC160772		0.34	4.4	2.43	0.97	0.06	0.03	0.27	0.008	0.02	3.2	2.8	9.41	1600	0.34	0.03
CC160773		0.30	6.2	3.02	0.74	0.07	0.06	0.74	0.009	0.03	5.1	1.2	8.64	2350	0.31	0.03
CC160774		1.03	11.7	5.21	4.28	0.12	0.09	2.65	0.033	0.06	13.1	11.1	1.00	3500	0.84	0.02
CC160775		1.15	16.6	4.09	4.85	0.08	0.06	0.94	0.037	0.09	8.8	13.0	0.38	1440	1.10	0.02
CC160776		3.07	17.9	3.69	4.54	0.06	<0.02	1.23	0.036	0.07	6.1	20.6	0.29	439	1.46	0.01
CC160777		3.21	14.9	3.31	5.20	0.06	0.02	0.28	0.030	0.05	7.7	14.9	0.23	309	1.19	0.01
CC160778		1.09	37.6	3.86	4.43	0.11	0.09	0.53	0.041	0.10	9.2	20.4	0.36	823	1.67	0.02
CC160779		1.15	32.2	3.53	3.74	0.10	0.06	1.80	0.036	0.09	8.2	16.5	1.07	761	1.52	0.02
CC160780		1.17	25.8	3.98	4.42	0.09	0.05	1.36	0.037	0.06	7.8	16.1	0.38	766	1.55	0.02
CC160781		1.65	18.1	4.93	5.97	0.14	0.10	0.96	0.055	0.07	13.2	27.0	0.81	1510	1.14	0.01
CC160782		1.24	9.3	3.83	5.73	0.08	0.04	0.15	0.032	0.05	6.7	21.1	0.42	477	1.09	0.01
CC160783		2.55	17.1	3.14	4.67	0.10	0.07	0.59	0.042	0.07	10.2	15.3	0.19	261	1.02	0.02
CC160784		1.75	9.0	2.76	4.33	0.08	0.04	0.17	0.031	0.07	8.6	13.8	0.22	234	0.64	0.01
CC160785		0.99	8.9	3.91	5.34	0.11	0.07	0.21	0.034	0.05	13.0	14.4	0.99	1380	0.84	0.02
CC160786		4.95	17.2	2.96	1.08	0.08	0.05	18.40	0.026	0.07	6.0	2.7	1.47	547	0.53	0.02
CC160787		4.10	15.2	2.56	1.24	0.07	0.05	1.38	0.022	0.07	4.5	3.7	2.55	788	0.69	0.02
CC160788		2.08	30.4	3.01	2.76	0.11	0.07	0.56	0.031	0.13	9.6	10.3	1.15	428	2.35	0.02
CC160789		1.66	22.7	2.69	2.64	0.10	0.07	0.58	0.026	0.12	6.7	9.5	0.51	138	1.54	0.01
CC160790		1.28	25.4	2.65	2.72	0.09	0.07	0.41	0.026	0.12	7.0	9.6	0.43	369	1.59	0.01

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





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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160751		0.52	20.8	380	30.5	11.2	<0.001	0.02	1.33	4.2	0.4	0.6	11.4	<0.01	0.04	3.0
CC160752		0.29	29.7	300	22.9	9.9	<0.001	<0.01	0.88	5.4	0.6	0.6	24.1	<0.01	0.04	3.2
CC160753		0.26	33.3	310	30.8	33.3	<0.001	<0.01	1.60	6.1	0.8	0.6	19.8	<0.01	0.06	4.6
CC160754		0.32	29.9	440	32.0	11.4	<0.001	0.01	1.29	5.2	0.7	0.5	20.8	<0.01	0.05	2.5
CC160755		0.50	12.5	390	20.4	38.3	<0.001	<0.01	0.72	2.5	<0.2	0.5	9.6	<0.01	0.05	1.6
CC160756		0.61	21.3	410	29.5	19.8	<0.001	<0.01	1.51	3.1	0.3	0.5	9.4	<0.01	0.05	2.0
CC160757		0.36	21.9	1100	37.3	8.3	<0.001	0.05	1.57	3.6	1.0	0.5	15.8	0.01	0.09	1.1
CC160758		0.17	9.5	740	23.6	5.5	<0.001	0.02	1.23	2.1	0.4	0.2	65.6	<0.01	0.04	0.9
CC160759		0.41	21.3	810	39.5	12.6	<0.001	0.02	2.31	5.3	0.9	0.5	24.1	0.01	0.08	2.0
CC160760		0.20	22.6	420	60.3	9.3	<0.001	<0.01	2.88	7.7	0.9	0.5	16.0	0.01	0.05	3.6
CC160761		0.37	34.1	460	80.5	14.8	<0.001	<0.01	2.48	6.9	0.8	0.7	13.1	0.01	0.06	4.6
CC160762		0.29	22.4	710	32.5	12.4	<0.001	0.03	2.33	4.3	1.4	0.4	47.9	<0.01	0.06	1.4
CC160763		0.51	32.0	640	45.1	17.1	<0.001	0.01	2.46	5.4	1.0	0.6	18.7	0.01	0.07	2.6
CC160764		0.23	28.8	460	43.1	9.0	<0.001	<0.01	2.79	6.3	0.9	0.4	19.7	<0.01	0.06	2.8
CC160765		0.34	29.2	400	43.5	14.9	<0.001	<0.01	2.67	8.2	0.9	0.6	10.1	0.01	0.07	4.2
CC160766		0.39	17.7	510	29.4	12.2	<0.001	<0.01	2.52	5.3	0.5	0.5	30.7	<0.01	0.04	2.5
CC160767		0.62	25.0	950	24.2	9.9	<0.001	0.03	1.42	3.4	0.7	0.4	14.7	0.01	0.06	1.3
CC160768		0.32	30.6	460	52.2	7.3	<0.001	0.01	2.90	6.2	1.0	0.5	13.0	0.01	0.07	2.4
CC160769		0.31	19.0	720	33.6	9.5	<0.001	0.01	1.93	7.7	1.0	0.4	29.9	0.01	0.08	3.4
CC160770		0.20	7.9	940	16.9	5.6	<0.001	0.02	1.52	2.1	0.7	0.2	28.5	0.01	0.05	0.5
CC160771		0.35	28.1	320	52.8	11.3	<0.001	<0.01	2.68	5.1	0.5	0.5	9.9	<0.01	0.05	3.6
CC160772		0.19	4.9	530	6.3	3.7	<0.001	0.01	1.37	1.2	0.6	<0.2	57.4	<0.01	0.02	0.3
CC160773		0.13	4.9	1160	12.5	4.2	<0.001	0.04	2.38	1.1	0.4	<0.2	56.6	<0.01	0.03	0.4
CC160774		0.49	18.9	770	36.2	11.3	<0.001	0.02	3.41	5.9	0.7	0.4	16.1	0.01	0.06	2.3
CC160775		0.59	22.6	310	43.4	14.2	<0.001	<0.01	2.98	5.5	0.5	0.6	9.8	<0.01	0.06	3.4
CC160776		0.57	22.3	280	27.6	13.9	<0.001	<0.01	1.21	3.0	0.3	0.5	7.4	<0.01	0.04	2.5
CC160777		0.85	17.7	210	19.9	11.5	<0.001	<0.01	0.80	3.3	0.2	0.6	6.7	<0.01	0.04	3.1
CC160778		0.46	38.3	560	29.1	10.8	<0.001	<0.01	0.95	6.7	0.9	0.5	28.0	<0.01	0.06	4.4
CC160779		0.40	36.0	640	27.6	9.2	<0.001	<0.01	1.28	6.0	1.0	0.5	27.4	<0.01	0.04	3.6
CC160780		0.38	30.8	230	30.0	10.9	<0.001	<0.01	1.26	5.2	0.6	0.5	11.9	<0.01	0.06	4.5
CC160781		0.51	31.5	1280	30.7	19.5	<0.001	0.01	2.55	7.2	0.8	0.7	15.0	0.01	0.06	3.7
CC160782		0.76	18.5	220	28.0	16.0	<0.001	<0.01	0.73	3.3	0.2	0.7	7.9	<0.01	0.04	2.8
CC160783		0.37	30.8	290	22.5	11.6	<0.001	<0.01	0.38	5.7	0.8	0.6	63.3	<0.01	0.04	4.6
CC160784		0.60	17.6	200	21.3	9.9	<0.001	<0.01	0.55	3.4	0.2	0.5	14.5	<0.01	0.03	3.6
CC160785		0.75	22.1	360	32.8	6.2	<0.001	0.01	2.04	5.0	0.6	0.6	15.0	0.01	0.04	3.1
CC160786		0.13	24.1	380	46.3	5.2	<0.001	0.01	2.94	4.4	0.6	0.3	32.9	<0.01	0.03	3.3
CC160787		0.17	18.4	470	31.4	6.7	<0.001	0.04	2.40	2.7	0.7	0.3	45.0	<0.01	0.04	0.9
CC160788		0.35	32.7	870	22.4	8.8	0.001	0.07	1.37	4.0	1.7	0.5	53.7	<0.01	0.05	1.5
CC160789		0.35	25.2	600	18.4	11.6	0.002	0.09	1.07	3.4	2.0	0.4	55.3	<0.01	0.04	1.7
CC160790		0.34	27.1	690	16.1	12.9	0.004	0.11	1.11	3.2	2.9	0.4	56.7	<0.01	0.04	1.1

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160751		0.005	0.27	0.81	35	0.10	7.00	88	1.3
CC160752		0.005	0.19	0.96	26	0.07	10.65	112	1.6
CC160753		<0.005	0.28	0.97	24	0.06	14.65	169	2.4
CC160754		0.005	0.24	0.92	31	0.07	9.28	151	1.7
CC160755		0.013	0.12	0.48	32	0.09	2.22	159	<0.5
CC160756		0.011	0.20	0.55	40	0.19	2.56	182	0.6
CC160757		0.009	0.21	0.87	36	0.10	13.50	252	1.6
CC160758		<0.005	0.51	1.55	11	0.06	7.16	148	1.8
CC160759		0.006	0.33	2.01	38	0.13	14.25	232	1.9
CC160760		<0.005	0.83	1.50	29	0.13	15.95	143	2.2
CC160761		<0.005	0.41	1.26	44	0.10	12.45	215	2.2
CC160762		<0.005	0.36	1.30	26	0.09	12.05	261	1.3
CC160763		0.009	0.43	1.54	43	0.15	11.40	208	1.6
CC160764		<0.005	0.31	0.88	29	0.08	14.20	179	2.0
CC160765		<0.005	0.36	1.61	39	0.10	14.55	175	2.1
CC160766		<0.005	0.43	1.64	33	0.11	11.60	116	1.3
CC160767		0.016	0.19	1.50	39	0.12	8.49	146	1.4
CC160768		0.005	0.42	1.42	33	0.09	14.20	367	1.8
CC160769		<0.005	0.33	2.99	29	0.13	18.80	138	2.3
CC160770		0.006	0.18	2.22	14	0.08	13.35	243	0.9
CC160771		<0.005	0.38	0.79	34	0.08	4.87	195	1.5
CC160772		<0.005	0.73	1.30	8	0.05	6.39	39	0.7
CC160773		<0.005	0.45	1.38	6	0.06	8.91	110	1.6
CC160774		0.008	0.61	1.63	39	0.17	11.30	333	1.9
CC160775		0.010	0.41	1.21	44	0.13	6.59	233	1.6
CC160776		0.007	0.29	0.53	44	0.13	2.34	95	<0.5
CC160777		0.009	0.36	0.58	50	0.14	2.07	68	0.8
CC160778		0.006	0.21	0.83	40	0.09	11.50	128	2.1
CC160779		0.006	0.30	0.94	36	0.08	11.50	139	1.5
CC160780		0.005	0.34	1.21	41	0.09	5.81	144	1.5
CC160781		<0.005	0.31	2.61	44	0.13	13.20	350	2.1
CC160782		0.007	0.20	0.55	47	0.15	2.85	114	1.2
CC160783		<0.005	0.22	1.54	36	0.07	9.24	104	2.3
CC160784		0.006	0.13	0.58	37	0.10	4.65	61	1.3
CC160785		0.011	0.36	0.64	52	0.19	10.40	174	1.6
CC160786		<0.005	0.63	0.53	9	0.11	8.47	101	1.3
CC160787		<0.005	0.32	0.93	12	0.08	7.02	118	1.2
CC160788		<0.005	0.27	1.51	42	0.09	11.75	161	1.5
CC160789		<0.005	0.30	0.95	37	0.26	8.65	141	1.8
CC160790		<0.005	0.20	1.32	39	0.07	9.79	163	1.8



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160791		0.19	0.004	0.26	0.99	32.0	<0.2	10	520	0.83	0.20	2.49	1.09	16.10	9.0	17
DD015351		0.29	0.001	0.05	1.70	87.6	<0.2	<10	250	0.95	0.29	0.23	0.12	22.0	10.2	20
DD015352		0.18	0.003	0.06	1.73	114.0	<0.2	<10	250	1.47	0.34	0.11	0.22	28.1	14.9	22
DD015353		0.13	0.003	0.10	1.75	108.5	<0.2	<10	390	1.65	0.32	0.31	0.33	32.5	14.0	24
DD015354		0.11	0.003	0.18	0.83	102.0	<0.2	<10	100	0.81	0.19	2.27	0.30	19.10	5.8	15
DD015355		0.11	0.004	0.17	0.61	38.2	<0.2	<10	80	0.64	0.15	3.61	0.25	25.9	5.4	12
DD015356		0.22	0.003	0.09	1.43	68.1	<0.2	<10	350	0.93	0.29	0.88	0.15	22.0	10.6	21
DD015357		0.21	0.003	0.19	1.30	115.0	<0.2	<10	260	1.10	0.30	0.70	0.38	25.9	12.6	21
DD015358		0.20	0.006	0.21	1.65	63.4	<0.2	<10	280	0.87	0.26	0.55	0.78	33.1	10.9	29
DD015359		0.17	0.003	0.11	2.11	96.9	<0.2	<10	260	1.29	0.28	0.42	0.23	37.8	8.5	30
DD015360		0.18	0.002	0.18	1.43	227	<0.2	<10	150	1.07	0.23	4.38	0.54	21.8	7.1	19
DD015361		0.18	0.002	0.16	1.68	150.0	<0.2	<10	260	1.03	0.26	0.69	0.34	19.10	8.1	25
DD015362		0.17	0.002	0.04	1.44	113.0	<0.2	<10	150	0.49	0.32	0.07	0.18	22.3	7.0	20
DD015363		0.16	0.002	0.10	1.57	247	<0.2	<10	180	1.31	0.30	0.17	0.18	21.3	9.8	20
DD015364		0.20	0.003	0.18	2.11	221	<0.2	<10	300	1.37	0.27	0.30	0.34	35.4	10.6	31
DD015365		0.20	0.003	0.15	1.00	187.0	<0.2	<10	270	0.94	0.24	2.98	0.50	28.1	9.6	16
DD015366		0.13	0.002	0.14	1.82	102.0	<0.2	<10	250	0.81	0.27	0.75	0.36	23.7	7.7	27
DD015367		0.17	0.003	0.20	1.82	76.3	<0.2	<10	270	0.99	0.24	2.20	0.51	33.4	9.1	26
DD015368		0.21	0.003	0.16	1.58	299	<0.2	<10	190	0.98	0.21	3.38	0.22	17.65	6.5	21
DD015369		0.19	0.002	0.11	2.00	205	<0.2	<10	320	0.99	0.27	0.35	0.20	27.8	8.3	28
DD015370		0.25	0.004	0.21	1.52	352	<0.2	<10	210	1.11	0.27	2.14	0.48	21.0	10.3	22
DD015371		0.11	0.005	0.18	1.81	378	<0.2	<10	230	1.20	0.30	0.86	2.03	20.5	11.3	26
DD015372		0.17	0.002	0.13	0.46	319	<0.2	<10	110	0.46	0.06	14.40	0.54	11.25	2.9	7
DD015373		0.16	0.005	0.23	1.51	307	<0.2	<10	230	1.04	0.27	1.31	0.69	23.8	10.1	22
DD015374		0.15	0.001	0.06	1.77	91.5	<0.2	<10	230	0.39	0.27	0.26	0.30	18.75	5.6	26
DD015375		0.19	0.013	0.14	1.11	172.5	<0.2	<10	130	0.74	0.20	5.55	0.77	14.40	6.7	15
DD015376		0.13	0.007	0.31	1.95	337	<0.2	<10	320	1.63	0.15	7.89	1.18	29.2	8.0	23
DD015377		0.17	0.001	0.04	1.62	60.7	<0.2	<10	190	0.45	0.29	0.11	0.25	21.0	6.7	22
DD015378		0.15	0.002	0.13	1.14	76.1	<0.2	<10	230	0.60	0.24	2.02	0.80	13.80	7.2	17
DD015379		0.12	0.005	0.24	1.40	130.0	<0.2	<10	310	0.90	0.30	1.24	1.22	34.0	12.7	22
DD015380		0.15	0.002	0.08	1.18	38.3	<0.2	<10	220	0.41	0.28	0.27	0.30	16.55	5.5	19
DD015381		0.13	0.003	0.05	1.75	28.9	<0.2	<10	220	0.72	0.27	0.11	0.19	34.2	11.2	28
DD015382		0.17	0.003	0.14	1.58	66.3	<0.2	<10	560	0.79	0.25	0.50	0.14	28.5	10.2	28
DD015383		0.08	0.007	0.18	1.18	56.0	<0.2	<10	360	0.63	0.21	1.39	0.36	19.45	9.8	20
DD015384		0.21	0.003	0.10	1.63	56.5	<0.2	<10	330	0.87	0.27	0.30	0.34	24.1	10.5	25
DD015385		0.18	0.003	0.09	1.89	25.9	<0.2	<10	270	0.70	0.28	0.48	0.32	24.9	9.7	28
DD015386		0.12	0.006	0.18	0.91	36	<0.2	<10	150	0.70	0.18	10.45	0.42	21.4	8.7	14
DD015387		0.08	0.003	0.22	1.46	27.8	<0.2	<10	450	0.68	0.21	1.46	1.34	21.9	9.1	24
DD015388		0.12	0.005	0.16	2.96	45.6	<0.2	<10	300	1.89	0.23	0.17	0.56	45.1	14.6	44
DD015389		0.13	0.004	0.07	1.21	27.3	<0.2	<10	210	0.42	0.25	1.01	1.06	18.95	7.5	20

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



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160791		0.98	28.7	2.86	2.87	0.09	0.08	0.37	0.029	0.13	8.6	11.6	0.60	445	1.83	0.02
DD015351		4.36	17.4	3.70	4.97	0.09	0.04	0.79	0.036	0.06	8.5	12.2	0.22	804	0.88	0.01
DD015352		2.42	25.8	4.69	4.64	0.12	0.06	0.95	0.039	0.07	10.3	13.9	0.25	1160	1.06	0.01
DD015353		1.46	21.4	4.53	4.19	0.13	0.08	1.04	0.037	0.10	14.2	12.6	0.27	1460	2.59	0.01
DD015354		2.88	15.7	2.82	2.32	0.11	0.07	1.46	0.025	0.07	10.0	4.7	0.18	507	0.58	0.02
DD015355		3.11	11.4	2.31	1.70	0.09	0.05	0.96	0.023	0.06	10.4	3.5	1.05	616	0.42	0.01
DD015356		2.88	20.6	3.97	4.32	0.10	0.07	0.43	0.033	0.08	9.1	11.5	0.27	1130	0.87	0.01
DD015357		2.32	26.9	4.46	3.91	0.12	0.07	0.94	0.033	0.09	12.0	13.7	0.35	1520	0.97	0.01
DD015358		3.04	13.9	3.30	4.75	0.11	0.10	0.44	0.032	0.08	15.4	36.8	0.47	155	0.62	0.01
DD015359		3.08	14.8	4.42	5.78	0.13	0.05	0.51	0.037	0.06	15.2	16.0	0.47	1060	1.06	0.01
DD015360		1.67	13.5	4.38	3.28	0.13	0.07	2.08	0.031	0.06	14.6	10.3	2.63	1490	0.75	0.02
DD015361		1.38	15.9	4.12	4.81	0.11	0.06	0.81	0.036	0.08	11.9	14.8	0.43	608	0.89	0.01
DD015362		3.13	13.0	4.03	5.44	0.09	0.02	0.24	0.030	0.06	9.9	12.8	0.19	509	1.21	0.01
DD015363		4.47	22.2	4.51	3.83	0.11	0.07	1.90	0.035	0.07	7.4	11.3	0.18	890	0.72	0.01
DD015364		3.11	18.0	5.08	4.63	0.14	0.10	2.21	0.043	0.06	15.4	14.6	0.34	1200	0.96	0.01
DD015365		1.54	19.1	5.50	2.54	0.19	0.11	1.75	0.037	0.06	18.5	7.5	1.60	3350	0.56	0.01
DD015366		1.64	12.5	3.70	5.35	0.11	0.06	0.75	0.030	0.06	11.6	13.5	0.48	953	0.85	0.01
DD015367		1.55	17.7	4.24	4.95	0.14	0.08	0.84	0.034	0.06	19.6	11.7	1.11	1940	0.70	0.02
DD015368		1.47	14.4	4.49	4.40	0.12	0.07	2.26	0.029	0.06	10.3	11.0	2.05	1270	0.74	0.01
DD015369		1.71	11.9	4.23	5.84	0.12	0.06	1.54	0.035	0.05	14.4	14.6	0.35	994	0.89	0.01
DD015370		1.38	20.1	4.47	3.96	0.13	0.07	2.72	0.032	0.07	11.6	11.8	1.20	1420	0.84	0.01
DD015371		1.24	19.8	5.11	4.80	0.13	0.10	3.39	0.035	0.07	13.1	13.9	0.40	1540	0.91	0.01
DD015372		0.74	6.6	2.34	1.26	0.08	0.05	3.00	0.009	0.03	5.8	3.5	8.50	2380	0.45	0.02
DD015373		0.92	17.5	4.69	4.06	0.12	0.08	4.59	0.032	0.06	14.0	12.1	0.79	1640	0.93	0.01
DD015374		1.65	8.7	3.40	6.28	0.09	0.02	0.95	0.028	0.05	8.7	14.4	0.34	594	1.09	0.01
DD015375		0.91	14.4	2.95	3.08	0.08	0.05	1.91	0.024	0.07	8.5	9.1	3.44	934	0.63	0.02
DD015376		1.78	10.9	5.44	3.38	0.15	0.12	6.50	0.031	0.05	17.4	12.8	4.33	3540	0.92	0.02
DD015377		1.65	9.3	3.76	5.80	0.09	0.02	0.53	0.031	0.05	9.7	17.0	0.30	366	1.13	0.01
DD015378		1.02	14.7	3.09	3.62	0.08	0.04	0.85	0.028	0.07	6.2	9.4	0.94	879	0.76	0.02
DD015379		1.09	19.1	5.42	3.88	0.13	0.08	2.75	0.035	0.07	13.5	11.3	0.37	2420	0.91	0.01
DD015380		3.87	9.7	2.80	5.02	0.07	0.02	1.73	0.025	0.06	7.7	9.4	0.18	330	1.07	0.01
DD015381		2.51	17.9	3.41	4.85	0.11	0.04	0.38	0.029	0.07	15.2	15.9	0.41	473	1.20	0.01
DD015382		2.69	18.3	3.22	4.48	0.11	0.05	0.77	0.028	0.07	13.7	16.2	0.50	491	1.14	0.01
DD015383		3.70	14.7	2.56	3.68	0.09	0.04	0.81	0.024	0.06	8.8	12.5	0.41	676	0.93	0.01
DD015384		7.70	17.2	3.58	5.30	0.09	0.04	0.85	0.030	0.06	11.2	18.6	0.37	587	1.36	0.01
DD015385		2.11	11.8	3.28	5.92	0.09	0.04	0.60	0.028	0.05	12.6	18.6	0.48	686	1.00	0.01
DD015386		1.47	12.7	2.38	2.30	0.10	0.08	0.70	0.017	0.04	14.7	6.6	5.83	1500	0.52	0.02
DD015387		0.87	17.6	2.86	4.32	0.09	0.05	0.58	0.027	0.05	11.3	14.2	0.51	774	0.95	0.01
DD015388		1.82	13.8	5.19	6.79	0.13	0.11	2.05	0.050	0.07	13.9	27.0	0.49	1720	1.48	0.01
DD015389		0.81	10.2	2.93	4.39	0.08	0.03	0.32	0.022	0.07	9.3	14.3	0.57	531	0.96	0.01



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160791		0.37	30.4	800	16.3	11.1	0.002	0.10	1.10	3.4	2.8	0.4	63.4	<0.01	0.05	1.2
DD015351		0.52	20.0	390	31.1	10.4	<0.001	0.01	0.56	3.5	0.4	0.7	12.8	<0.01	0.04	2.4
DD015352		0.40	31.8	330	31.5	11.7	<0.001	0.01	0.78	5.0	0.8	0.7	9.4	<0.01	0.04	3.4
DD015353		0.55	29.0	480	34.5	9.7	<0.001	0.02	0.84	6.2	0.8	0.7	15.1	<0.01	0.04	4.2
DD015354		0.35	17.3	1380	43.9	6.4	<0.001	0.14	1.63	2.1	1.2	0.4	58.6	0.01	0.04	0.6
DD015355		0.28	15.7	1010	42.2	4.8	<0.001	0.08	0.92	2.2	1.0	0.3	73.5	<0.01	0.03	0.8
DD015356		0.55	22.2	760	26.0	12.7	<0.001	0.05	0.78	3.2	0.8	0.6	41.5	<0.01	0.05	1.4
DD015357		0.51	26.3	810	46.4	14.5	<0.001	0.06	1.53	4.2	0.9	0.6	23.6	0.01	0.05	1.4
DD015358		1.40	21.9	500	19.9	12.3	0.001	0.16	0.35	5.1	0.9	0.6	17.4	<0.01	0.03	3.1
DD015359		0.77	25.8	870	36.0	12.0	<0.001	0.04	1.01	3.7	0.8	0.7	10.2	<0.01	0.05	1.4
DD015360		0.43	18.4	970	34.5	11.6	<0.001	0.05	1.59	5.1	1.0	0.5	21.7	0.01	0.05	1.5
DD015361		0.70	23.9	700	23.9	11.0	<0.001	0.04	1.25	4.7	0.9	0.6	11.8	<0.01	0.05	1.7
DD015362		1.18	15.1	310	23.9	13.3	<0.001	0.01	0.87	2.8	0.4	0.8	9.8	<0.01	0.05	2.6
DD015363		0.49	20.9	670	26.9	11.2	<0.001	0.03	1.34	4.5	0.7	0.6	11.9	<0.01	0.06	2.2
DD015364		0.60	30.4	660	37.9	12.1	<0.001	0.03	1.72	6.2	0.9	0.6	10.5	<0.01	0.05	3.3
DD015365		0.32	21.9	900	32.1	8.6	<0.001	0.04	1.98	6.9	1.2	0.4	20.1	0.01	0.06	2.4
DD015366		0.74	18.2	1470	23.2	11.7	<0.001	0.08	1.09	2.9	0.7	0.6	12.9	0.01	0.04	1.0
DD015367		0.63	20.0	1300	25.6	10.4	<0.001	0.07	1.09	4.2	1.2	0.6	17.9	0.01	0.05	0.9
DD015368		0.54	19.8	730	34.0	9.5	<0.001	0.03	2.03	4.7	0.9	0.6	19.0	0.01	0.04	2.0
DD015369		0.87	20.0	580	31.4	10.3	<0.001	0.02	1.69	4.6	0.7	0.7	11.6	<0.01	0.05	2.4
DD015370		0.46	25.8	750	52.1	10.9	<0.001	0.04	3.45	4.6	1.0	0.6	19.7	<0.01	0.05	2.1
DD015371		0.46	25.9	750	52.2	9.0	<0.001	0.04	3.15	5.4	1.0	0.6	17.6	0.01	0.06	2.0
DD015372		0.23	10.3	1290	43.4	5.1	<0.001	0.03	5.64	1.8	0.6	0.2	56.2	<0.01	0.02	0.9
DD015373		0.57	25.5	530	49.4	7.1	<0.001	0.03	3.16	4.6	1.1	0.5	13.2	0.01	0.05	2.3
DD015374		1.06	13.6	450	25.0	9.7	<0.001	0.02	0.95	2.6	0.4	0.8	9.4	<0.01	0.04	1.6
DD015375		0.50	16.1	820	32.3	9.0	<0.001	0.04	1.67	3.3	0.8	0.5	32.3	<0.01	0.04	1.1
DD015376		0.44	22.8	2430	53.6	9.1	<0.001	0.06	2.59	5.5	1.4	0.5	45.2	0.01	0.06	1.9
DD015377		1.09	16.2	280	88.9	11.7	<0.001	0.01	0.69	2.8	0.3	0.8	7.8	<0.01	0.04	2.3
DD015378		0.54	17.5	610	34.3	13.6	<0.001	0.04	1.21	2.8	0.7	0.6	16.2	<0.01	0.04	1.0
DD015379		0.61	23.6	840	213	7.8	<0.001	0.05	3.16	5.0	1.0	0.6	26.6	0.01	0.06	1.9
DD015380		0.80	12.2	510	23.3	9.8	<0.001	0.02	0.60	2.2	0.4	0.7	11.5	<0.01	0.04	1.4
DD015381		1.34	22.7	290	18.3	12.0	<0.001	0.01	0.90	3.5	0.5	0.7	9.6	<0.01	0.04	4.1
DD015382		1.02	28.5	610	15.1	9.4	<0.001	0.02	0.80	4.4	0.7	0.6	24.0	<0.01	0.04	2.8
DD015383		0.79	18.1	790	14.2	8.9	<0.001	0.08	0.60	3.2	0.9	0.4	53.8	<0.01	0.04	1.2
DD015384		0.87	22.4	400	23.7	13.3	<0.001	0.01	0.78	3.7	0.6	0.7	19.7	<0.01	0.04	2.3
DD015385		1.03	19.2	410	21.2	10.7	<0.001	0.02	0.52	3.8	0.5	0.8	13.3	<0.01	0.04	2.3
DD015386		0.29	14.4	850	29.2	4.7	<0.001	0.04	2.16	3.9	0.9	0.4	24.2	0.01	0.08	1.8
DD015387		0.83	22.3	800	14.3	8.6	<0.001	0.07	0.90	3.0	1.0	0.5	29.5	<0.01	0.04	1.2
DD015388		0.81	34.2	390	21.1	12.5	<0.001	0.02	0.91	5.7	0.9	0.8	7.7	<0.01	0.05	5.4
DD015389		0.94	15.1	330	15.2	10.8	<0.001	0.02	0.65	2.8	0.4	0.6	12.5	<0.01	0.04	2.3



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160791		<0.005	0.20	1.26	45	0.07	10.60	163	1.7
DD015351		0.005	0.34	0.61	36	0.09	3.91	110	0.8
DD015352		<0.005	0.30	0.88	35	0.08	7.04	197	1.2
DD015353		0.005	0.26	1.44	33	0.11	9.76	143	1.5
DD015354		0.006	0.49	2.55	19	0.11	10.45	126	1.7
DD015355		0.006	0.14	1.20	16	0.08	9.33	104	1.3
DD015356		0.009	0.21	1.00	34	0.11	5.98	95	1.5
DD015357		0.010	0.28	1.23	34	0.12	10.30	174	1.2
DD015358		0.028	0.18	1.45	48	0.20	9.08	135	2.4
DD015359		0.014	0.23	1.25	50	0.18	9.25	149	0.8
DD015360		0.007	0.37	1.51	29	0.13	17.90	252	1.0
DD015361		0.008	0.24	1.45	41	0.15	10.55	184	1.2
DD015362		0.017	0.26	0.52	49	0.17	2.40	103	0.6
DD015363		0.005	0.43	0.99	30	0.13	6.94	145	1.2
DD015364		<0.005	0.40	1.44	40	0.12	11.75	195	2.0
DD015365		<0.005	0.55	1.17	25	0.12	22.3	165	1.7
DD015366		0.016	0.27	1.46	47	0.19	6.87	170	1.1
DD015367		0.015	0.23	1.43	46	0.15	18.70	130	1.1
DD015368		0.007	0.42	1.46	35	0.15	11.90	200	1.4
DD015369		0.013	0.44	1.44	51	0.21	8.53	190	1.1
DD015370		0.007	0.52	1.75	34	0.13	10.90	263	1.3
DD015371		0.005	0.52	1.73	39	0.14	15.55	602	1.7
DD015372		<0.005	0.45	1.89	9	0.08	6.75	244	1.1
DD015373		0.008	0.41	1.14	35	0.13	12.75	309	1.6
DD015374		0.019	0.28	0.62	56	0.28	2.49	172	<0.5
DD015375		0.008	0.39	1.15	26	0.11	9.35	330	0.9
DD015376		<0.005	0.65	3.25	28	0.15	23.2	825	1.9
DD015377		0.013	0.27	0.48	51	0.17	2.54	117	0.5
DD015378		0.011	0.18	1.09	33	0.10	5.88	210	0.8
DD015379		0.009	0.55	0.89	37	0.16	11.15	520	1.3
DD015380		0.011	0.19	0.62	50	0.19	2.54	88	<0.5
DD015381		0.027	0.18	0.78	51	0.25	4.00	78	1.1
DD015382		0.024	0.16	0.89	48	0.25	7.13	97	0.9
DD015383		0.014	0.13	1.29	35	0.17	6.05	76	1.0
DD015384		0.013	0.22	1.08	48	0.15	5.55	110	0.7
DD015385		0.019	0.21	1.09	56	0.18	4.52	247	0.8
DD015386		<0.005	0.60	1.49	21	0.12	14.20	55	1.4
DD015387		0.020	0.15	1.64	39	0.16	8.08	145	1.0
DD015388		0.006	0.39	1.20	71	0.12	7.56	103	2.9
DD015389		0.021	0.15	0.78	43	0.16	3.17	103	0.8



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015390		0.18	0.005	0.32	1.20	44.2	<0.2	<10	240	0.61	0.23	1.18	0.33	21.5	9.0	20
DD015391		0.06	0.004	0.12	0.72	36.8	<0.2	10	130	0.67	0.15	2.26	0.26	22.6	5.8	10
DD015392		0.08	0.012	0.17	1.40	95.1	<0.2	<10	370	1.20	0.16	5.46	1.06	18.75	9.1	17
DD015393		0.09	0.003	0.13	0.97	311	<0.2	<10	300	0.71	0.13	9.26	1.33	15.75	12.8	13
DD015394		0.28	0.005	0.36	1.23	33.0	<0.2	<10	370	0.99	0.26	1.77	1.52	21.0	14.2	22
DD015395		0.19	0.011	0.31	1.08	43.0	<0.2	10	580	0.88	0.22	2.47	1.14	17.85	10.5	19
DD015396		0.13	0.003	0.24	1.04	30.9	<0.2	10	490	0.78	0.19	2.47	1.17	13.80	8.6	17
DD015397		0.07	0.011	0.19	0.87	23.7	<0.2	10	470	0.74	0.18	2.36	0.99	10.35	7.6	15
DD015398		0.10	0.004	0.22	0.93	25.0	<0.2	10	370	0.80	0.21	1.67	0.76	13.50	8.6	16
CC160792		0.21	0.004	0.12	0.51	54.3	<0.2	<10	110	1.13	0.33	0.60	0.12	23.2	10.5	9
CC160793		0.21	0.013	0.13	0.80	29.2	<0.2	<10	220	1.51	0.40	0.69	0.12	21.5	12.9	14
CC160794		0.31	0.004	0.16	1.04	59.1	<0.2	<10	220	0.95	0.25	3.34	0.37	19.90	10.4	17
CC160795		0.25	0.005	0.12	1.12	79.7	<0.2	<10	220	1.10	0.31	0.60	0.36	20.6	11.2	20
CC160796		0.24	0.005	0.18	0.87	84.6	<0.2	<10	240	1.14	0.39	0.40	0.50	19.75	19.9	17
CC160797		0.24	0.004	0.15	1.44	75.4	<0.2	<10	260	1.38	0.33	0.27	0.38	24.0	15.5	22
CC160798		0.28	0.004	0.13	1.50	113.5	<0.2	<10	280	1.38	0.29	0.45	0.71	27.3	14.7	23
CC160799		0.24	0.002	0.17	1.47	69.6	<0.2	<10	280	1.34	0.29	2.90	0.35	21.6	13.9	21
CC160800		0.29	0.001	0.07	1.76	176.5	<0.2	<10	240	1.30	0.32	0.28	0.37	23.1	15.1	24
DD015445		0.19	0.002	0.21	1.59	77.9	<0.2	<10	290	1.48	0.25	3.91	0.36	23.0	12.3	20
DD015446		0.15	0.003	0.39	0.49	59.3	<0.2	<10	140	0.82	0.32	2.12	0.20	17.75	10.6	9
DD015447		0.19	0.002	0.09	0.16	8.6	<0.2	<10	40	0.65	0.29	0.06	0.12	12.00	5.5	3
DD015448		0.26	0.004	0.20	1.50	280	<0.2	<10	240	1.05	0.24	0.31	1.52	20.3	10.6	22
DD015449		0.23	0.003	0.19	1.80	131.0	<0.2	<10	330	1.52	0.29	0.39	0.28	23.4	13.1	26
DD015450		0.20	0.001	0.04	2.04	100.5	<0.2	<10	270	0.64	0.27	0.32	0.24	17.55	7.9	25
DD015452		0.14	0.002	0.24	1.27	98.5	<0.2	<10	160	0.83	0.17	6.10	2.92	16.10	6.7	16
DD015453		0.26	0.002	0.18	1.57	122.5	<0.2	<10	280	1.15	0.31	0.48	0.71	24.3	14.0	25
DD015454		0.21	0.001	0.10	1.08	46.4	<0.2	<10	170	0.44	0.14	1.99	1.54	14.35	4.7	15
DD015456		0.17	0.002	0.10	1.36	215	<0.2	<10	210	0.71	0.22	0.54	1.21	21.3	8.5	21
DD015457		0.22	0.003	0.23	1.12	164.0	<0.2	<10	160	0.92	0.22	6.97	0.53	30.4	9.5	18
DD015458		0.22	0.003	0.24	0.76	388	<0.2	<10	110	0.48	0.18	10.60	0.97	21.2	7.2	13
DD015459		0.16	0.002	0.10	0.82	141.5	<0.2	<10	110	0.66	0.16	9.02	0.64	14.75	6.8	11
DD015460		0.06	NSS	0.23	1.49	155.0	<0.2	<10	160	0.69	0.22	2.44	4.14	20.4	6.9	22
CC160618		0.24	0.003	0.19	1.15	17.8	<0.2	<10	260	0.89	0.26	1.52	0.53	13.95	9.3	20
CC160619		0.20	0.011	0.19	1.33	19.7	<0.2	<10	290	1.23	0.29	1.18	0.58	16.30	10.2	22
CC160620		0.15	0.002	0.04	1.10	77.4	<0.2	<10	70	0.30	0.29	0.07	0.06	16.25	6.1	18
CC160621		0.14	0.001	0.04	1.08	18.9	<0.2	<10	140	0.34	0.24	0.12	0.06	17.95	4.6	15
CC160622		0.14	0.001	0.03	0.85	18.8	<0.2	<10	100	0.49	0.31	0.14	0.07	14.30	7.9	14
CC160623		0.19	0.002	0.08	1.10	27.3	<0.2	<10	210	0.90	0.30	0.69	0.11	15.40	10.9	18
DD015399		<0.02	0.002	0.12	1.55	49.1	<0.2	<10	290	1.09	0.30	0.68	0.18	26.7	10.9	24
DD015400		0.16	0.002	0.10	1.20	83.0	<0.2	<10	210	0.94	0.33	0.42	0.23	18.00	9.5	19



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015390		2.29	10.5	2.59	3.53	0.09	0.06	1.96	0.022	0.06	9.7	11.4	0.31	515	0.57	0.01
DD015391		2.70	11.0	1.84	1.72	0.08	0.05	1.39	0.022	0.04	8.3	4.2	0.08	257	0.51	0.01
DD015392		1.29	17.1	3.45	3.80	0.08	0.05	0.21	0.023	0.07	8.5	10.2	3.32	2130	1.63	0.02
DD015393		0.98	12.9	3.65	2.56	0.09	0.03	0.42	0.017	0.05	7.0	7.2	5.10	2140	1.10	0.02
DD015394		2.03	41.5	3.55	3.90	0.10	0.11	0.35	0.036	0.18	10.1	17.0	0.94	670	2.80	0.01
DD015395		1.43	28.7	3.25	3.41	0.09	0.07	0.34	0.030	0.12	9.0	12.1	0.79	475	2.19	0.01
DD015396		0.80	24.0	2.74	3.05	0.08	0.06	0.31	0.026	0.10	7.4	11.4	0.33	342	2.10	0.01
DD015397		1.01	24.3	2.41	2.72	0.07	0.07	0.37	0.023	0.10	4.9	10.4	0.37	397	1.70	0.01
DD015398		1.30	22.3	2.77	2.94	0.08	0.07	0.41	0.027	0.11	6.6	11.9	0.42	309	1.79	0.01
CC160792		5.12	23.2	2.79	1.86	0.09	0.06	0.28	0.024	0.12	10.7	4.2	0.15	375	0.53	0.01
CC160793		8.72	32.1	3.87	2.56	0.09	0.07	0.28	0.033	0.09	10.3	7.0	0.14	995	0.72	0.01
CC160794		5.83	29.6	3.82	3.23	0.10	0.07	1.52	0.031	0.10	10.5	15.4	1.93	1310	0.85	0.02
CC160795		2.52	26.6	4.34	3.36	0.09	0.07	0.74	0.033	0.08	8.6	15.4	0.30	1120	1.08	0.01
CC160796		6.70	36.1	4.75	2.71	0.10	0.10	1.22	0.031	0.12	9.1	11.9	0.21	1180	0.81	0.01
CC160797		2.07	29.5	4.29	4.38	0.11	0.06	2.22	0.037	0.08	10.2	15.8	0.32	1170	1.07	0.01
CC160798		1.68	29.2	4.36	4.45	0.14	0.07	1.73	0.036	0.07	16.1	16.5	0.41	1520	1.38	0.01
CC160799		1.62	25.4	3.90	3.49	0.11	0.07	1.42	0.035	0.08	11.1	13.1	1.82	1150	1.00	0.01
CC160800		2.61	25.8	4.83	4.42	0.10	0.06	1.42	0.042	0.07	6.5	19.7	0.30	1390	1.19	0.01
DD015445		1.46	22.9	3.99	3.70	0.11	0.08	1.18	0.032	0.08	13.0	13.7	2.53	2020	1.10	0.01
DD015446		2.90	41.6	3.39	1.41	0.09	0.03	1.68	0.031	0.06	5.8	3.7	0.08	544	1.54	0.01
DD015447		3.35	24.5	2.41	0.42	0.07	0.05	0.46	0.022	0.05	4.2	1.0	0.01	114	0.40	<0.01
DD015448		1.58	22.9	3.87	4.44	0.10	0.08	4.28	0.031	0.07	11.3	13.2	0.34	1100	1.03	0.01
DD015449		1.36	24.5	4.77	4.88	0.11	0.11	1.74	0.037	0.07	12.6	16.7	0.39	1320	1.21	0.01
DD015450		1.63	10.3	3.81	5.84	0.08	0.06	0.61	0.034	0.05	7.4	18.6	0.42	535	0.99	0.01
DD015452		0.85	13.7	3.15	3.44	0.09	0.06	15.85	0.026	0.05	9.8	10.1	3.98	1280	0.75	0.02
DD015453		1.11	25.4	4.39	4.75	0.11	0.08	1.59	0.034	0.07	13.6	16.5	0.45	1520	1.23	0.01
DD015454		0.98	8.4	3.30	3.24	0.08	0.03	0.75	0.017	0.04	6.7	6.4	1.00	2590	0.56	0.01
DD015456		1.16	13.1	3.97	4.29	0.09	0.05	1.58	0.024	0.06	9.9	10.8	0.31	2040	0.95	0.01
DD015457		0.67	19.0	5.65	3.00	0.14	0.08	2.35	0.021	0.04	19.7	8.2	3.97	4450	0.74	0.02
DD015458		0.95	19.1	3.20	2.06	0.06	0.05	4.34	0.019	0.05	12.3	5.0	5.96	2870	0.57	0.03
DD015459		0.74	13.1	3.17	2.30	<0.05	0.04	0.90	0.020	0.06	5.8	6.7	5.27	1840	0.72	0.03
DD015460		0.87	11.5	4.18	5.03	0.05	0.03	12.40	0.028	0.03	11.6	10.0	0.87	1760	0.76	0.02
CC160618		1.17	30.0	3.23	3.45	<0.05	0.07	0.36	0.032	0.12	6.7	14.7	0.54	395	1.48	0.02
CC160619		1.56	45.6	3.48	4.23	0.05	0.07	0.27	0.038	0.12	6.8	17.2	0.36	411	1.47	0.02
CC160620		0.98	12.2	3.17	4.68	<0.05	<0.02	0.07	0.024	0.07	7.0	8.6	0.20	308	0.89	0.01
CC160621		0.93	7.4	2.41	4.58	<0.05	<0.02	0.05	0.021	0.05	8.7	14.1	0.20	196	0.95	0.01
CC160622		1.43	16.7	2.94	3.88	<0.05	<0.02	0.03	0.027	0.10	6.2	13.4	0.16	235	0.77	0.01
CC160623		1.24	21.4	3.33	3.65	<0.05	0.06	0.14	0.034	0.11	6.4	13.0	0.30	526	1.00	0.01
DD015399		2.57	22.5	3.73	4.84	0.06	0.07	0.55	0.032	0.07	11.5	15.9	0.39	929	1.02	0.02
DD015400		2.22	24.3	3.92	3.65	<0.05	0.07	27.7	0.032	0.07	8.3	12.1	0.24	787	0.84	0.01





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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015390		0.65	20.0	650	25.8	5.7	<0.001	0.04	1.68	3.2	0.9	0.5	32.9	<0.01	0.03	2.1
DD015391		0.29	15.6	520	23.2	3.6	<0.001	0.07	1.33	2.6	1.0	0.3	67.7	<0.01	0.02	0.8
DD015392		0.43	20.4	780	18.4	7.5	<0.001	0.05	0.94	2.9	0.9	0.5	34.7	<0.01	0.04	0.9
DD015393		0.39	19.6	1070	32.8	6.4	<0.001	0.06	2.00	1.8	0.9	0.3	42.9	<0.01	0.04	0.4
DD015394		0.32	48.9	930	23.7	14.7	0.001	0.02	0.98	6.2	1.4	0.6	36.0	<0.01	0.05	4.7
DD015395		0.37	30.3	890	19.8	11.9	0.001	0.07	0.85	3.8	1.8	0.5	43.6	<0.01	0.04	1.3
DD015396		0.38	25.9	650	15.4	8.3	0.001	0.09	0.90	3.0	2.9	0.5	55.1	<0.01	0.04	0.9
DD015397		0.37	25.8	690	12.4	8.8	0.002	0.10	0.97	3.4	2.0	0.4	63.2	<0.01	0.04	1.5
DD015398		0.38	26.4	710	15.4	10.4	0.001	0.07	0.82	3.7	1.7	0.4	40.9	<0.01	0.05	1.8
CC160792		0.25	22.6	340	18.1	8.7	<0.001	0.03	0.66	4.0	0.7	0.4	30.3	<0.01	0.03	3.2
CC160793		0.30	24.2	490	23.2	13.9	<0.001	0.04	0.32	4.5	0.8	0.5	42.0	<0.01	0.03	2.8
CC160794		0.40	23.3	800	37.3	15.7	<0.001	0.03	0.76	5.6	0.9	0.5	29.5	<0.01	0.04	2.6
CC160795		0.41	23.8	610	38.3	15.2	<0.001	0.04	1.01	4.2	0.9	0.5	22.4	<0.01	0.05	2.1
CC160796		0.25	38.8	490	43.9	13.5	<0.001	0.03	1.45	5.0	0.8	0.5	26.4	<0.01	0.04	3.2
CC160797		0.34	31.3	290	54.9	11.0	<0.001	0.01	0.77	6.2	0.8	0.6	12.5	<0.01	0.04	4.6
CC160798		0.42	33.4	510	51.7	10.9	<0.001	0.01	1.04	6.1	1.2	0.6	12.7	<0.01	0.05	4.0
CC160799		0.43	29.6	560	71.4	7.8	<0.001	0.02	0.86	6.5	1.0	0.5	22.0	0.01	0.04	4.1
CC160800		0.36	32.5	450	35.5	12.3	<0.001	0.02	0.98	4.9	0.7	0.6	10.0	<0.01	0.05	3.2
DD015445		0.41	28.2	750	28.0	8.3	0.001	0.02	0.77	5.8	1.0	0.5	23.0	0.01	0.04	3.4
DD015446		0.10	40.6	160	25.3	6.3	0.001	0.01	1.67	4.8	1.1	0.4	123.0	<0.01	0.04	2.4
DD015447		<0.05	15.7	210	26.0	4.3	0.001	<0.01	0.20	3.3	0.5	0.2	13.2	<0.01	0.02	3.7
DD015448		0.43	29.7	500	34.4	10.2	<0.001	0.02	1.80	4.9	1.1	0.6	9.9	<0.01	0.04	2.5
DD015449		0.45	33.1	440	35.3	11.4	<0.001	0.02	1.12	6.5	1.0	0.7	10.1	<0.01	0.05	4.1
DD015450		0.74	17.9	260	28.7	8.8	<0.001	0.01	0.86	3.8	0.4	0.8	7.2	<0.01	0.05	3.2
DD015452		0.39	16.3	940	125.0	8.1	<0.001	0.06	1.76	3.3	1.0	0.5	27.4	0.01	0.04	1.2
DD015453		0.49	30.6	470	43.3	9.4	<0.001	0.02	1.22	4.7	1.0	0.6	11.0	<0.01	0.05	3.2
DD015454		0.36	10.7	1040	15.5	7.5	<0.001	0.07	0.72	1.6	0.6	0.3	8.1	<0.01	0.04	0.4
DD015456		0.52	16.4	1160	30.4	13.6	<0.001	0.07	2.64	2.8	0.7	0.5	10.0	<0.01	0.05	1.1
DD015457		0.34	21.2	860	58.7	4.5	<0.001	0.05	3.29	4.5	1.3	0.4	16.9	0.01	0.08	1.4
DD015458		0.31	17.2	1120	35.9	5.1	<0.001	0.06	5.35	2.6	0.9	0.3	37.3	<0.01	0.09	1.4
DD015459		0.36	14.1	1180	23.0	7.2	0.001	0.07	1.33	2.2	0.8	0.4	41.7	<0.01	0.02	0.9
DD015460		0.74	15.0	1490	297	5.1	<0.001	0.12	5.18	2.0	0.9	0.5	25.3	<0.01	0.04	0.7
CC160618		0.45	28.2	660	19.5	11.9	0.001	0.08	0.69	4.5	1.2	0.5	48.6	<0.01	0.05	2.4
CC160619		0.47	30.6	680	21.7	16.4	0.002	0.10	0.51	4.8	2.3	0.6	42.6	<0.01	0.04	1.8
CC160620		0.91	13.1	180	16.6	10.6	<0.001	0.03	0.58	2.2	0.4	0.7	6.8	<0.01	0.02	2.8
CC160621		0.81	10.8	140	15.3	12.7	<0.001	0.02	0.37	1.8	0.4	0.6	9.2	<0.01	0.03	2.9
CC160622		0.67	14.5	170	17.9	17.5	<0.001	0.02	0.50	2.2	0.3	0.6	11.2	<0.01	0.02	2.6
CC160623		0.57	21.3	240	22.4	11.1	<0.001	0.04	0.81	4.6	0.7	0.6	19.7	<0.01	0.03	3.2
DD015399		0.71	24.5	1010	27.8	13.6	<0.001	0.07	0.94	3.8	1.0	0.6	26.5	<0.01	0.04	1.7
DD015400		0.42	22.2	550	32.5	13.0	<0.001	0.05	1.09	4.4	0.6	0.5	20.2	<0.01	0.02	2.5



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015390		0.009	0.38	2.03	32	0.18	6.80	295	1.4
DD015391		<0.005	0.14	0.81	14	0.06	11.55	57	1.4
DD015392		0.005	0.30	1.26	45	0.10	7.97	174	1.0
DD015393		0.012	0.28	1.52	29	0.10	8.15	422	0.6
DD015394		0.006	0.34	1.05	57	0.06	13.60	226	3.9
DD015395		0.005	0.24	1.37	47	0.10	11.65	151	1.5
DD015396		<0.005	0.18	2.25	47	0.07	9.90	140	1.4
DD015397		<0.005	0.20	1.37	34	0.06	7.59	133	2.0
DD015398		0.005	0.20	0.96	37	0.07	9.53	141	1.8
CC160792		0.005	0.25	0.67	12	0.08	10.00	68	1.7
CC160793		<0.005	0.27	1.93	19	0.06	8.35	66	1.6
CC160794		0.006	0.25	1.07	26	0.11	13.70	219	1.4
CC160795		0.007	0.24	1.28	30	0.08	6.84	170	1.5
CC160796		<0.005	0.25	0.76	25	0.07	9.44	206	2.4
CC160797		<0.005	0.34	0.88	32	0.11	9.58	180	1.5
CC160798		0.005	0.41	1.16	35	0.10	15.55	262	1.4
CC160799		<0.005	0.66	0.91	25	0.07	13.40	152	1.7
CC160800		<0.005	0.46	0.96	36	0.07	5.63	240	1.4
DD015445		<0.005	0.30	1.60	28	0.09	16.90	240	1.5
DD015446		<0.005	0.35	0.60	13	<0.05	14.50	157	0.6
DD015447		<0.005	0.19	0.29	4	<0.05	6.35	64	1.9
DD015448		0.005	1.07	1.17	34	0.11	13.60	408	1.5
DD015449		<0.005	0.39	1.20	41	0.10	14.20	196	2.2
DD015450		0.008	0.36	0.68	50	0.13	3.66	176	1.6
DD015452		0.007	0.30	2.10	26	0.09	11.15	1100	1.2
DD015453		0.007	0.48	1.18	38	0.11	10.90	295	1.5
DD015454		0.016	0.37	1.42	27	0.14	5.61	311	0.6
DD015456		0.014	0.49	1.49	36	0.18	7.06	290	1.0
DD015457		0.007	0.59	2.55	28	0.17	19.60	170	1.3
DD015458		0.010	0.72	2.65	20	0.21	14.05	442	1.3
DD015459		0.008	0.36	1.70	19	0.07	6.93	254	1.0
DD015460		0.020	0.23	2.50	40	0.20	11.05	2150	0.8
CC160618		0.005	0.16	1.01	34	0.06	11.75	143	1.9
CC160619		<0.005	0.14	2.78	37	0.11	12.10	114	2.1
CC160620		0.010	0.23	0.37	35	0.13	2.23	53	0.5
CC160621		0.010	0.11	0.36	35	0.11	2.14	54	0.6
CC160622		0.008	0.12	0.41	26	0.06	2.90	67	0.7
CC160623		0.007	0.18	0.73	26	0.08	6.52	75	1.7
DD015399		0.014	0.21	1.42	39	0.17	11.95	107	1.8
DD015400		0.005	0.26	0.95	29	0.11	7.47	139	1.8



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ69632		0.07	0.008	0.13	1.02	55.1	<0.2	<10	420	0.79	0.23	1.96	0.39	16.00	11.0	15
ZZ69633		0.21	0.003	0.14	1.07	56.7	<0.2	<10	430	0.97	0.27	0.58	0.22	22.0	12.6	20
ZZ69634		0.24	0.002	0.11	0.93	105.5	<0.2	<10	310	0.93	0.35	0.39	0.64	20.8	21.2	17
ZZ69635		0.24	0.004	0.20	1.24	60.6	<0.2	<10	520	0.90	0.29	0.75	0.54	21.3	12.5	22
ZZ69636		0.20	0.002	0.16	1.21	52.1	<0.2	<10	240	0.97	0.29	0.81	0.54	18.10	11.6	19
ZZ69637		0.11	0.003	0.13	1.15	71.6	<0.2	<10	300	0.81	0.26	1.02	0.50	14.50	10.6	17
ZZ69638		0.12	0.003	0.20	1.13	60.1	<0.2	<10	220	0.86	0.27	0.84	0.60	19.35	12.2	19
ZZ69639		0.21	0.001	0.07	0.73	485	<0.2	<10	330	1.23	0.44	0.22	0.21	14.70	13.0	14
ZZ69640		0.23	0.004	0.27	1.22	323	<0.2	<10	560	0.98	0.27	0.92	0.61	17.70	12.6	21
ZZ69641		0.20	0.003	0.18	1.14	89.9	<0.2	<10	410	1.00	0.24	1.05	0.63	17.95	12.4	19
ZZ69642		0.28	0.002	0.21	1.15	31.8	<0.2	<10	370	0.91	0.29	1.62	0.72	18.90	11.7	20
ZZ69643		0.20	0.003	0.20	1.06	28.7	<0.2	<10	380	0.95	0.28	1.18	0.50	15.45	10.8	18
ZZ69644		0.25	0.002	0.18	1.13	16.3	<0.2	<10	220	0.99	0.28	0.79	0.35	16.05	11.3	20
ZZ69645		0.22	0.002	0.16	1.16	16.3	<0.2	<10	310	0.91	0.28	0.66	0.28	14.55	10.8	21
ZZ69646		0.19	0.002	0.10	1.25	19.5	<0.2	<10	280	0.96	0.28	0.47	0.28	19.85	13.5	22
ZZ69647		0.29	0.002	0.14	1.26	16.7	<0.2	<10	200	1.03	0.30	0.84	0.37	14.10	15.0	20
ZZ69648		0.22	0.002	0.22	1.28	18.9	<0.2	<10	210	1.07	0.27	2.33	0.39	15.15	10.6	21
ZZ69649		0.08	0.003	0.19	1.53	86.8	<0.2	<10	240	0.82	0.28	1.16	0.41	27.6	11.3	23
ZZ69650		0.13	0.002	0.15	0.92	253	<0.2	<10	100	0.58	0.18	8.28	1.17	27.3	7.3	14
DD015001		0.21	0.001	0.07	1.61	102.5	<0.2	<10	270	0.78	0.31	0.32	0.17	20.0	8.0	23
DD015002		0.23	0.003	0.06	2.16	83.8	<0.2	<10	280	1.47	0.33	0.10	0.17	31.6	13.0	28
DD015003		0.14	0.002	0.01	1.04	21.9	<0.2	<10	100	0.54	0.25	0.02	0.08	23.4	8.3	17
DD015004		0.13	0.003	0.09	2.20	168.0	<0.2	<10	170	1.16	0.30	0.06	0.32	35.5	12.6	29
DD015005		0.19	0.002	0.07	1.34	64.5	<0.2	<10	170	0.83	0.34	0.10	0.18	14.40	11.9	18
DD015006		0.17	0.002	0.12	1.96	202	<0.2	<10	220	1.27	0.32	0.12	0.43	30.5	14.5	27
DD015007		0.15	0.002	0.13	2.02	44.2	<0.2	<10	240	0.96	0.25	0.28	0.30	31.4	8.3	29
DD015008		0.19	0.002	0.09	1.85	97.6	<0.2	<10	230	0.78	0.30	0.27	0.60	20.6	9.0	26
DD015009		0.20	0.002	0.08	2.33	209	<0.2	<10	430	1.49	0.30	0.15	0.27	30.1	14.3	30
DD015010		0.21	0.003	0.08	2.20	215	<0.2	<10	220	1.15	0.30	0.11	0.32	28.1	13.8	28
DD015011		0.16	0.003	0.15	1.81	244	<0.2	<10	230	1.25	0.28	0.49	0.23	17.90	11.5	27
DD015012		0.15	0.003	0.21	1.53	91.0	<0.2	<10	210	0.71	0.22	2.64	0.61	21.9	9.6	23
DD015013		0.13	0.003	0.18	1.29	150.0	<0.2	<10	170	0.65	0.20	3.73	0.59	21.8	8.8	21
DD015014		0.22	0.002	0.13	1.83	196.5	<0.2	<10	280	0.77	0.26	0.50	0.31	24.6	10.7	29
DD015015		0.28	0.004	0.19	2.00	440	<0.2	<10	280	1.17	0.23	0.55	0.39	29.4	11.8	30
DD015016		0.23	0.003	0.20	1.50	252	<0.2	<10	200	0.84	0.23	3.03	0.40	24.2	9.7	25
DD015017		0.17	0.002	0.18	1.72	157.5	<0.2	<10	170	1.03	0.26	0.86	0.39	21.2	10.9	25
DD015018		0.17	0.002	0.14	1.79	141.5	<0.2	<10	270	1.23	0.28	0.66	0.29	23.9	13.2	26
DD015019		0.12	0.002	0.15	0.93	160.0	<0.2	<10	160	0.63	0.13	8.51	1.52	16.45	6.9	13
DD015020		0.17	0.003	0.18	1.07	53.7	<0.2	<10	140	0.65	0.19	4.88	0.61	25.1	9.4	17
DD015021		0.18	0.003	0.11	1.36	30.9	<0.2	<10	210	0.70	0.25	1.67	0.41	18.00	9.4	22



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ69632		7.22	25.7	2.45	3.02	0.05	0.05	0.97	0.034	0.09	7.4	9.3	0.31	1000	0.78	0.02
ZZ69633		5.74	36.7	3.18	3.64	0.05	0.05	0.89	0.033	0.10	10.1	15.1	0.35	593	1.10	0.02
ZZ69634		1.61	38.4	3.94	3.14	<0.05	0.04	1.36	0.034	0.08	8.0	11.0	0.26	1000	1.27	0.01
ZZ69635		1.23	32.4	3.51	3.82	0.05	0.05	1.11	0.035	0.09	10.2	15.9	0.37	745	1.18	0.02
ZZ69636		1.39	27.3	3.45	3.83	<0.05	0.06	0.84	0.035	0.10	8.0	15.5	0.35	481	0.94	0.01
ZZ69637		1.78	20.5	3.19	3.75	<0.05	0.05	0.75	0.034	0.08	6.3	13.0	0.31	499	0.97	0.02
ZZ69638		1.73	24.9	3.26	3.43	0.05	0.05	0.98	0.030	0.09	8.9	13.4	0.35	802	0.87	0.01
ZZ69639		8.11	43.9	3.55	2.69	<0.05	0.02	0.89	0.036	0.15	6.5	9.7	0.19	457	1.58	0.01
ZZ69640		1.94	26.6	3.24	3.91	0.05	0.05	0.83	0.032	0.10	9.3	13.9	0.31	549	1.98	0.02
ZZ69641		2.32	32.5	3.28	3.68	0.05	0.06	0.36	0.034	0.09	7.7	15.0	0.33	580	1.49	0.02
ZZ69642		1.66	34.7	3.45	3.66	0.05	0.06	0.48	0.034	0.11	8.6	15.5	0.81	834	1.91	0.02
ZZ69643		2.50	31.4	3.16	3.31	0.05	0.06	0.57	0.030	0.11	7.0	13.0	0.38	594	1.30	0.02
ZZ69644		1.38	28.7	3.32	3.70	0.05	0.06	0.29	0.032	0.12	7.3	16.9	0.38	304	1.31	0.01
ZZ69645		0.92	31.5	3.66	3.55	0.05	0.05	0.24	0.039	0.11	6.3	15.1	0.35	374	2.03	0.02
ZZ69646		0.90	27.0	3.91	4.25	0.06	0.05	0.24	0.035	0.09	9.2	20.1	0.36	515	1.38	0.02
ZZ69647		1.27	36.8	3.81	3.76	0.05	0.07	0.26	0.037	0.14	5.7	16.3	0.44	611	1.43	0.02
ZZ69648		1.53	32.0	3.31	4.06	0.05	0.07	0.36	0.031	0.14	7.2	17.2	1.27	445	1.59	0.02
ZZ69649		1.75	18.4	3.76	4.74	0.05	0.04	0.96	0.033	0.06	13.3	12.0	0.51	1100	0.88	0.02
ZZ69650		0.93	11.0	2.79	2.48	<0.05	0.03	1.79	0.023	0.04	14.2	6.9	4.82	1280	0.66	0.03
DD015001		2.38	17.0	3.80	5.57	<0.05	0.03	0.99	0.033	0.06	8.7	15.3	0.30	795	1.15	0.02
DD015002		5.53	22.8	4.40	5.91	0.06	0.06	1.03	0.043	0.07	13.5	18.5	0.30	1000	1.11	0.01
DD015003		3.12	8.6	3.38	3.96	0.05	<0.02	0.27	0.029	0.05	9.7	6.1	0.07	845	0.87	0.01
DD015004		1.86	19.3	4.63	5.55	0.05	0.07	8.05	0.039	0.06	13.6	18.5	0.34	1300	1.17	0.01
DD015005		3.05	24.7	4.06	3.82	<0.05	0.05	2.21	0.037	0.06	5.7	13.1	0.22	728	0.94	0.01
DD015006		2.23	25.6	4.58	5.55	0.06	0.09	3.23	0.042	0.08	11.4	19.9	0.33	1360	1.19	0.01
DD015007		1.60	11.9	3.62	6.02	<0.05	0.02	2.94	0.031	0.05	15.3	15.0	0.41	811	0.95	0.02
DD015008		2.51	14.3	4.01	5.58	<0.05	0.04	1.77	0.031	0.06	9.5	13.8	0.34	821	0.96	0.01
DD015009		1.98	24.2	5.28	5.79	0.07	0.08	2.56	0.048	0.07	15.3	16.6	0.34	1680	1.09	0.02
DD015010		1.82	20.7	5.20	5.80	<0.05	0.07	3.32	0.043	0.06	10.7	17.7	0.29	1520	1.26	0.02
DD015011		1.60	22.8	5.01	5.16	0.05	0.10	2.42	0.046	0.08	10.4	16.4	0.39	1010	1.11	0.02
DD015012		0.92	19.9	3.94	4.25	<0.05	0.04	1.45	0.029	0.05	11.7	9.9	1.20	1800	0.81	0.02
DD015013		0.96	14.6	3.09	3.71	<0.05	0.04	1.46	0.023	0.05	11.0	9.8	2.20	1150	0.82	0.02
DD015014		2.12	17.8	3.54	5.93	<0.05	0.04	1.24	0.032	0.07	11.0	13.5	0.45	1150	1.18	0.02
DD015015		2.29	19.9	4.94	5.72	0.06	0.08	2.81	0.039	0.07	14.1	13.3	0.50	2160	1.13	0.02
DD015016		1.18	16.2	3.68	4.43	0.05	0.04	1.23	0.028	0.08	12.2	12.3	1.85	1120	1.02	0.02
DD015017		1.15	18.2	4.94	4.53	<0.05	0.05	1.55	0.034	0.08	11.6	12.9	0.45	1600	1.03	0.02
DD015018		1.40	20.7	4.67	5.03	0.05	0.05	1.21	0.034	0.09	10.7	15.5	0.44	1530	1.14	0.02
DD015019		0.83	12.3	3.25	2.63	<0.05	0.04	1.80	0.021	0.06	8.5	6.5	4.64	2110	0.62	0.03
DD015020		0.84	16.4	3.33	3.03	0.05	0.03	0.84	0.025	0.06	14.0	8.4	2.77	1880	0.77	0.03
DD015021		1.29	18.1	3.23	4.26	<0.05	0.05	0.45	0.024	0.07	8.3	12.2	0.66	741	1.00	0.02

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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ZZ69632		0.58	19.5	730	21.5	12.2	0.001	0.11	1.02	3.8	0.8	0.5	27.9	0.01	0.05	0.9
ZZ69633		0.79	29.3	540	19.4	12.4	<0.001	0.04	0.83	6.4	1.0	0.5	18.6	<0.01	0.06	3.3
ZZ69634		0.47	28.9	330	67.8	8.3	<0.001	0.03	1.34	4.9	1.0	0.5	16.7	<0.01	0.04	3.4
ZZ69635		0.57	28.5	580	37.8	8.8	0.001	0.05	1.28	4.6	1.0	0.5	20.8	<0.01	0.03	1.6
ZZ69636		0.56	24.4	620	31.5	13.3	0.001	0.08	0.72	4.4	1.2	0.5	25.8	<0.01	0.04	1.9
ZZ69637		0.55	20.4	560	30.3	10.3	<0.001	0.07	0.93	4.0	0.9	0.5	22.6	<0.01	0.05	1.5
ZZ69638		0.53	22.5	690	36.6	16.5	0.001	0.07	0.85	3.6	1.1	0.5	24.5	<0.01	0.03	1.3
ZZ69639		0.44	28.9	270	21.8	15.6	<0.001	0.03	0.93	5.9	0.7	0.5	18.2	<0.01	0.05	2.9
ZZ69640		0.63	32.4	730	23.1	10.7	0.001	0.06	0.95	5.2	1.5	0.6	38.5	<0.01	0.04	2.3
ZZ69641		0.61	29.1	690	20.6	11.2	<0.001	0.07	0.79	4.6	1.2	0.5	35.4	<0.01	0.04	2.1
ZZ69642		0.54	33.9	760	23.5	9.9	<0.001	0.05	0.95	5.5	1.1	0.6	28.7	<0.01	0.03	3.0
ZZ69643		0.51	25.8	570	23.4	14.4	0.001	0.07	0.96	4.3	1.1	0.5	31.2	<0.01	0.02	2.1
ZZ69644		0.52	30.8	590	18.8	13.1	0.001	0.05	0.64	5.0	1.2	0.5	32.0	<0.01	0.04	2.8
ZZ69645		0.47	35.3	690	19.1	9.3	0.001	0.05	0.56	5.1	1.4	0.5	26.5	<0.01	0.04	2.8
ZZ69646		0.57	34.8	370	23.1	8.7	<0.001	0.04	0.60	5.1	1.2	0.6	21.6	<0.01	0.04	3.2
ZZ69647		0.37	38.6	670	23.1	11.2	0.001	0.05	0.60	5.7	1.0	0.6	29.9	<0.01	0.04	3.1
ZZ69648		0.45	31.3	610	20.7	12.9	0.001	0.05	0.74	5.1	1.2	0.6	37.3	<0.01	0.04	2.8
ZZ69649		0.80	23.5	930	39.5	8.7	<0.001	0.08	2.08	3.9	1.2	0.6	20.0	<0.01	0.05	1.3
ZZ69650		0.51	15.1	940	41.7	5.9	<0.001	0.06	3.66	3.0	0.7	0.4	45.7	<0.01	0.03	1.2
DD015001		0.61	20.4	1030	28.7	17.8	<0.001	0.05	1.20	2.3	0.5	0.7	13.1	<0.01	0.06	0.9
DD015002		0.55	30.0	690	34.1	17.1	<0.001	0.04	1.06	6.1	1.1	0.8	11.6	<0.01	0.05	2.7
DD015003		0.48	14.4	250	19.5	12.9	<0.001	0.03	0.55	3.6	0.6	0.7	6.3	<0.01	0.06	2.3
DD015004		0.78	29.4	560	37.6	11.7	0.001	0.04	1.73	4.7	1.1	0.7	9.5	<0.01	0.05	2.9
DD015005		0.57	27.6	340	57.7	12.6	0.001	0.03	1.11	3.8	0.6	0.6	12.7	<0.01	0.04	2.7
DD015006		0.54	32.4	520	382	17.0	<0.001	0.04	1.76	6.1	0.8	0.7	14.0	<0.01	0.03	3.6
DD015007		0.68	19.1	1130	43.1	9.1	<0.001	0.06	1.14	2.1	0.5	0.7	11.6	<0.01	0.07	0.8
DD015008		0.71	19.5	820	35.9	14.2	<0.001	0.04	1.35	2.9	<0.2	0.7	13.8	<0.01	0.06	1.5
DD015009		0.44	29.9	450	43.8	13.2	<0.001	0.03	2.07	7.0	1.3	0.9	8.7	<0.01	0.07	4.7
DD015010		0.65	27.8	510	46.1	11.3	<0.001	0.03	2.29	4.4	0.2	0.8	9.9	<0.01	0.07	3.6
DD015011		0.42	29.4	560	39.6	14.7	0.001	0.03	2.52	6.1	<0.2	0.8	13.4	<0.01	0.09	3.9
DD015012		0.55	20.7	1360	27.0	8.2	<0.001	0.10	2.03	2.6	0.9	0.5	15.9	<0.01	0.04	0.9
DD015013		0.51	20.5	920	31.4	7.0	0.001	0.06	2.07	2.6	0.4	0.5	19.5	<0.01	0.04	1.2
DD015014		0.82	23.0	800	27.3	13.2	<0.001	0.04	1.73	3.7	0.3	0.7	12.5	<0.01	0.06	2.0
DD015015		0.75	26.9	680	33.6	14.1	<0.001	0.05	2.66	4.5	0.4	0.7	12.6	<0.01	0.06	2.4
DD015016		0.70	23.6	840	30.4	11.0	<0.001	0.05	2.67	3.5	0.5	0.5	22.7	<0.01	0.06	1.8
DD015017		0.48	22.2	790	44.3	10.2	<0.001	0.06	2.12	4.0	<0.2	0.6	11.9	<0.01	0.05	1.7
DD015018		0.55	27.0	620	39.2	11.2	<0.001	0.04	1.64	4.6	0.6	0.7	13.4	<0.01	0.07	2.4
DD015019		0.34	14.0	1280	24.8	11.9	<0.001	0.08	2.23	2.2	0.6	0.4	36.6	<0.01	0.05	0.7
DD015020		0.43	19.2	1190	23.2	6.4	<0.001	0.08	1.54	2.2	0.5	0.5	27.1	<0.01	0.04	0.7
DD015021		0.83	19.1	660	22.0	10.3	<0.001	0.06	1.08	3.5	0.4	0.6	15.5	<0.01	0.05	2.1

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ69632		0.007	0.25	1.67	24	0.14	11.55	143	1.3
ZZ69633		0.016	0.15	0.81	30	0.13	10.00	124	1.6
ZZ69634		0.008	0.19	0.76	28	0.09	7.58	359	1.3
ZZ69635		0.010	0.16	0.90	34	0.11	11.30	219	1.3
ZZ69636		0.005	0.15	2.07	32	0.08	9.62	166	1.6
ZZ69637		0.006	0.17	1.57	29	0.08	7.04	202	1.5
ZZ69638		0.010	0.16	1.66	30	0.11	10.15	228	1.2
ZZ69639		0.008	0.20	0.69	24	0.15	8.17	86	0.8
ZZ69640		0.007	0.19	1.70	42	0.23	12.80	116	1.8
ZZ69641		0.007	0.17	1.48	35	0.08	10.35	135	1.7
ZZ69642		0.007	0.20	1.11	39	0.11	12.20	153	1.8
ZZ69643		0.006	0.18	1.05	33	0.08	11.00	154	1.8
ZZ69644		0.006	0.12	0.92	32	0.07	10.75	118	1.9
ZZ69645		0.005	0.11	0.94	33	0.05	11.15	107	1.4
ZZ69646		0.008	0.11	0.90	33	0.06	11.70	111	1.5
ZZ69647		<0.005	0.14	0.87	31	0.06	11.40	131	2.0
ZZ69648		0.007	0.16	1.06	36	0.07	12.60	125	1.9
ZZ69649		0.017	0.25	1.35	42	0.16	11.65	146	1.1
ZZ69650		0.014	0.36	1.22	25	0.16	11.25	581	0.9
DD015001		0.009	0.30	0.75	46	0.18	4.93	121	0.6
DD015002		0.005	0.32	1.28	43	0.12	13.70	132	1.5
DD015003		0.008	0.17	0.40	38	0.11	3.03	67	<0.5
DD015004		0.008	0.39	1.16	45	0.16	9.48	199	1.8
DD015005		<0.005	0.25	0.67	30	0.07	4.59	196	1.2
DD015006		<0.005	0.42	1.27	42	0.11	12.70	289	2.2
DD015007		0.022	0.27	1.32	56	0.26	8.94	238	<0.5
DD015008		0.010	0.34	1.09	47	0.21	5.80	300	0.8
DD015009		<0.005	0.51	1.40	44	0.13	17.45	264	2.4
DD015010		0.005	0.55	1.04	46	0.17	8.26	200	1.7
DD015011		<0.005	0.43	1.29	40	0.10	12.70	249	2.8
DD015012		0.013	0.29	1.70	39	0.18	13.30	223	1.2
DD015013		0.013	0.35	1.52	34	0.17	9.83	199	1.1
DD015014		0.016	0.55	1.25	53	0.19	7.88	154	1.3
DD015015		0.012	1.07	1.97	51	0.18	13.15	191	2.1
DD015016		0.020	0.48	1.30	41	0.17	11.20	158	1.2
DD015017		0.007	0.34	1.39	42	0.13	11.05	199	1.2
DD015018		0.007	0.37	1.10	42	0.11	9.77	180	1.5
DD015019		0.008	0.39	1.64	22	0.10	10.25	458	0.9
DD015020		0.015	0.24	1.09	29	0.14	11.35	178	0.7
DD015021		0.014	0.20	0.88	40	0.15	6.62	149	1.4



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015022		0.11	0.003	0.10	0.83	84.0	<0.2	<10	280	0.67	0.26	2.87	0.47	17.05	12.2	14
DD015023		0.15	0.003	0.12	0.97	85.1	<0.2	<10	440	0.90	0.22	1.35	0.54	18.25	12.2	16
DD015024		0.12	NSS	0.16	1.07	97.4	<0.2	<10	350	0.87	0.24	1.65	0.68	15.00	12.4	16
DD015025		0.16	0.003	0.14	1.09	78.5	<0.2	<10	220	0.75	0.25	1.09	0.20	13.55	10.0	17
DD015026		0.22	0.003	0.21	0.93	119.5	<0.2	<10	150	1.09	0.33	0.47	0.30	19.80	18.7	17
DD015027		0.15	0.032	0.18	1.01	72.7	<0.2	<10	250	0.69	0.19	1.86	0.38	9.88	8.4	14
DD015028		0.14	0.004	0.18	1.47	92.4	<0.2	<10	240	0.96	0.26	1.04	0.75	19.80	12.1	22
DD015029		0.23	0.004	0.21	1.38	79.1	<0.2	<10	380	1.37	0.29	0.66	0.36	18.25	13.1	24
DD015030		0.24	0.006	0.40	2.23	528	<0.2	<10	830	2.08	0.25	1.43	1.11	20.9	16.5	26
DD015031		0.10	0.006	0.45	1.29	104.0	<0.2	<10	730	1.13	0.22	3.48	5.11	13.95	11.9	17
DD015032		0.11	0.006	0.34	0.94	587	<0.2	<10	530	0.82	0.19	3.88	7.70	12.50	12.9	13
DD015033		0.23	0.002	0.02	1.01	140.0	<0.2	<10	70	0.17	0.28	0.12	0.07	19.80	5.1	16
DD015034		0.16	0.002	0.01	1.20	26.8	<0.2	<10	70	0.30	0.33	0.04	0.04	21.9	8.5	20
DD015035		0.11	0.005	0.18	0.77	295	<0.2	<10	560	0.89	0.30	1.25	1.11	13.20	14.5	12
DD015036		0.16	0.004	0.04	1.08	11.5	<0.2	<10	530	0.82	0.30	0.23	0.55	13.95	10.9	14
DD015037		0.16	0.006	0.20	0.76	13.6	<0.2	<10	480	1.28	0.30	0.76	0.11	13.50	12.8	14
DD015038		0.16	0.005	0.16	1.01	18.5	<0.2	<10	320	1.03	0.28	1.15	0.43	11.40	11.8	17
DD015039		0.29	0.002	0.15	1.11	18.3	<0.2	<10	310	1.07	0.28	1.51	0.65	13.80	12.8	19
DD015040		0.20	0.003	0.17	1.14	20.0	<0.2	<10	300	1.05	0.27	1.45	0.47	12.15	10.1	19
DD015041		0.19	0.002	0.17	1.09	22.3	<0.2	<10	320	1.05	0.29	1.44	0.54	12.85	10.7	19
DD015042		0.22	0.003	0.19	1.11	21.3	<0.2	<10	380	0.96	0.24	1.06	0.58	13.95	12.0	19
DD015043		0.16	0.003	0.07	1.32	21.9	<0.2	<10	210	0.75	0.28	0.70	0.28	23.3	10.6	25
DD015044		0.17	0.003	0.16	1.29	25.6	<0.2	<10	190	0.89	0.26	0.70	0.29	20.4	12.8	24
DD015045		0.18	0.004	0.20	1.32	16.6	<0.2	<10	270	0.77	0.26	1.40	0.57	19.95	10.9	24
DD015051		0.16	0.004	0.11	0.53	117.0	<0.2	<10	80	0.55	0.18	4.08	0.54	12.30	6.1	11
DD015052		0.26	0.002	0.05	1.07	28.7	<0.2	<10	180	0.89	0.35	0.49	0.10	15.60	12.2	18
DD015053		0.26	0.002	0.11	1.27	96.7	<0.2	<10	230	1.22	0.32	0.52	0.23	22.9	15.0	20
DD015054		0.32	0.003	0.10	1.39	56.9	<0.2	<10	290	1.17	0.35	0.49	0.16	23.4	12.8	23
DD015055		0.33	0.004	0.15	1.15	74.2	<0.2	<10	170	1.04	0.31	0.41	0.32	24.7	13.8	21
DD015056		0.34	0.003	0.05	1.64	94.0	<0.2	<10	200	1.08	0.28	0.21	0.24	27.3	13.3	25
DD015057		0.36	0.003	0.07	1.73	144.5	<0.2	<10	230	1.20	0.32	0.14	0.19	25.5	12.7	26
DD015058		0.33	0.002	0.02	1.39	179.0	<0.2	<10	160	0.63	0.38	0.14	0.12	11.80	11.1	19
DD015059		0.24	0.002	0.12	1.92	151.5	<0.2	<10	320	1.48	0.34	0.36	0.24	26.0	11.8	26
DD015060		0.26	0.002	0.08	1.90	132.5	<0.2	<10	320	0.80	0.30	0.39	0.16	13.00	8.7	25
DD015061		0.33	0.004	0.10	1.49	124.0	<0.2	<10	230	1.04	0.30	0.16	0.24	27.5	13.4	23
DD015062		0.20	0.002	0.31	0.67	121	<0.2	<10	170	0.67	0.15	12.00	0.81	15.15	7.3	10
DD015063		0.26	0.002	0.05	1.92	183.0	<0.2	<10	460	0.76	0.31	0.33	0.43	15.60	8.1	27
DD015064		0.28	0.003	0.21	1.16	229	<0.2	<10	150	0.98	0.19	7.78	1.25	14.95	9.4	15
DD015065		0.18	0.003	0.09	2.44	243	<0.2	<10	270	1.46	0.28	1.15	0.61	24.9	9.9	31
DD015066		0.20	0.004	0.18	1.61	254	<0.2	<10	220	1.12	0.26	2.37	0.48	23.0	9.2	23



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015022		1.83	19.8	3.16	2.45	<0.05	0.05	0.96	0.030	0.08	8.5	7.6	0.80	959	0.67	0.02
DD015023		6.04	28.7	3.82	3.03	0.05	0.05	5.40	0.037	0.09	8.5	9.5	0.38	1500	1.10	0.02
DD015024		3.57	28.5	3.19	3.30	<0.05	0.05	0.75	0.035	0.09	7.4	10.1	0.38	763	0.92	0.02
DD015025		4.53	25.8	2.94	3.32	<0.05	0.05	0.71	0.027	0.10	6.6	9.9	0.32	510	0.83	0.02
DD015026		17.00	41.5	3.91	3.22	0.05	0.05	2.30	0.034	0.12	7.7	11.2	0.31	1200	1.13	0.02
DD015027		4.62	24.4	2.35	2.99	<0.05	0.05	0.81	0.026	0.08	5.1	7.4	0.38	459	0.79	0.02
DD015028		7.35	30.5	3.11	4.66	<0.05	0.03	0.88	0.029	0.09	9.4	12.9	0.38	798	1.05	0.02
DD015029		11.00	38.3	4.11	4.45	0.06	0.05	1.57	0.038	0.11	10.8	17.3	0.41	786	1.45	0.02
DD015030		31.3	52.6	3.54	5.26	0.06	0.12	2.11	0.045	0.16	12.6	19.3	0.39	1570	1.30	0.02
DD015031		5.82	68.6	2.86	3.34	<0.05	0.07	3.25	0.036	0.10	9.6	8.8	1.32	1170	0.81	0.03
DD015032		2.75	37.4	2.70	2.55	<0.05	0.05	4.70	0.026	0.09	7.2	6.1	1.48	1400	0.63	0.02
DD015033		10.00	10.7	2.95	6.61	<0.05	<0.02	0.06	0.016	0.05	10.0	7.5	0.16	239	1.42	0.01
DD015034		19.70	10.4	3.92	6.99	<0.05	0.03	0.03	0.031	0.06	10.9	12.9	0.15	407	1.64	0.01
DD015035		11.00	34.4	2.74	2.43	<0.05	0.03	1.66	0.028	0.10	6.7	5.9	0.22	952	0.63	0.02
DD015036		7.76	50.0	2.73	4.09	0.05	0.03	50.0	0.026	0.16	8.1	3.4	0.08	713	0.97	0.02
DD015037		6.31	33.9	2.81	2.44	<0.05	0.08	0.32	0.029	0.14	7.4	6.1	0.22	521	0.75	0.02
DD015038		2.58	32.8	2.97	3.31	<0.05	0.08	0.36	0.026	0.12	6.0	11.5	0.33	656	1.25	0.02
DD015039		1.63	31.4	2.97	3.73	<0.05	0.06	0.36	0.029	0.12	6.2	14.6	0.62	559	1.25	0.02
DD015040		1.55	30.5	3.03	3.76	<0.05	0.17	0.36	0.031	0.13	6.4	14.2	0.40	330	1.33	0.02
DD015041		1.39	29.8	2.94	3.56	<0.05	0.06	0.40	0.032	0.12	6.3	15.2	0.37	410	1.49	0.02
DD015042		1.23	28.9	3.04	3.62	<0.05	0.06	0.36	0.032	0.11	6.4	14.5	0.34	575	1.61	0.02
DD015043		0.85	18.3	3.24	4.44	<0.05	0.04	0.12	0.031	0.08	9.6	19.6	0.45	557	1.04	0.01
DD015044		1.06	25.2	3.47	4.04	<0.05	0.06	0.25	0.027	0.10	8.8	19.5	0.46	566	1.20	0.01
DD015045		0.77	26.9	2.93	3.72	<0.05	0.05	0.26	0.027	0.08	8.6	16.2	0.48	555	0.79	0.01
DD015051		3.16	13.9	2.33	1.46	<0.05	0.05	0.66	0.013	0.06	5.3	3.7	1.79	663	0.47	0.01
DD015052		1.42	25.9	3.31	3.30	<0.05	0.05	0.52	0.025	0.09	6.4	9.3	0.27	610	0.98	0.01
DD015053		1.81	30.1	4.09	3.56	0.05	0.05	0.94	0.031	0.07	8.9	9.4	0.26	1330	0.91	0.01
DD015054		3.82	24.3	3.75	3.78	<0.05	0.07	0.52	0.029	0.09	9.6	10.5	0.33	891	0.85	0.01
DD015055		4.24	29.7	3.91	3.44	0.05	0.07	1.04	0.028	0.08	11.8	13.2	0.35	1220	0.89	0.01
DD015056		1.88	23.6	4.00	4.49	0.05	0.05	0.89	0.033	0.06	10.6	13.1	0.34	991	1.12	<0.01
DD015057		1.98	20.1	4.28	4.48	<0.05	0.05	1.50	0.033	0.06	9.2	13.2	0.31	1070	0.96	<0.01
DD015058		3.23	26.4	4.10	4.50	<0.05	0.02	1.19	0.028	0.07	5.1	10.7	0.16	902	1.14	0.01
DD015059		2.96	19.3	4.37	4.97	0.06	0.07	1.69	0.031	0.09	12.2	14.8	0.31	1120	0.86	0.01
DD015060		2.56	14.8	4.04	5.56	<0.05	0.03	1.15	0.028	0.06	5.9	16.2	0.27	806	1.04	0.01
DD015061		2.48	27.2	3.91	3.88	0.05	0.04	1.50	0.030	0.07	12.1	11.7	0.31	1360	0.89	<0.01
DD015062		0.57	13.2	3.30	1.54	0.06	0.07	1.22	0.015	0.03	9.3	3.4	7.28	2060	0.37	0.02
DD015063		1.62	13.7	4.27	6.06	<0.05	0.02	2.72	0.033	0.06	6.7	15.9	0.34	982	1.32	0.01
DD015064		0.95	17.9	3.13	3.27	0.05	0.07	13.40	0.028	0.06	8.5	10.2	4.83	1240	0.85	0.02
DD015065		2.01	16.0	4.94	5.63	0.06	0.09	5.15	0.035	0.06	11.5	15.9	0.85	1580	0.92	0.01
DD015066		1.28	16.9	4.53	4.19	0.06	0.07	2.47	0.026	0.06	13.5	11.3	1.32	1930	0.82	0.01

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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015022	0.05	0.42	21.5	830	41.0	7.0	0.001	0.09	2.01	4.4	0.3	0.5	24.6	<0.01	0.07	1.6
DD015023		0.39	23.2	620	25.8	10.3	<0.001	0.06	1.23	4.2	0.9	0.5	16.4	<0.01	0.04	1.9
DD015024		0.44	23.5	880	48.8	10.5	<0.001	0.09	2.10	3.5	0.5	0.6	19.9	<0.01	0.06	1.2
DD015025		0.48	19.0	640	25.2	16.4	0.001	0.07	0.91	3.4	0.7	0.5	25.7	<0.01	0.05	1.2
DD015026		0.46	27.4	340	92.6	25.7	0.001	0.04	1.73	5.3	1.0	0.6	20.0	<0.01	0.05	3.3
DD015027		0.51	15.2	780	28.6	15.1	<0.001	0.11	0.87	2.4	0.5	0.5	30.2	<0.01	0.04	0.8
DD015028		0.69	21.9	1110	34.1	21.4	<0.001	0.10	0.84	3.0	0.9	0.6	32.9	<0.01	0.06	0.9
DD015029		0.53	31.6	610	40.2	19.3	<0.001	0.05	1.31	6.1	1.1	0.7	25.4	<0.01	0.06	2.8
DD015030		0.48	43.5	1070	32.6	32.4	0.001	0.09	1.14	9.2	2.2	0.7	39.8	<0.01	0.07	2.2
DD015031		0.39	31.4	840	82.6	14.4	<0.001	0.09	2.87	5.2	1.3	0.6	29.0	<0.01	0.06	1.4
DD015032		0.32	22.1	830	391	12.5	<0.001	0.10	2.47	3.3	0.7	0.4	32.5	<0.01	0.05	0.7
DD015033		1.52	10.3	210	13.4	12.3	<0.001	0.01	0.69	1.7	<0.2	0.9	6.8	<0.01	0.05	3.0
DD015034		1.88	11.8	300	13.6	13.6	<0.001	0.02	0.72	2.1	<0.2	0.9	5.8	<0.01	0.07	4.2
DD015035		0.40	21.4	550	65.2	13.7	0.001	0.07	1.95	4.5	0.4	0.5	18.7	<0.01	0.05	1.1
DD015036		0.54	17.2	360	13.6	23.7	<0.001	0.03	0.43	4.6	<0.2	0.7	13.7	<0.01	0.03	2.5
DD015037		0.43	19.9	380	15.0	20.0	<0.001	0.05	0.45	5.0	0.5	0.5	26.3	<0.01	0.04	3.0
DD015038		0.43	26.3	540	18.6	13.4	<0.001	0.06	0.65	4.2	0.5	0.5	35.8	<0.01	0.05	2.6
DD015039		0.49	28.7	540	19.0	13.4	0.001	0.09	0.64	4.6	1.3	0.6	53.8	<0.01	0.03	2.9
DD015040		0.51	27.0	550	17.4	13.0	0.001	0.07	0.69	4.4	0.5	0.6	56.6	<0.01	0.04	2.5
DD015041		0.49	29.2	580	18.7	11.9	0.001	0.07	0.76	4.4	2.1	0.6	46.0	<0.01	0.04	2.6
DD015042		0.47	30.6	580	18.4	10.3	0.001	0.06	0.78	4.3	1.6	0.6	38.8	<0.01	0.05	2.3
DD015043		0.75	25.9	330	19.9	9.2	0.001	0.03	0.61	3.8	0.5	0.5	37.2	<0.01	0.02	2.8
DD015044		0.54	29.4	350	20.9	11.7	<0.001	0.04	0.65	4.5	1.0	0.5	36.2	<0.01	0.03	2.3
DD015045		0.57	31.7	700	15.8	9.8	<0.001	0.07	0.55	3.3	0.2	0.4	56.6	<0.01	0.04	1.5
DD015051		0.20	16.7	1000	31.4	6.3	<0.001	0.09	1.99	1.6	0.6	0.2	53.2	<0.01	0.02	1.2
DD015052		0.39	23.6	320	19.7	9.3	0.001	0.03	0.52	3.2	0.3	0.5	22.3	<0.01	0.02	2.6
DD015053		0.28	30.0	400	30.3	9.5	<0.001	0.03	1.04	4.2	1.0	0.5	27.3	<0.01	0.04	2.3
DD015054		0.43	26.6	500	21.5	12.9	0.001	0.03	0.68	4.3	0.5	0.5	21.8	<0.01	0.03	2.5
DD015055		0.45	34.3	760	27.4	11.0	<0.001	0.02	1.20	4.6	1.0	0.5	22.9	<0.01	0.04	3.5
DD015056		0.47	31.3	420	32.9	11.1	<0.001	0.03	1.13	4.0	0.5	0.6	11.6	<0.01	0.03	2.5
DD015057		0.44	28.4	490	36.0	11.1	<0.001	0.03	1.43	4.0	0.5	0.6	9.8	<0.01	0.03	2.6
DD015058		0.47	22.8	340	33.4	17.2	<0.001	0.02	1.44	2.9	0.3	0.6	11.5	<0.01	0.03	1.9
DD015059		0.37	29.0	600	36.6	14.4	0.001	0.04	1.44	5.6	1.3	0.7	15.5	<0.01	0.04	2.8
DD015060		0.60	19.6	410	36.6	13.0	<0.001	0.03	1.36	3.3	0.6	0.7	17.0	<0.01	0.05	2.5
DD015061		0.38	30.2	330	36.9	10.1	<0.001	0.02	1.53	5.3	1.4	0.5	11.2	<0.01	0.03	3.1
DD015062		0.11	12.6	1080	40.7	4.7	0.001	0.07	2.41	2.5	0.7	0.3	66.4	<0.01	0.04	0.8
DD015063		0.64	17.9	460	40.7	9.0	<0.001	0.03	1.51	2.8	0.4	0.7	10.2	<0.01	0.05	1.9
DD015064		0.18	24.8	810	44.5	8.3	<0.001	0.03	2.43	5.0	0.8	0.5	48.9	<0.01	0.06	3.0
DD015065		0.38	24.9	540	46.9	11.9	0.001	0.03	2.32	6.3	1.3	0.7	9.8	<0.01	0.03	3.7
DD015066		0.36	24.1	890	35.4	10.2	<0.001	0.05	2.12	4.3	0.8	0.5	13.6	<0.01	0.07	1.8

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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015022		0.006	0.32	0.92	23	0.16	11.80	214	1.4
DD015023		0.005	0.36	1.77	26	0.09	12.85	182	1.3
DD015024		0.005	0.39	2.62	27	0.08	10.15	297	1.5
DD015025		0.006	0.24	1.71	27	0.11	7.95	131	1.2
DD015026		0.008	0.29	1.36	27	0.10	11.80	421	1.6
DD015027		0.005	0.17	0.80	24	0.07	6.43	142	1.4
DD015028		0.012	0.18	1.55	38	0.12	8.99	193	1.0
DD015029		0.007	0.23	1.20	39	0.08	17.80	256	1.5
DD015030		<0.005	0.45	1.93	40	0.10	30.3	229	3.1
DD015031		<0.005	0.67	1.24	27	0.14	15.10	2450	2.0
DD015032		0.005	0.41	1.70	21	0.11	9.40	3460	1.3
DD015033		0.022	0.17	0.37	57	0.21	1.75	80	0.5
DD015034		0.028	0.13	0.42	64	0.28	1.84	45	1.6
DD015035		0.006	0.56	1.23	19	0.11	11.00	395	1.0
DD015036		0.007	0.12	2.02	27	0.09	7.64	52	1.1
DD015037		0.005	0.14	0.91	20	0.07	12.05	59	2.3
DD015038		0.005	0.24	1.09	28	0.07	10.05	95	2.5
DD015039		0.005	0.21	0.94	32	0.08	10.30	111	2.4
DD015040		0.005	0.21	1.19	32	0.07	10.45	111	2.3
DD015041		0.005	0.21	1.27	35	0.07	10.50	120	2.1
DD015042		0.005	0.20	1.09	39	0.07	10.30	124	1.8
DD015043		0.020	0.11	0.84	40	0.12	6.64	102	1.0
DD015044		0.013	0.14	0.74	37	0.10	9.11	111	1.2
DD015045		0.014	0.10	1.10	34	0.09	8.89	116	1.3
DD015051		0.006	0.95	1.32	15	0.09	6.19	157	1.6
DD015052		0.008	0.16	0.71	28	0.08	4.11	92	1.1
DD015053		0.005	0.32	1.40	31	0.10	8.58	144	1.4
DD015054		0.008	0.18	1.03	34	0.11	8.78	114	1.5
DD015055		0.014	0.34	1.00	33	0.09	12.10	163	1.7
DD015056		0.006	0.29	0.85	40	0.12	8.53	167	1.2
DD015057		0.006	0.29	0.97	40	0.12	7.87	174	1.2
DD015058		0.006	0.27	0.53	36	0.09	2.91	140	<0.5
DD015059		<0.005	0.34	1.25	39	0.10	16.00	182	1.4
DD015060		0.006	0.34	0.61	48	0.11	3.44	152	0.7
DD015061		0.007	0.33	1.20	34	0.11	15.20	154	1.0
DD015062		<0.005	0.28	1.57	19	0.06	11.85	193	1.4
DD015063		0.008	0.41	0.66	54	0.16	3.44	291	0.6
DD015064		<0.005	0.37	1.52	25	0.06	16.45	668	2.0
DD015065		<0.005	0.52	1.31	48	0.11	13.35	365	2.2
DD015066		0.007	0.34	1.73	36	0.10	18.20	209	1.4



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015067		0.26	0.002	0.07	0.77	107	<0.2	<10	110	0.58	0.11	12.50	0.38	8.93	3.8	10
DD015068		0.33	0.003	0.12	0.99	208	<0.2	<10	140	0.86	0.22	5.99	0.59	15.55	11.6	16
DD015069		0.18	0.002	0.06	1.73	27.3	<0.2	<10	210	0.43	0.26	0.56	0.17	22.3	8.0	28
DD015070		0.25	0.002	0.09	0.95	189.5	<0.2	<10	110	0.56	0.10	5.40	0.83	16.25	3.0	12
DD015071		0.27	0.002	0.09	1.73	341	<0.2	<10	230	1.33	0.31	0.64	0.81	27.6	17.7	25
DD015072		0.30	0.003	0.11	2.23	138.5	<0.2	<10	290	1.26	0.30	0.31	0.23	25.4	10.5	31
DD015073		0.27	0.003	0.13	1.31	81.6	<0.2	<10	190	0.91	0.23	3.67	0.35	17.05	9.0	19
DD015074		0.17	0.002	0.12	0.63	51	<0.2	<10	130	0.67	0.14	12.75	0.55	12.65	5.8	10
DD015075		0.28	0.003	0.13	1.19	283	<0.2	<10	170	0.88	0.20	5.72	0.54	14.45	7.0	17
DD015076		0.25	0.002	0.06	0.62	126	<0.2	<10	90	0.48	0.10	12.80	0.50	9.40	4.0	9
DD015077		0.30	0.003	0.18	1.06	73.0	<0.2	<10	210	0.87	0.27	3.48	0.41	16.25	11.4	18
DD015078		0.19	0.003	0.18	0.85	77.5	<0.2	<10	200	0.70	0.27	1.37	0.49	16.30	10.5	15
DD015079		0.15	0.002	0.44	0.77	282	<0.2	<10	210	0.84	0.30	0.42	0.16	23.4	14.1	16
DD015080		0.28	0.003	0.19	1.28	55.0	<0.2	<10	240	1.03	0.29	0.59	0.28	20.8	13.1	25
DD015081		0.17	0.005	0.15	1.11	53.8	<0.2	<10	360	1.30	0.31	0.65	0.22	23.1	11.4	18
DD015082		0.20	0.003	0.07	1.48	85.0	<0.2	<10	470	0.76	0.30	0.34	0.20	21.3	8.6	24
DD015083		0.21	0.002	0.03	0.99	47.1	<0.2	<10	60	0.33	0.36	0.04	0.11	11.00	7.3	18
DD015084		0.24	0.002	0.07	1.62	39.9	<0.2	<10	300	0.95	0.37	0.29	0.37	19.25	16.5	24
DD015085		0.35	0.004	0.15	1.64	42.9	<0.2	<10	210	0.95	0.32	0.56	1.42	21.7	13.4	25
DD015086		0.30	0.003	0.03	1.64	34.8	<0.2	<10	210	0.83	0.38	0.14	0.29	14.55	16.0	23
DD015087		0.17	0.002	0.10	2.76	77.6	<0.2	<10	310	1.45	0.26	1.22	2.49	38.8	8.0	32
DD015088		0.34	0.004	0.21	1.75	142.0	<0.2	<10	330	1.26	0.33	0.79	0.56	22.8	14.5	26
DD015089		0.13	0.006	0.15	0.92	129.0	<0.2	<10	180	0.67	0.17	7.40	1.08	12.80	8.9	13
DD015090		0.18	0.003	0.11	1.41	74.9	<0.2	<10	280	1.08	0.26	4.18	1.04	19.00	10.8	19
DD015091		0.21	0.012	0.29	0.47	99	<0.2	<10	330	0.47	0.14	12.65	1.51	10.25	6.8	8
DD015092		0.16	0.012	0.15	0.55	46.9	<0.2	10	660	0.35	0.12	5.04	1.48	7.58	5.2	6
DD015093		0.39	0.006	0.16	0.84	48.0	<0.2	10	690	0.96	0.32	1.53	0.52	10.95	11.6	13
DD015094		0.23	0.007	0.19	0.98	30.0	<0.2	10	590	0.95	0.28	2.35	0.80	13.00	9.8	15
DD015095		0.19	0.008	0.19	0.94	27.5	<0.2	10	320	0.80	0.24	1.98	0.70	13.45	9.7	15
DD015096		0.28	0.002	0.17	0.95	27.9	<0.2	10	340	0.77	0.25	1.69	0.71	13.90	11.6	16
DD015097		0.24	0.003	0.21	1.04	24.7	<0.2	10	370	0.91	0.25	1.73	0.59	12.90	9.4	17
DD015098		0.21	0.003	0.11	1.43	32.6	<0.2	<10	260	1.05	0.33	0.73	0.33	19.05	11.8	23
CC143031		0.12	0.011	0.14	1.18	36.1	<0.2	<10	290	0.80	0.26	1.41	0.40	13.15	9.9	17
CC143032		0.25	0.009	0.13	1.05	43.6	<0.2	<10	180	0.77	0.26	0.68	0.38	16.00	12.1	18
CC143033		0.12	0.012	0.06	0.84	37.5	<0.2	10	270	0.69	0.19	2.23	0.44	9.90	7.4	12
CC143034		0.18	0.013	0.10	0.70	19.2	<0.2	10	340	0.54	0.15	2.90	0.60	8.04	7.8	10
CC143035		0.18	0.009	0.12	0.93	28.8	<0.2	10	230	0.70	0.21	1.98	0.32	11.05	7.5	14
CC143036		0.21	0.003	0.19	1.04	34.1	<0.2	<10	260	0.78	0.26	1.32	0.50	14.80	12.1	16
CC143037		0.17	0.004	0.16	1.10	18.2	<0.2	<10	340	0.65	0.20	2.58	0.61	12.30	7.7	15
CC143038		0.21	0.004	0.14	1.09	20.1	<0.2	10	360	0.80	0.24	2.28	0.53	12.75	10.3	16



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015067		0.58	6.1	2.59	1.89	<0.05	0.02	0.71	0.011	0.03	4.9	5.4	7.89	1720	0.41	0.02
DD015068		1.13	21.7	3.30	2.83	<0.05	0.05	2.75	0.027	0.08	7.7	9.9	3.85	1400	0.85	0.02
DD015069		1.43	8.2	2.90	5.90	<0.05	0.02	0.26	0.020	0.04	9.7	15.4	0.46	657	0.82	0.01
DD015070		0.55	3.9	1.89	1.68	<0.05	0.03	0.74	0.011	0.02	6.6	4.5	3.16	1640	0.45	0.01
DD015071		1.80	21.1	4.78	4.15	0.05	0.04	2.86	0.037	0.07	9.4	12.1	0.52	1820	0.92	0.01
DD015072		1.64	15.8	4.72	5.62	0.06	0.08	2.02	0.036	0.08	13.2	14.8	0.42	866	1.14	0.01
DD015073		0.80	15.6	3.08	3.51	<0.05	0.05	1.09	0.024	0.07	8.2	10.3	2.05	1040	0.76	0.01
DD015074		0.68	10.8	3.18	1.55	0.05	0.05	1.28	0.011	0.04	8.5	4.2	7.71	1890	0.44	0.03
DD015075		0.82	12.6	3.68	2.96	<0.05	0.03	2.35	0.019	0.06	7.7	8.3	3.27	1560	0.72	0.01
DD015076		0.69	6.4	1.78	1.55	<0.05	0.02	0.31	0.007	0.03	4.7	5.0	8.02	1400	0.47	0.02
DD015077		1.10	25.7	3.16	3.21	0.05	0.06	0.96	0.022	0.09	7.8	12.5	1.92	723	0.98	0.01
DD015078		3.12	14.4	2.81	2.40	<0.05	0.04	1.03	0.024	0.07	6.6	8.2	0.38	855	0.59	0.01
DD015079		8.24	20.9	2.79	2.51	<0.05	0.03	1.75	0.023	0.10	9.4	8.3	0.21	568	0.86	0.01
DD015080		6.25	32.8	3.36	3.99	0.05	0.06	0.73	0.029	0.10	9.9	16.6	0.41	622	1.37	0.01
DD015081		13.15	30.4	3.05	3.37	0.06	0.04	0.70	0.032	0.14	10.2	11.3	0.26	1020	1.03	0.01
DD015082		4.17	21.9	3.06	5.04	<0.05	0.04	0.54	0.027	0.08	9.0	20.1	0.34	439	1.15	0.01
DD015083		5.26	16.8	3.47	5.13	<0.05	<0.02	0.52	0.022	0.06	5.0	6.8	0.16	363	1.70	<0.01
DD015084		1.16	27.0	4.43	4.92	0.06	0.04	1.11	0.040	0.06	6.6	18.9	0.40	945	1.61	0.01
DD015085		1.67	16.5	4.19	4.93	0.07	0.04	4.95	0.035	0.06	9.1	17.0	0.52	912	1.24	<0.01
DD015086		1.22	29.5	4.42	5.09	0.06	0.02	0.48	0.039	0.05	5.9	20.4	0.37	715	2.86	<0.01
DD015087		1.24	11.8	5.81	4.85	0.12	0.07	0.35	0.040	0.04	20.2	12.8	0.57	2770	1.05	0.01
DD015088		1.08	29.3	4.35	4.87	0.08	0.10	2.37	0.038	0.08	11.1	16.2	0.61	1080	1.94	0.01
DD015089		0.78	17.4	2.67	2.74	0.05	0.05	1.51	0.020	0.07	5.9	10.4	4.11	1140	0.91	0.02
DD015090		0.72	18.7	3.31	3.89	0.06	0.07	0.78	0.030	0.08	10.7	12.4	2.29	1050	1.36	0.01
DD015091		3.19	15.0	2.51	1.61	0.06	0.07	4.02	0.020	0.05	5.9	3.0	7.14	1260	0.95	0.02
DD015092		3.13	19.3	1.53	1.36	<0.05	0.04	0.88	0.014	0.05	4.3	3.2	1.72	671	0.44	0.02
DD015093		6.18	30.5	2.72	2.48	<0.05	0.06	0.89	0.028	0.12	5.3	7.7	0.37	463	0.82	0.02
DD015094		2.15	26.2	2.84	2.83	0.05	0.06	0.61	0.029	0.10	7.4	9.8	0.73	583	1.25	0.02
DD015095		1.22	27.8	2.73	2.76	0.05	0.06	0.52	0.027	0.11	6.7	12.3	0.57	486	1.39	0.01
DD015096		0.97	25.0	2.91	2.86	0.06	0.06	0.50	0.026	0.10	6.6	12.3	0.61	601	1.56	0.01
DD015097		0.95	28.5	2.94	3.05	0.06	0.07	0.46	0.028	0.10	6.8	11.8	0.38	487	1.49	0.01
DD015098		1.24	31.8	3.85	4.39	0.07	0.07	0.43	0.037	0.11	8.7	14.7	0.33	632	1.55	0.01
CC143031		1.02	22.8	2.90	3.41	0.05	0.06	0.42	0.029	0.08	6.3	11.0	0.32	459	1.02	0.01
CC143032		1.47	19.0	3.30	3.18	0.06	0.06	0.40	0.032	0.10	6.9	13.3	0.36	651	0.95	0.01
CC143033		1.56	26.0	2.16	2.36	0.05	0.06	0.33	0.022	0.08	5.3	8.2	0.38	418	0.66	0.01
CC143034		0.86	19.8	1.75	2.00	<0.05	0.04	0.26	0.017	0.06	3.9	6.8	0.33	484	0.49	0.01
CC143035		0.94	21.0	2.32	2.67	<0.05	0.05	0.36	0.023	0.07	5.6	9.5	0.33	323	0.76	0.01
CC143036		1.98	24.4	2.98	2.99	0.05	0.06	0.43	0.032	0.09	6.7	10.8	0.31	585	0.79	0.01
CC143037		0.88	19.0	2.17	2.97	<0.05	0.05	0.22	0.024	0.06	5.7	9.7	0.32	392	0.72	0.01
CC143038		1.00	18.1	2.74	3.08	0.05	0.06	0.29	0.027	0.08	5.8	13.4	0.41	808	0.62	0.01

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



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015067		0.25	8.3	690	16.4	5.8	<0.001	0.04	1.04	1.5	0.3	0.3	56.1	<0.01	0.01	0.9
DD015068		0.27	26.8	790	50.2	6.9	<0.001	0.03	2.71	4.2	0.9	0.4	36.2	<0.01	0.06	2.9
DD015069		0.83	15.5	570	18.1	9.4	0.001	0.04	0.48	2.3	<0.2	0.7	13.0	<0.01	0.03	1.4
DD015070		0.23	7.6	760	22.1	4.1	0.001	0.05	2.52	1.3	<0.2	0.2	15.2	<0.01	0.02	0.9
DD015071		0.26	38.0	310	89.0	9.7	<0.001	0.02	3.30	9.5	0.4	0.6	10.4	<0.01	0.06	4.4
DD015072		0.53	26.7	370	56.0	11.4	<0.001	0.02	2.11	6.0	0.9	0.7	9.9	<0.01	0.04	4.4
DD015073		0.37	19.9	750	38.6	7.4	<0.001	0.05	1.83	3.2	0.8	0.4	21.0	<0.01	0.01	1.4
DD015074		0.15	12.9	860	24.0	4.5	0.001	0.06	2.67	2.5	0.5	0.3	83.4	<0.01	0.06	1.4
DD015075		0.34	16.1	1040	27.1	6.3	<0.001	0.06	2.20	2.7	0.9	0.4	31.9	<0.01	0.04	1.1
DD015076		0.23	8.4	670	21.4	5.4	<0.001	0.05	2.87	1.2	<0.2	0.3	49.2	<0.01	0.03	0.6
DD015077		0.34	27.6	670	99.9	6.6	0.001	0.05	2.20	4.1	0.7	0.5	22.8	<0.01	0.05	2.3
DD015078		0.33	18.4	670	67.3	6.6	<0.001	0.07	2.29	2.9	0.6	0.4	13.7	<0.01	0.04	1.2
DD015079		0.47	20.3	390	20.1	9.4	0.001	0.04	0.64	5.7	0.3	0.4	12.0	<0.01	0.05	2.7
DD015080		0.58	32.0	620	19.9	13.3	<0.001	0.03	0.83	5.8	1.5	0.5	15.9	<0.01	0.03	3.2
DD015081		0.38	23.3	600	22.3	18.1	<0.001	0.05	0.81	4.3	0.7	0.5	20.5	<0.01	0.05	2.0
DD015082		0.63	21.6	580	19.1	9.5	<0.001	0.04	0.60	3.2	0.3	0.6	18.9	<0.01	0.04	1.7
DD015083		0.70	16.9	210	21.9	12.2	<0.001	0.02	1.05	2.5	<0.2	0.7	6.5	<0.01	0.06	2.4
DD015084		0.54	30.7	280	81.8	10.2	<0.001	0.01	1.31	4.4	0.7	0.6	10.4	<0.01	0.05	3.3
DD015085		0.59	32.0	390	66.3	13.1	<0.001	0.02	1.54	4.6	1.0	0.6	13.4	<0.01	0.04	3.7
DD015086		0.59	29.6	250	30.5	11.7	<0.001	0.01	0.75	4.0	0.8	0.6	9.6	<0.01	0.04	3.0
DD015087		0.93	23.5	1350	20.0	9.3	<0.001	0.07	0.83	4.4	1.0	0.5	17.2	0.01	0.06	1.7
DD015088		0.54	37.8	430	52.1	11.1	<0.001	0.02	1.46	6.5	1.2	0.6	19.3	<0.01	0.05	4.2
DD015089		0.44	19.1	820	40.3	9.4	<0.001	0.06	1.64	3.1	0.8	0.3	47.4	<0.01	0.03	1.3
DD015090		0.54	22.3	660	31.3	10.0	<0.001	0.05	1.17	5.0	0.9	0.5	27.2	<0.01	0.04	2.1
DD015091		0.19	13.6	1420	56.6	5.1	<0.001	0.07	4.50	2.8	0.8	0.3	88.5	<0.01	0.04	1.1
DD015092		0.26	10.0	650	27.8	5.4	<0.001	0.12	2.59	1.3	0.9	0.3	35.2	<0.01	0.04	0.3
DD015093		0.41	21.0	600	31.3	11.2	<0.001	0.09	1.72	3.0	1.1	0.5	30.0	<0.01	0.06	1.0
DD015094		0.41	22.1	700	21.0	11.2	<0.001	0.07	0.96	3.8	1.2	0.5	31.2	<0.01	0.04	1.2
DD015095		0.45	27.0	660	18.7	11.8	0.001	0.08	0.92	4.1	1.5	0.4	66.5	<0.01	0.04	1.8
DD015096		0.45	28.2	630	19.8	10.2	0.001	0.05	0.78	4.0	1.3	0.4	48.8	<0.01	0.04	2.0
DD015097		0.43	25.1	670	16.7	9.6	0.002	0.10	0.83	3.6	2.6	0.4	54.3	<0.01	0.05	1.3
DD015098		0.57	30.7	340	24.4	8.9	<0.001	0.03	0.93	5.5	0.9	0.6	28.1	<0.01	0.05	3.7
CC143031		0.56	21.1	700	19.3	10.2	<0.001	0.08	0.60	3.4	1.3	0.4	35.0	<0.01	0.05	1.2
CC143032		0.51	23.6	580	22.0	14.3	<0.001	0.04	0.51	4.6	0.8	0.4	25.0	<0.01	0.03	2.5
CC143033		0.43	19.8	720	14.2	11.1	0.001	0.11	0.55	2.5	1.0	0.4	54.3	<0.01	0.03	0.9
CC143034		0.38	20.2	660	11.6	8.2	<0.001	0.12	0.49	1.6	1.0	0.3	60.9	<0.01	0.03	0.5
CC143035		0.47	18.9	710	16.2	9.9	<0.001	0.12	0.58	2.3	1.1	0.4	44.7	<0.01	0.04	0.7
CC143036		0.58	24.9	610	21.8	16.4	<0.001	0.06	0.58	4.1	1.1	0.4	37.5	<0.01	0.04	1.7
CC143037		0.60	17.9	910	11.7	10.4	<0.001	0.14	0.46	2.2	1.3	0.4	61.8	<0.01	0.04	0.6
CC143038		0.50	22.0	660	15.4	14.5	<0.001	0.12	0.40	2.9	1.4	0.4	60.9	<0.01	0.03	0.9

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015067		0.009	0.24	1.39	18	0.08	5.89	180	0.6
DD015068		0.006	0.35	1.09	25	0.08	11.20	302	1.3
DD015069		0.024	0.19	0.71	57	0.21	3.16	101	0.5
DD015070		0.010	0.26	1.19	17	0.09	6.52	180	0.8
DD015071		<0.005	0.69	0.97	35	0.11	12.15	529	1.1
DD015072		0.006	0.39	1.37	49	0.12	14.15	247	1.8
DD015073		0.008	0.17	1.30	33	0.11	9.29	108	1.1
DD015074		<0.005	0.28	1.47	15	0.06	9.62	80	1.1
DD015075		0.011	0.39	1.45	31	0.09	10.30	228	0.9
DD015076		0.011	0.24	1.52	17	0.08	5.12	131	0.6
DD015077		0.007	0.34	0.80	27	0.11	10.40	126	1.5
DD015078		0.007	0.49	0.86	24	0.11	7.67	239	1.1
DD015079		0.014	0.46	0.82	24	0.14	6.90	148	0.8
DD015080		0.014	0.19	1.46	38	0.09	14.85	127	1.5
DD015081		0.007	0.14	1.12	28	0.10	14.85	117	1.1
DD015082		0.012	0.14	0.90	48	0.17	6.17	102	0.8
DD015083		0.009	0.16	0.39	51	0.09	2.26	129	<0.5
DD015084		0.005	0.20	0.72	42	0.08	5.38	191	1.2
DD015085		<0.005	0.70	1.20	39	0.10	7.08	3590	1.4
DD015086		<0.005	0.19	0.60	41	0.06	4.14	180	0.8
DD015087		0.016	0.28	2.68	49	0.19	19.50	452	1.6
DD015088		<0.005	0.47	1.21	47	0.10	13.90	288	2.7
DD015089		0.005	0.37	1.40	21	0.11	8.85	364	1.4
DD015090		0.005	0.36	1.27	36	0.23	13.05	241	1.7
DD015091		<0.005	0.61	1.93	8	0.17	11.55	751	1.8
DD015092		<0.005	0.41	2.26	9	0.08	4.99	664	1.3
DD015093		<0.005	0.30	2.04	20	0.09	7.51	215	1.6
DD015094		<0.005	0.24	1.28	28	0.08	12.45	195	1.7
DD015095		<0.005	0.21	0.91	32	0.07	11.20	148	2.0
DD015096		<0.005	0.18	0.82	36	0.07	10.45	137	1.7
DD015097		<0.005	0.18	1.57	35	0.08	11.65	118	1.8
DD015098		0.005	0.20	0.96	35	0.07	11.25	109	2.2
CC143031		0.006	0.14	1.64	29	0.07	8.58	142	1.6
CC143032		0.006	0.16	0.93	27	0.07	7.86	161	1.6
CC143033		<0.005	0.13	3.57	19	0.06	7.99	182	1.7
CC143034		0.005	0.11	0.92	17	<0.05	5.30	129	1.3
CC143035		0.005	0.12	1.69	23	0.06	8.16	113	1.4
CC143036		0.005	0.16	1.30	26	0.09	8.44	156	1.5
CC143037		0.007	0.09	1.08	27	0.07	6.74	80	1.4
CC143038		0.005	0.13	1.21	25	0.07	8.01	100	1.5



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**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143039		0.15	0.009	0.12	0.85	13.5	<0.2	10	290	0.60	0.21	2.61	0.56	7.31	6.0	13
CC143040		0.25	0.003	0.15	1.40	22.2	<0.2	<10	280	1.16	0.35	1.07	0.38	13.30	12.7	22
CC143041		0.22	0.004	0.15	1.19	21.2	<0.2	<10	330	0.87	0.27	1.40	0.37	10.95	9.5	18
CC143042		0.24	0.003	0.14	1.13	19.3	<0.2	<10	220	0.84	0.27	1.40	0.46	11.75	9.9	17
CC143043		0.21	0.002	0.17	1.18	20.0	<0.2	<10	250	0.97	0.29	1.13	0.38	13.40	10.9	19
CC143044		0.21	0.003	0.03	2.21	10.0	<0.2	<10	150	1.10	0.44	0.16	0.09	11.85	22.0	38
CC143045		0.19	0.005	0.26	1.55	30.7	<0.2	<10	390	2.07	0.35	1.09	0.52	17.70	8.5	23
CC143046		0.25	0.001	0.08	1.25	20.6	<0.2	<10	260	0.60	0.28	0.53	0.16	18.25	10.4	21
CC143047		0.27	0.004	0.15	1.47	20.1	<0.2	<10	390	0.85	0.27	1.44	0.34	19.50	11.9	22
CC143048		0.30	0.002	0.14	1.34	19.4	<0.2	<10	440	0.92	0.28	1.34	0.50	15.90	11.7	20
CC143049		0.21	0.004	0.07	1.87	15.3	<0.2	<10	320	0.88	0.28	0.55	0.17	25.7	9.8	23

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143039		0.99	16.5	1.98	2.45	<0.05	0.04	0.22	0.021	0.07	3.6	8.9	0.38	238	0.68	0.01
CC143040		1.06	29.2	3.38	4.14	0.05	0.07	0.33	0.033	0.11	6.0	17.6	0.40	613	1.00	0.01
CC143041		0.59	24.0	2.86	3.59	0.05	0.06	0.27	0.028	0.09	5.3	12.4	0.29	349	1.29	0.01
CC143042		0.85	20.3	2.81	3.19	0.05	0.06	0.31	0.028	0.09	5.4	12.3	0.36	424	1.01	0.01
CC143043		0.92	28.0	3.22	3.46	0.05	0.06	0.34	0.032	0.09	6.3	13.5	0.32	486	1.22	0.01
CC143044		2.26	28.3	4.67	9.04	0.07	0.07	0.05	0.039	0.08	4.6	24.1	0.63	1240	0.66	0.01
CC143045		2.16	96.8	3.58	4.22	0.07	0.09	0.28	0.035	0.11	9.4	15.7	0.38	626	1.33	0.01
CC143046		0.66	16.5	3.48	3.67	0.06	0.04	0.09	0.032	0.07	7.1	17.8	0.39	642	0.96	0.01
CC143047		0.89	23.3	3.25	3.95	0.06	0.06	0.25	0.031	0.08	9.2	17.8	0.40	914	1.15	0.01
CC143048		0.65	30.9	3.54	3.76	0.06	0.06	1.03	0.037	0.08	7.3	14.9	0.41	546	1.37	0.01
CC143049		2.31	12.6	3.32	5.17	0.06	0.05	0.12	0.031	0.05	11.2	12.5	0.25	559	0.84	0.01

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC143039		0.46	14.2	620	11.2	13.3	<0.001	0.15	0.44	2.1	1.2	0.4	69.4	<0.01	0.03	0.6
CC143040		0.57	25.9	510	19.0	12.4	<0.001	0.05	0.50	4.7	1.0	0.6	35.2	<0.01	0.04	2.2
CC143041		0.54	23.3	510	15.9	7.6	<0.001	0.06	0.62	3.7	0.9	0.5	41.7	<0.01	0.04	1.7
CC143042		0.51	21.1	540	17.4	9.5	0.001	0.08	0.65	3.8	1.2	0.5	41.6	<0.01	0.04	1.6
CC143043		0.54	26.0	590	18.7	10.1	<0.001	0.05	0.62	4.1	1.1	0.5	36.4	<0.01	0.04	2.0
CC143044		0.53	31.1	300	39.6	10.1	<0.001	0.02	0.16	5.6	0.4	0.8	12.1	<0.01	0.03	4.2
CC143045		0.51	34.6	1340	30.4	18.8	<0.001	0.10	0.58	4.4	1.1	0.6	50.8	0.01	0.05	1.3
CC143046		0.69	21.3	320	19.2	7.1	<0.001	0.02	0.46	3.3	0.6	0.5	26.1	<0.01	0.04	2.3
CC143047		0.74	26.6	590	18.0	9.4	<0.001	0.06	0.57	4.2	1.1	0.5	40.5	<0.01	0.04	1.9
CC143048		0.51	31.0	520	19.6	8.3	<0.001	0.04	0.58	4.7	1.1	0.5	37.3	<0.01	0.04	1.9
CC143049		0.85	18.7	160	22.1	9.9	<0.001	0.01	0.28	4.4	0.4	0.8	19.5	<0.01	0.03	4.0

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12148781**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143039		0.005	0.10	0.94	20	0.06	5.21	92	1.4
CC143040		0.006	0.14	0.95	33	0.09	9.26	116	2.0
CC143041		0.005	0.12	1.00	34	0.08	7.22	103	1.8
CC143042		<0.005	0.13	1.25	29	0.07	8.40	115	1.8
CC143043		<0.005	0.13	1.44	32	0.08	9.94	117	1.7
CC143044		0.006	0.11	0.54	31	<0.05	5.29	115	2.5
CC143045		0.007	0.14	2.17	30	0.12	21.8	140	1.9
CC143046		0.013	0.11	0.80	31	0.11	4.08	77	1.0
CC143047		0.009	0.13	1.38	36	0.12	9.27	92	1.4
CC143048		<0.005	0.13	0.91	34	0.06	10.70	129	1.4
CC143049		0.007	0.32	0.75	42	0.10	5.72	79	1.7

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**CERTIFICATE OF ANALYSIS WH12148781**

<b>CERTIFICATE COMMENTS</b>	
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Applies to Method:	
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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12152300**

Project: Crag East 3  
 P.O. No.:  
 This report is for 138 Soil samples submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12152300**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143001		0.33	0.002	0.13	1.28	41.1	<0.2	<10	240	0.98	0.32	0.45	0.19	19.00	13.1	22
CC143002		0.30	0.002	0.14	1.54	47.6	<0.2	<10	290	1.11	0.32	0.48	0.63	25.5	12.0	25
CC143003		0.28	0.003	0.18	1.03	38.3	<0.2	<10	190	0.82	0.26	1.41	0.57	17.10	10.3	18
CC143004		0.27	<0.001	0.09	0.89	8.7	<0.2	<10	370	1.19	0.24	0.56	0.09	5.44	8.3	20
CC143005		0.34	0.002	0.14	1.50	49.8	<0.2	<10	280	1.25	0.35	0.25	0.32	23.7	16.4	25
CC143006		0.32	0.002	0.12	1.44	69.2	<0.2	<10	270	1.24	0.34	0.26	0.35	25.5	17.8	24
CC143007		0.30	0.002	0.10	1.52	34.0	<0.2	<10	260	1.09	0.31	0.24	0.16	19.65	11.2	24
CC143008		0.24	0.002	0.06	1.94	82.8	<0.2	<10	160	0.87	0.35	0.04	0.34	19.60	15.7	29
CC143009		0.23	0.002	0.12	1.54	50.0	<0.2	<10	300	1.32	0.35	0.25	0.21	19.75	16.2	25
CC143010		0.34	0.002	0.21	1.24	91.4	<0.2	<10	280	0.88	0.20	4.53	0.70	24.4	9.5	20
CC143011		0.25	0.001	0.07	1.71	71.4	<0.2	<10	310	1.33	0.33	0.11	0.26	24.2	16.3	25
CC143012		0.18	0.002	0.21	1.18	40.5	<0.2	<10	150	0.52	0.17	5.74	1.66	17.45	8.2	16
CC143013		0.19	0.001	0.20	1.09	47.1	<0.2	<10	190	0.62	0.17	8.22	0.39	25.9	8.8	15
CC143014		0.23	0.002	0.16	1.13	38.6	<0.2	<10	170	0.63	0.16	7.04	0.50	27.6	8.0	17
CC143015		0.28	0.002	0.14	0.49	129	<0.2	<10	70	0.47	0.14	13.30	2.04	25.8	8.8	9
CC143016		0.25	0.002	0.17	0.35	58	<0.2	<10	80	0.45	0.13	14.80	0.72	21.9	8.2	8
CC143017		0.24	0.001	0.07	0.58	37	<0.2	<10	70	0.46	0.08	14.45	0.66	11.20	4.7	7
CC143018		0.12	0.001	0.10	0.95	74.9	<0.2	<10	90	0.55	0.14	8.77	0.48	17.30	6.4	10
CC143019		0.22	0.002	0.15	0.83	224	<0.2	<10	100	0.58	0.13	9.64	0.67	18.55	6.6	13
CC143020		0.09	<0.001	0.08	1.20	56.6	<0.2	<10	240	0.63	0.25	1.26	0.41	18.55	10.9	20
CC143021		0.23	0.001	0.14	1.20	202	<0.2	<10	180	0.76	0.25	2.85	0.54	20.9	12.3	19
CC143022		0.09	0.002	0.21	1.14	193.0	<0.2	<10	230	0.83	0.23	1.74	0.77	19.00	11.3	19
CC143023		0.20	0.002	0.17	0.63	163.0	<0.2	<10	300	1.13	0.35	0.53	0.41	17.50	26.5	13
CC143024		0.14	0.002	0.09	0.72	168.0	<0.2	<10	480	0.74	0.22	2.44	0.20	14.80	10.7	11
CC143025		0.29	0.003	0.19	1.15	98.0	<0.2	<10	290	1.03	0.26	0.79	0.33	18.95	13.3	19
CC143026		0.13	0.003	0.14	1.10	56.9	<0.2	10	360	0.76	0.22	1.69	0.42	12.70	10.4	18
CC143027		0.11	<0.001	0.13	1.03	30.6	<0.2	10	370	0.66	0.18	2.24	0.43	10.50	8.2	15
CC143028		0.27	0.002	0.14	1.32	31.9	<0.2	<10	220	0.85	0.25	0.61	0.49	16.90	11.3	22
CC143029		0.34	0.001	0.13	1.04	57.3	<0.2	<10	280	0.84	0.27	1.60	0.66	20.0	14.9	18
CC143030		0.13	0.002	0.17	1.07	32.5	<0.2	<10	410	0.56	0.19	1.70	0.56	15.30	10.8	18
DD015201		0.26	0.001	0.13	1.30	33.8	<0.2	<10	240	0.99	0.28	0.33	0.22	22.9	13.2	23
DD015202		0.21	0.003	0.08	1.36	36.3	<0.2	<10	210	0.82	0.29	0.38	0.27	21.2	13.3	25
DD015203		0.18	0.003	0.17	1.41	21.8	<0.2	<10	490	1.45	0.29	0.36	0.20	16.80	11.4	23
DD015204		0.11	0.007	0.20	1.35	63.6	<0.2	10	500	1.13	0.26	1.16	0.42	14.40	13.8	21
DD015205		0.10	0.005	0.14	1.24	36.1	<0.2	<10	310	0.90	0.26	0.75	0.67	14.25	8.5	19
DD015206		0.13	0.001	0.06	1.23	37.3	<0.2	<10	120	0.59	0.32	0.09	0.29	12.85	14.8	23
DD015207		0.22	0.002	0.17	1.51	67.0	<0.2	<10	250	1.10	0.30	0.59	0.40	23.2	14.2	24
DD015208		0.15	0.001	0.05	1.74	69.3	<0.2	<10	160	1.01	0.31	0.02	0.34	19.60	14.4	25
DD015209		0.18	0.001	0.14	1.45	71.4	<0.2	<10	880	1.24	0.30	0.23	0.28	27.6	15.9	23
DD015210		0.22	0.003	0.24	1.48	59.3	<0.2	<10	310	0.92	0.24	1.22	0.44	27.5	12.1	25



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 Finalized Date: 17- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152300**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143001		2.32	31.4	4.00	4.04	0.09	0.09	0.56	0.036	0.09	9.7	14.3	0.34	925	0.92	<0.01
CC143002		1.43	25.8	4.12	4.80	0.10	0.09	2.08	0.040	0.08	11.6	15.1	0.35	993	0.94	0.01
CC143003		5.65	26.3	3.32	3.21	0.07	0.09	0.81	0.033	0.10	8.2	11.1	0.57	875	0.82	0.01
CC143004		42.4	52.8	3.07	2.72	<0.05	0.08	0.13	0.023	0.11	3.9	9.8	0.16	570	0.93	<0.01
CC143005		1.19	35.8	4.29	4.48	0.10	0.09	0.83	0.041	0.07	11.0	17.3	0.37	893	1.13	<0.01
CC143006		1.12	38.0	4.35	4.56	0.12	0.08	0.86	0.041	0.07	11.2	16.5	0.37	1060	1.53	<0.01
CC143007		1.45	29.4	3.69	4.88	0.08	0.08	0.59	0.036	0.08	9.5	17.5	0.35	607	0.98	<0.01
CC143008		2.48	30.5	5.74	5.87	0.10	0.06	1.06	0.047	0.07	5.6	20.8	0.28	1600	1.36	<0.01
CC143009		1.56	41.8	4.22	5.17	0.11	0.07	0.56	0.042	0.09	9.0	18.3	0.36	811	1.28	<0.01
CC143010		1.16	18.4	3.41	3.39	0.09	0.08	2.10	0.029	0.06	13.2	16.8	2.75	1240	0.92	0.01
CC143011		2.16	32.6	4.44	5.39	0.10	0.09	0.86	0.043	0.07	11.5	17.2	0.32	1080	1.14	<0.01
CC143012		0.75	11.4	3.52	3.77	0.06	0.04	10.90	0.024	0.03	7.4	9.5	3.53	2100	0.66	0.01
CC143013		0.72	16.2	3.88	3.15	0.09	0.06	1.17	0.023	0.04	12.8	9.2	4.52	3140	0.66	0.02
CC143014		0.66	11.7	3.02	3.01	0.07	0.06	0.58	0.021	0.04	12.9	12.2	4.58	1900	0.77	0.02
CC143015		1.48	17.3	2.58	1.79	0.09	0.07	2.84	0.021	0.04	14.3	3.9	7.97	1760	0.38	0.02
CC143016		0.97	17.3	2.85	1.25	0.09	0.08	2.25	0.015	0.03	13.1	2.4	8.62	2000	0.36	0.02
CC143017		0.72	8.3	2.12	1.71	<0.05	0.04	0.68	0.010	0.02	6.3	4.4	8.68	2060	0.40	0.03
CC143018		0.71	11.8	2.86	2.53	0.06	0.05	0.64	0.019	0.03	9.0	5.5	4.71	2250	0.58	0.02
CC143019		0.55	10.4	2.69	2.31	0.06	0.06	1.35	0.017	0.03	8.7	7.4	5.64	1540	0.66	0.02
CC143020		1.11	19.0	3.32	4.17	0.05	0.05	0.53	0.031	0.07	5.9	12.5	0.38	950	1.06	0.01
CC143021		1.62	22.6	3.24	3.69	0.07	0.08	1.05	0.032	0.09	9.4	11.9	1.52	1380	0.92	0.01
CC143022		2.82	22.6	3.09	3.53	0.06	0.08	1.61	0.031	0.08	9.7	11.0	0.42	758	0.79	0.01
CC143023		14.75	56.5	4.10	2.15	0.08	0.09	0.69	0.044	0.12	6.9	5.8	0.16	1720	0.98	<0.01
CC143024		8.88	28.2	1.95	2.24	0.05	0.08	0.42	0.026	0.07	8.8	4.7	0.24	1590	0.58	0.01
CC143025		11.40	33.6	3.26	3.55	0.06	0.08	0.74	0.035	0.10	8.7	14.1	0.31	852	1.03	0.01
CC143026		2.39	31.7	2.84	3.23	0.07	0.07	0.48	0.028	0.09	6.1	9.8	0.35	531	0.86	0.01
CC143027		1.94	30.9	2.49	2.89	0.07	0.06	0.37	0.026	0.07	5.5	9.0	0.35	496	0.82	0.01
CC143028		3.31	32.9	3.16	4.04	0.09	0.08	0.56	0.036	0.10	7.6	21.7	0.36	144	0.77	<0.01
CC143029		1.64	36.4	3.84	3.27	0.10	0.08	1.10	0.032	0.11	8.7	14.4	0.88	346	1.49	0.01
CC143030		1.02	20.7	2.69	3.19	0.07	0.05	0.40	0.027	0.07	6.6	10.6	0.32	1030	0.96	0.01
DD015201		1.27	32.2	4.10	4.06	0.11	0.08	0.37	0.037	0.07	11.0	14.7	0.34	908	0.94	<0.01
DD015202		2.31	28.4	3.94	4.41	0.10	0.05	0.23	0.033	0.08	8.5	17.0	0.38	837	1.17	0.01
DD015203		10.90	48.1	3.60	4.35	0.11	0.07	0.34	0.034	0.12	9.2	15.9	0.27	847	1.51	<0.01
DD015204		3.33	43.4	4.01	3.85	0.11	0.09	0.75	0.034	0.10	8.3	13.2	0.36	976	1.19	<0.01
DD015205		1.44	26.5	3.42	3.61	0.09	0.08	0.63	0.034	0.09	7.2	12.0	0.26	528	1.03	<0.01
DD015206		2.39	28.5	4.26	4.24	0.08	0.05	0.35	0.037	0.10	4.9	12.1	0.24	1590	1.20	<0.01
DD015207		1.38	36.3	4.43	4.52	0.12	0.08	0.88	0.040	0.09	11.3	17.7	0.49	1000	1.34	<0.01
DD015208		2.51	29.4	4.30	4.99	0.09	0.06	0.59	0.041	0.07	8.0	19.0	0.28	786	1.07	<0.01
DD015209		1.61	34.2	4.36	4.57	0.12	0.06	0.59	0.039	0.07	12.2	15.3	0.31	962	1.16	<0.01
DD015210		2.75	23.4	3.78	4.31	0.12	0.07	0.68	0.034	0.08	14.1	16.4	0.81	914	1.16	0.01

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



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To: STRATEGIC METALS LTD.  
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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152300**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143001		0.46	29.9	300	28.3	10.9	<0.001	0.03	0.69	5.5	0.8	0.6	19.4	0.01	0.05	2.8
CC143002		0.51	26.8	690	40.7	10.9	<0.001	0.05	0.84	5.0	0.8	0.6	21.7	0.01	0.06	1.9
CC143003		0.41	23.2	850	27.5	20.7	<0.001	0.08	0.73	3.8	0.9	0.5	31.6	0.01	0.05	1.2
CC143004		0.53	21.1	890	11.2	20.9	<0.001	0.06	0.56	5.2	0.4	0.6	23.4	0.01	0.06	1.3
CC143005		0.45	35.0	330	31.4	9.6	<0.001	0.02	0.85	6.8	0.9	0.6	14.5	0.01	0.05	4.7
CC143006		0.41	37.8	460	33.6	9.3	<0.001	0.02	4.87	6.7	0.9	0.6	14.6	0.01	0.05	4.7
CC143007		0.48	30.4	680	24.2	11.4	<0.001	0.02	0.75	5.3	0.7	0.6	14.3	0.01	0.05	2.3
CC143008		0.63	29.2	510	47.8	14.1	<0.001	0.02	1.09	4.9	0.6	0.7	7.5	<0.01	0.08	2.9
CC143009		0.41	36.7	310	31.6	11.8	<0.001	0.01	0.72	7.1	1.0	0.7	19.3	0.01	0.06	4.4
CC143010		0.46	22.4	870	34.2	8.2	<0.001	0.03	1.26	4.8	1.0	0.4	34.0	0.01	0.06	1.6
CC143011		0.43	31.1	250	37.4	14.2	0.001	0.02	0.87	6.1	0.8	0.7	8.5	0.01	0.05	4.2
CC143012		0.51	12.0	1390	59.7	6.3	<0.001	0.08	1.78	2.3	0.6	0.5	32.5	0.01	0.06	0.4
CC143013		0.46	15.1	1490	20.0	6.0	<0.001	0.08	2.25	2.4	0.8	0.3	27.0	0.01	0.08	0.6
CC143014		0.61	17.5	990	13.5	7.2	<0.001	0.04	1.38	3.1	0.6	0.3	27.5	0.01	0.05	0.9
CC143015		0.33	16.1	1040	28.9	3.7	<0.001	0.05	4.22	2.9	0.7	0.3	56.7	0.01	0.08	0.7
CC143016		0.31	16.5	1190	32.9	3.1	<0.001	0.04	4.44	3.5	0.6	0.2	70.9	0.01	0.08	1.1
CC143017		0.40	7.2	1200	12.9	3.6	<0.001	0.07	1.25	1.6	0.5	0.2	61.8	0.01	0.06	0.3
CC143018		0.44	9.9	1250	16.1	4.8	<0.001	0.12	1.55	1.7	0.7	0.3	43.0	0.01	0.07	0.3
CC143019		0.49	13.9	1120	28.3	4.7	<0.001	0.06	3.20	2.3	0.6	0.3	50.1	0.01	0.06	0.7
CC143020		0.83	19.7	680	27.3	9.8	<0.001	0.06	1.09	3.3	0.5	0.5	17.9	<0.01	0.06	1.3
CC143021		0.56	23.5	530	31.0	8.8	<0.001	0.04	1.93	4.9	0.7	0.5	21.0	0.01	0.05	2.3
CC143022		0.49	22.6	1090	40.8	8.8	<0.001	0.09	3.00	3.8	1.0	0.5	22.7	0.01	0.06	1.0
CC143023		0.33	32.8	460	79.4	10.7	<0.001	0.04	3.22	8.9	0.6	0.4	16.8	0.01	0.10	2.5
CC143024		0.44	15.4	780	11.8	9.6	<0.001	0.11	0.89	3.5	1.0	0.3	38.0	0.01	0.07	0.5
CC143025		0.45	25.2	640	33.9	19.8	<0.001	0.05	0.87	5.1	0.8	0.5	18.3	0.01	0.06	1.5
CC143026		0.46	22.1	810	22.6	11.6	<0.001	0.12	1.01	3.4	1.1	0.4	26.6	<0.01	0.03	0.9
CC143027		0.43	20.9	940	17.5	11.8	<0.001	0.18	0.75	2.6	2.0	0.4	40.3	<0.01	0.03	0.6
CC143028		0.67	24.5	570	25.0	20.5	0.001	0.08	0.36	5.8	1.4	0.5	23.4	<0.01	0.03	3.1
CC143029		0.53	33.0	580	31.6	11.1	<0.001	0.05	0.74	6.1	0.9	0.4	26.9	<0.01	0.03	3.3
CC143030		0.51	18.5	870	19.4	9.3	<0.001	0.11	0.57	2.7	1.1	0.4	40.4	<0.01	0.04	0.6
DD015201		0.44	28.2	330	26.6	10.1	<0.001	0.03	0.55	6.2	0.6	0.5	14.2	<0.01	0.03	3.8
DD015202		0.73	28.5	400	24.6	12.0	<0.001	0.04	0.73	4.3	0.5	0.5	18.8	<0.01	0.03	2.6
DD015203		0.51	28.9	800	17.7	20.8	<0.001	0.07	0.63	5.3	0.9	0.5	20.1	<0.01	0.04	1.8
DD015204		0.50	26.0	1030	21.4	15.4	0.001	0.12	0.95	4.0	1.3	0.5	30.7	<0.01	0.06	1.0
DD015205		0.47	23.8	1000	19.8	23.4	<0.001	0.09	0.83	4.1	0.8	0.5	29.4	<0.01	0.04	1.4
DD015206		0.51	22.1	670	25.2	17.9	<0.001	0.05	0.73	4.4	0.4	0.5	7.8	<0.01	0.04	2.0
DD015207		0.43	34.0	530	32.7	12.3	<0.001	0.04	0.97	7.2	0.8	0.6	16.6	<0.01	0.04	3.4
DD015208		0.46	26.6	280	30.6	14.7	<0.001	0.03	0.74	4.8	0.5	0.7	7.4	<0.01	0.03	3.3
DD015209		0.40	34.4	450	51.5	11.0	<0.001	0.03	2.20	7.6	0.8	0.6	18.0	<0.01	0.03	4.2
DD015210		0.74	32.7	550	23.9	12.6	<0.001	0.05	1.08	6.1	0.9	0.5	33.1	<0.01	0.04	2.5

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



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**CERTIFICATE OF ANALYSIS WH12152300**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143001		0.007	0.17	0.90	30	0.09	11.10	119	1.4
CC143002		0.008	0.18	1.23	37	0.11	12.35	215	1.1
CC143003		0.008	0.18	1.26	25	0.09	9.93	213	1.5
CC143004		0.010	0.11	1.23	27	0.14	7.37	59	1.2
CC143005		0.007	0.20	0.94	33	0.08	13.85	145	1.4
CC143006		0.007	0.23	0.94	34	0.08	13.30	175	1.3
CC143007		0.008	0.21	0.90	35	0.10	10.70	131	1.1
CC143008		<0.005	0.37	0.67	43	0.09	4.17	189	1.2
CC143009		0.005	0.20	0.78	36	0.08	13.20	142	1.0
CC143010		0.011	0.26	1.11	31	0.13	15.20	225	1.0
CC143011		<0.005	0.29	0.87	37	0.09	11.20	159	1.4
CC143012		0.016	0.27	1.38	31	0.12	6.24	338	0.6
CC143013		0.013	0.26	2.20	28	0.15	11.40	76	0.8
CC143014		0.019	0.29	1.60	30	0.21	11.10	168	0.8
CC143015		0.006	0.70	2.56	14	0.16	16.30	902	0.8
CC143016		<0.005	0.87	3.92	12	0.19	14.55	188	1.1
CC143017		0.010	0.26	1.86	13	0.09	8.06	233	0.6
CC143018		0.013	0.20	1.70	20	0.13	9.20	134	0.8
CC143019		0.015	0.38	1.93	22	0.13	8.82	256	0.8
CC143020		0.014	0.17	0.61	38	0.13	3.77	149	1.1
CC143021		0.009	0.34	0.90	32	0.14	9.79	185	1.4
CC143022		0.008	0.38	2.40	29	0.12	12.00	478	1.4
CC143023		0.007	0.76	0.83	22	0.09	11.25	216	1.2
CC143024		0.010	0.23	1.98	17	0.11	15.80	59	1.0
CC143025		0.007	0.26	2.00	29	0.11	12.50	155	1.3
CC143026		0.007	0.18	3.92	27	0.07	8.91	131	1.7
CC143027		0.006	0.14	2.31	23	0.06	7.97	110	1.6
CC143028		0.006	0.15	2.86	34	0.08	9.41	163	2.0
CC143029		0.007	0.19	0.98	29	0.08	10.60	231	2.0
CC143030		0.009	0.13	1.65	30	0.10	7.44	172	1.1
DD015201		0.005	0.15	0.71	30	0.07	12.55	128	2.1
DD015202		0.013	0.14	0.58	37	0.13	6.56	123	1.3
DD015203		0.006	0.19	0.91	39	0.11	14.40	113	1.2
DD015204		0.005	0.20	2.34	32	0.08	13.10	148	2.1
DD015205		0.005	0.21	0.78	29	0.07	10.00	201	1.8
DD015206		0.005	0.18	0.46	34	0.07	4.46	154	1.2
DD015207		<0.005	0.24	0.87	36	0.08	16.65	218	1.5
DD015208		<0.005	0.23	0.61	38	0.07	5.22	150	1.3
DD015209		0.005	0.18	0.75	33	0.08	16.75	149	1.4
DD015210		0.014	0.30	0.82	38	0.21	16.00	180	1.7











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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015211		<0.005	0.28	0.90	33	0.08	14.95	165	1.9
DD015212		0.006	0.31	2.02	32	0.11	23.7	214	1.9
DD015213		0.012	0.25	3.88	29	0.14	18.70	324	1.0
DD015214		0.014	1.15	2.74	33	0.14	26.7	837	0.9
DD015215		0.006	0.19	1.49	7	0.09	4.01	507	0.7
DD015216		0.006	0.70	1.62	8	0.12	7.16	636	0.9
DD015217		0.018	0.52	1.53	27	0.24	12.20	560	1.0
DD015218		0.013	0.39	2.26	24	0.23	14.40	269	1.1
DD015219		0.010	0.30	0.77	16	0.09	8.18	2060	0.9
DD015220		0.010	0.61	0.92	21	0.10	16.10	267	1.3
DD015221		0.013	0.26	1.82	35	0.14	9.47	149	1.3
DD015222		0.008	0.24	2.58	32	0.12	11.80	185	1.4
DD015223		0.020	0.14	0.75	46	0.21	4.53	141	1.0
DD015224		0.008	0.22	1.23	25	0.07	11.00	110	2.5
DD015225		0.005	0.23	2.31	32	0.09	10.55	187	1.8
DD015226		0.006	0.21	2.16	30	0.08	8.99	212	1.6
DD015227		0.007	0.16	1.01	29	0.08	9.68	153	2.5
DD015228		0.007	0.16	0.79	35	0.08	11.85	175	2.1
DD015229		0.008	0.22	0.83	35	0.07	11.55	142	2.4
DD015230		0.006	0.23	0.70	36	0.06	10.85	157	2.9
DD015231		0.006	0.14	1.58	32	0.06	11.60	147	2.3
DD015232		0.007	0.18	1.52	31	0.08	9.81	124	1.8
DD015233		0.008	0.13	1.62	34	0.11	9.17	116	1.5
DD015234		0.012	0.14	0.67	31	0.10	4.70	110	1.7
DD015235		0.008	0.13	1.51	34	0.10	9.43	131	1.8
DD015236		0.006	0.12	1.48	29	0.08	9.66	115	1.4
DD015237		0.006	0.12	1.20	30	0.10	7.85	118	1.4
DD015238		0.005	0.12	1.44	26	0.07	9.38	116	1.7
DD015239		0.005	0.12	1.23	25	0.07	8.28	119	1.7
DD015240		0.006	0.13	1.35	28	0.08	10.20	97	1.8
DD015241		0.005	0.24	0.83	38	0.09	7.48	124	1.2
DD015242		0.011	0.10	0.78	31	0.09	6.46	94	1.6
DD015243		0.009	0.14	1.28	40	0.14	11.30	92	1.0
DD015244		0.012	0.11	0.80	33	0.18	5.65	75	0.7
DD015245		0.006	0.16	0.50	31	0.07	3.76	75	2.2
DD015246		0.012	0.12	0.96	34	0.14	10.65	110	1.9
DD015247		0.012	0.16	0.94	45	0.17	7.21	90	1.2
DD015248		0.010	0.14	0.48	30	0.07	3.60	97	0.5
DD015249		0.006	0.11	2.50	30	0.07	10.90	98	2.5
DD015250		0.007	0.21	0.78	32	0.06	13.70	125	2.0









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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015251		0.008	0.16	0.83	32	0.06	7.55	114	1.9
CC160624		0.009	0.11	0.89	30	0.08	13.45	114	0.9
CC160625		0.008	0.14	1.80	35	0.10	9.84	103	1.5
CC160626		<0.005	0.12	1.36	31	0.08	10.90	67	2.0
CC160627		0.006	0.15	1.52	25	0.07	9.88	108	1.5
CC160628		0.006	0.16	1.84	25	0.07	9.88	92	1.5
CC160629		0.006	0.16	1.28	24	0.07	10.80	65	1.8
CC160630		<0.005	0.10	0.42	7	<0.05	9.26	31	0.8
CC160631		0.007	0.14	1.31	20	0.08	15.35	86	2.3
CC160632		0.010	0.19	0.90	35	0.13	5.52	80	1.3
CC160633		<0.005	0.24	0.80	27	0.06	8.03	92	0.8
CC160634		0.006	0.15	0.87	29	0.06	11.95	102	1.1
CC160635		0.008	0.17	0.58	33	0.08	3.25	75	0.9
CC160636		0.006	0.32	1.18	19	0.13	27.3	120	1.5
CC160637		0.048	0.13	0.47	53	0.26	2.05	50	<0.5
CC160638		0.009	0.22	1.58	33	0.11	15.85	135	1.9
CC160639		0.011	0.24	0.61	36	0.12	2.99	86	<0.5
CC160640		0.006	0.18	1.03	18	0.05	9.33	81	0.9
CC160641		0.006	0.21	2.26	30	0.09	14.40	138	1.9
CC160642		0.006	0.14	1.96	27	0.08	12.25	113	1.4
CC160643		0.010	0.21	1.80	30	0.10	12.65	136	1.6
CC160644		0.013	0.17	1.38	32	0.14	7.52	134	1.2
CC160645		0.007	0.16	2.27	28	0.10	11.15	123	1.4
CC160646		0.009	0.17	1.97	32	0.10	12.20	109	1.5
CC160647		0.010	0.10	0.72	26	0.12	5.72	60	1.0
CC160648		<0.005	0.17	1.40	22	0.06	15.85	101	2.2
CC160649		0.018	0.14	0.91	32	0.10	8.27	133	1.7
CC160650		0.007	0.15	1.87	31	0.10	13.90	120	1.6
DD015101		0.007	0.20	1.48	39	0.11	11.05	152	1.5
DD015102		0.005	0.21	1.00	41	0.09	6.92	134	1.0
DD015103		<0.005	0.23	0.96	38	0.08	6.75	216	0.7
DD015104		0.005	0.23	1.05	39	0.10	10.15	256	1.2
DD015105		0.006	0.24	3.02	18	0.11	11.00	122	1.5
DD015106		0.006	0.30	1.53	36	0.12	11.10	253	1.7
DD015107		0.009	0.24	1.56	27	0.13	13.15	245	0.6
DD015108		0.006	0.36	2.66	13	0.10	8.98	249	0.9
DD015109		0.016	0.23	3.01	35	0.16	12.75	154	0.7
DD015110		0.018	0.50	0.98	28	0.22	11.05	231	1.4
DD015111		0.008	0.45	2.56	30	0.17	12.65	179	1.3
DD015112		0.007	0.18	2.20	37	0.11	9.82	114	1.6





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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015113		0.21	0.003	0.10	1.34	62.2	<0.2	<10	250	0.81	0.25	0.46	0.18	24.7	12.0	25
DD015114		0.21	0.001	0.03	0.69	30.6	<0.2	<10	150	0.43	0.36	0.23	0.05	16.10	12.3	12
DD015115		0.14	0.002	0.13	1.40	21.4	<0.2	<10	370	0.84	0.29	0.74	0.16	15.85	12.1	21
DD015116		0.12	0.003	0.17	1.42	35.0	<0.2	<10	350	0.86	0.24	1.15	0.23	16.95	12.1	21
DD015117		0.19	0.002	0.14	1.11	45.6	<0.2	<10	260	0.75	0.26	0.62	0.32	15.85	11.6	19
DD015118		0.07	0.004	0.17	1.17	177.0	<0.2	<10	280	0.89	0.22	1.74	0.49	13.05	10.1	17
DD015119		0.11	0.004	0.15	1.20	43.2	<0.2	<10	390	0.64	0.21	1.53	0.57	13.45	10.3	17
DD015120		0.16	0.003	0.22	1.33	39.8	<0.2	<10	270	0.89	0.25	1.21	0.30	13.55	9.0	19
DD015121		0.11	0.004	0.21	1.28	114.0	<0.2	<10	230	0.99	0.25	1.31	0.32	12.45	9.6	19
DD015122		0.16	0.002	0.16	1.20	97.9	<0.2	<10	250	0.80	0.24	1.12	0.33	13.85	10.1	19
DD015123		0.10	0.010	0.13	1.21	26.8	<0.2	<10	340	0.82	0.24	1.06	0.42	14.50	10.2	19
DD015124		0.19	0.006	0.17	1.17	83.5	<0.2	<10	340	0.83	0.23	1.60	0.41	13.50	9.1	17
DD015125		0.18	0.005	0.15	1.15	40.4	<0.2	<10	360	0.76	0.24	1.34	0.54	13.15	12.1	18
DD015126		0.15	0.003	0.09	1.30	36.0	<0.2	<10	290	0.99	0.33	0.75	0.37	18.10	13.5	22
DD015127		0.10	0.004	0.15	0.95	174.5	<0.2	10	280	0.83	0.22	1.11	0.54	13.45	11.0	16
DD015128		0.23	0.002	0.11	0.96	30.4	<0.2	<10	180	0.94	0.31	0.75	0.34	16.25	10.3	18
DD015129		0.16	0.003	0.15	1.10	16.5	<0.2	<10	210	0.92	0.29	0.49	0.18	14.15	9.6	21
DD015130		0.22	0.002	0.13	0.77	17.3	<0.2	<10	220	1.00	0.37	0.54	0.38	14.40	13.5	14

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015113		9.98	39.0	3.16	4.76	0.10	0.06	0.45	0.029	0.08	12.8	16.1	0.48	465	0.91	0.02
DD015114		3.94	28.1	3.49	3.68	0.09	<0.02	0.11	0.027	0.10	7.8	5.6	0.12	626	1.01	0.01
DD015115		2.10	47.3	3.59	4.72	0.09	0.06	0.18	0.035	0.07	7.5	13.2	0.38	599	1.12	0.01
DD015116		3.20	31.1	3.14	4.56	0.10	0.07	0.42	0.032	0.08	8.8	13.2	0.41	589	0.76	0.01
DD015117		1.55	29.1	3.49	3.80	0.10	0.06	1.73	0.032	0.08	7.5	11.7	0.32	656	0.93	0.01
DD015118		4.47	32.5	2.85	3.49	0.09	0.07	0.84	0.029	0.10	8.3	9.8	0.38	592	0.63	0.01
DD015119		1.63	19.3	2.64	3.69	0.08	0.05	0.51	0.028	0.07	6.7	9.2	0.30	813	0.68	0.01
DD015120		5.93	35.7	3.17	4.09	0.10	0.07	0.60	0.034	0.11	7.6	12.3	0.35	397	0.84	0.01
DD015121		13.40	42.2	3.08	3.94	0.09	0.09	0.87	0.033	0.13	7.0	13.4	0.41	399	0.74	0.02
DD015122		3.95	26.6	3.14	3.66	0.09	0.06	0.48	0.032	0.12	7.4	13.1	0.37	482	0.71	0.01
DD015123		1.21	21.8	2.87	3.84	0.09	0.08	0.35	0.034	0.10	7.0	13.9	0.34	612	0.52	0.01
DD015124		1.50	23.4	3.15	3.54	0.09	0.06	0.50	0.030	0.10	7.1	12.2	0.34	591	0.51	0.01
DD015125		1.23	24.0	3.27	3.75	0.09	0.07	0.36	0.033	0.10	6.9	12.7	0.36	1260	0.80	0.01
DD015126		1.62	26.7	3.51	3.91	<0.05	0.06	0.44	0.034	0.10	8.9	16.6	0.30	686	0.97	0.01
DD015127		4.38	23.3	3.34	3.08	<0.05	0.07	0.47	0.029	0.09	6.3	13.3	0.38	1600	0.70	0.01
DD015128		1.30	32.4	3.12	2.99	<0.05	0.07	0.36	0.032	0.10	6.4	12.0	0.32	235	0.97	0.01
DD015129		0.91	22.8	3.14	3.62	<0.05	0.07	0.27	0.035	0.08	6.8	13.9	0.31	387	0.83	0.01
DD015130		0.94	32.7	3.11	2.56	<0.05	0.05	0.30	0.036	0.09	6.0	10.9	0.24	191	1.09	0.01



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**CERTIFICATE OF ANALYSIS WH12152300**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD015113		1.02	28.0	380	15.2	11.2	<0.001	0.02	0.89	4.6	0.7	0.5	15.4	<0.01	0.04	3.6
DD015114		0.56	17.3	240	32.7	16.8	<0.001	0.02	0.50	2.6	0.4	0.5	9.7	<0.01	0.03	2.6
DD015115		0.61	24.0	590	20.8	11.4	<0.001	0.04	0.57	3.6	0.8	0.5	15.1	<0.01	0.04	1.9
DD015116		0.59	22.6	750	20.6	12.9	<0.001	0.06	0.60	3.4	1.1	0.5	18.9	<0.01	0.05	1.3
DD015117		0.51	23.7	570	28.7	12.3	<0.001	0.03	0.68	4.1	0.9	0.4	16.3	<0.01	0.05	2.1
DD015118		0.52	22.5	840	24.3	13.1	<0.001	0.09	1.63	3.4	1.2	0.4	24.1	<0.01	0.05	1.2
DD015119		0.55	17.0	790	20.9	10.8	<0.001	0.08	0.61	2.7	0.9	0.4	33.4	<0.01	0.05	0.9
DD015120		0.52	22.9	800	20.8	20.5	<0.001	0.07	0.67	3.5	1.3	0.5	30.3	<0.01	0.05	1.2
DD015121		0.50	23.6	760	21.1	29.2	<0.001	0.07	0.77	4.4	1.2	0.5	39.4	<0.01	0.05	1.7
DD015122		0.51	21.0	650	20.9	19.1	<0.001	0.06	0.76	3.7	1.1	0.5	30.9	<0.01	0.04	1.6
DD015123		0.49	20.7	610	20.7	10.4	0.001	0.10	0.45	4.0	1.5	0.5	27.3	<0.01	0.03	2.2
DD015124		0.50	18.9	760	18.7	12.9	<0.001	0.10	0.58	3.3	1.4	0.5	42.2	<0.01	0.05	1.2
DD015125		0.47	23.0	720	18.3	12.2	0.001	0.09	0.62	3.5	1.6	0.4	34.4	<0.01	0.05	1.5
DD015126		0.54	28.4	570	30.0	12.0	<0.001	0.05	0.57	5.4	0.9	0.5	24.6	<0.01	0.02	3.0
DD015127		0.44	22.5	630	20.6	22.0	<0.001	0.10	0.56	3.9	2.0	0.4	31.9	<0.01	0.02	2.1
DD015128		0.54	26.1	520	23.3	11.9	0.001	0.06	0.69	4.9	1.4	0.5	22.2	<0.01	0.03	2.7
DD015129		0.61	23.1	430	14.8	10.3	<0.001	0.03	0.40	4.9	1.1	0.5	21.5	<0.01	0.03	2.8
DD015130		0.49	29.7	410	20.6	9.2	0.001	0.09	0.56	5.2	1.5	0.4	27.9	<0.01	0.02	2.8



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**CERTIFICATE OF ANALYSIS WH12152300**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015113		0.029	0.20	1.19	39	0.23	7.81	109	1.3
DD015114		0.014	0.23	0.58	31	0.11	4.01	73	<0.5
DD015115		0.009	0.15	1.03	35	0.11	8.59	88	1.2
DD015116		0.010	0.17	1.33	36	0.13	10.10	93	1.1
DD015117		0.009	0.16	1.13	31	0.14	8.78	135	1.1
DD015118		0.006	0.28	2.74	27	0.10	11.95	243	1.5
DD015119		0.008	0.14	1.63	30	0.10	6.86	123	0.9
DD015120		0.006	0.17	3.33	32	0.08	10.50	143	1.4
DD015121		0.005	0.21	2.11	30	0.09	10.35	172	1.7
DD015122		0.006	0.18	2.11	31	0.08	9.15	160	1.2
DD015123		0.005	0.13	2.42	30	0.08	9.12	129	1.6
DD015124		0.005	0.14	2.75	29	0.07	9.74	106	1.2
DD015125		0.006	0.14	3.41	30	0.07	9.57	139	1.4
DD015126		0.006	0.13	2.12	33	0.09	10.65	156	1.7
DD015127		0.006	0.19	1.19	25	0.06	8.71	153	1.7
DD015128		0.007	0.15	2.02	28	0.06	8.63	119	1.8
DD015129		0.010	0.12	1.09	29	0.07	8.01	98	1.6
DD015130		0.006	0.13	1.40	24	0.06	7.27	114	1.6

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



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**CERTIFICATE OF ANALYSIS WH12152300**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 17- JUL- 2012**

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**19- JUN- 2013**

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**CERTIFICATE WH12152301**

Project: Crag East 3  
 P.O. No.:  
 This report is for 156 Soil samples submitted to our lab in Whitehorse, YT, Canada on 1- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

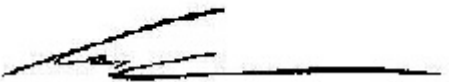
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both
EXTRA- 01	Extra Sample received in Shipment

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units	LOR	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143050		0.21	0.002	0.11	1.10	41.0	<0.2	<10	280	1.01	0.31	0.51	0.17	16.95	12.1	19
CC143051		0.21	0.002	0.16	1.12	36.2	<0.2	<10	290	1.06	0.30	1.01	0.37	16.40	13.1	18
CC143052		0.26	0.002	0.11	1.63	38.0	<0.2	<10	230	1.18	0.30	0.18	0.25	28.5	9.7	25
CC143053		0.28	0.003	0.33	1.82	70.2	<0.2	<10	150	1.07	0.32	0.08	0.42	35.5	11.8	25
CC143054		0.18	0.007	0.18	0.43	20.7	<0.2	<10	60	1.11	0.40	0.14	0.50	28.5	14.2	6
CC143055		0.28	0.001	0.03	1.49	35.3	<0.2	<10	160	1.01	0.34	0.02	0.14	19.10	15.7	22
CC143056		0.19	0.002	0.16	1.07	28.4	<0.2	<10	250	1.63	0.34	0.41	0.20	60.3	13.8	13
CC143057		0.21	0.001	0.03	1.36	27.0	<0.2	<10	80	0.28	0.27	0.04	0.06	17.70	6.5	19
CC143058		0.31	0.003	0.24	1.31	122.5	<0.2	<10	340	1.23	0.25	3.51	0.39	21.8	12.6	19
CC143059		0.28	0.002	0.07	1.92	160.5	<0.2	<10	310	1.38	0.28	0.09	0.26	27.6	12.5	28
CC143060		0.32	0.003	0.14	1.16	46.5	<0.2	<10	320	0.98	0.30	0.42	0.53	21.2	14.7	21
CC143061		0.24	0.003	0.10	1.24	41.3	<0.2	<10	410	1.24	0.29	0.23	0.24	26.0	15.9	23
CC143062		0.09	0.003	0.16	1.11	27.2	<0.2	<10	280	0.88	0.25	1.15	0.55	13.65	9.8	19
CC143063		0.16	0.004	0.17	1.24	57.3	<0.2	<10	290	0.96	0.28	0.92	0.36	13.95	11.6	20
CC143064		0.11	0.006	0.19	1.18	25.8	<0.2	<10	280	0.95	0.26	1.53	0.23	13.15	9.0	17
CC143065		0.12	0.004	0.19	1.05	25.6	<0.2	<10	270	0.73	0.22	1.84	0.65	13.30	9.5	16
CC143066		0.26	0.004	0.21	1.26	36.2	<0.2	<10	230	0.94	0.24	1.10	0.37	19.00	11.7	21
CC143067		0.17	0.003	0.15	1.22	40.7	<0.2	<10	300	0.89	0.24	1.51	0.29	14.70	9.6	19
CC143068		0.24	0.005	0.16	1.46	34.3	<0.2	<10	360	0.93	0.28	0.72	0.37	22.7	12.6	26
CC143069		0.19	0.002	0.14	1.42	20.4	<0.2	<10	410	0.81	0.26	1.03	0.42	21.7	11.3	24
CC143070		0.22	0.003	0.21	1.34	25.9	<0.2	<10	260	1.04	0.29	0.63	0.27	19.00	11.6	22
CC143071		0.15	0.007	0.14	1.23	26.9	<0.2	<10	400	0.82	0.26	1.32	0.35	15.95	10.0	19
CC143072		0.24	0.002	0.15	1.20	42.9	<0.2	<10	310	0.95	0.28	0.74	0.43	18.70	12.8	20
CC143073		0.22	0.003	0.17	1.16	77.7	<0.2	<10	310	0.90	0.25	1.12	0.40	15.90	10.1	19
CC143074		0.26	0.002	0.13	1.25	39.3	<0.2	<10	240	0.80	0.30	0.58	0.28	23.1	13.7	23
CC143075		0.24	0.004	0.14	1.35	42.5	<0.2	<10	260	0.87	0.27	0.94	0.51	19.10	13.4	24
CC143076		0.22	0.002	0.17	1.28	57.6	<0.2	<10	290	1.03	0.28	0.95	0.28	17.90	10.9	21
CC143077		0.24	0.003	0.15	1.10	44.6	<0.2	<10	260	0.94	0.28	0.99	0.34	16.35	13.1	19
CC143078		0.25	0.003	0.15	1.10	42.0	<0.2	<10	310	0.84	0.26	0.87	0.35	20.4	11.7	22
CC143079		0.21	0.003	0.14	1.17	28.2	<0.2	<10	300	0.91	0.26	0.80	0.41	16.75	12.8	20
CC143080		0.11	0.009	0.13	0.69	10.4	<0.2	10	430	0.58	0.15	3.04	0.34	8.04	6.0	9
CC143081		0.18	0.003	0.13	1.17	24.7	<0.2	<10	280	0.79	0.25	1.40	0.28	12.20	9.0	18
CC143082		0.28	0.002	0.10	0.82	28.0	<0.2	<10	170	0.82	0.33	0.39	0.42	16.20	19.7	15
CC143083		0.14	0.003	0.13	0.98	16.1	<0.2	<10	280	0.88	0.25	1.44	0.22	12.95	10.0	15
CC143084		0.24	0.002	0.07	1.45	13.4	<0.2	<10	250	0.94	0.32	0.49	0.11	20.7	12.1	28
CC143085		0.19	0.004	0.18	1.67	20.7	<0.2	<10	570	1.87	0.32	0.57	0.16	24.2	9.3	25
CC143086		0.25	0.003	0.10	1.62	26.8	<0.2	<10	480	1.36	0.29	0.17	0.29	25.0	11.0	29
CC143087		0.09	0.003	0.14	1.44	9.5	<0.2	<10	410	1.44	0.29	1.87	0.13	11.95	9.3	21
CC143088		0.12	0.002	0.23	1.15	18.8	<0.2	<10	390	1.04	0.23	2.24	0.23	13.05	8.2	18
CC143089		0.20	0.004	0.23	1.47	15.7	<0.2	<10	310	1.30	0.27	0.93	0.14	19.45	8.5	26

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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143050		2.50	34.2	3.60	3.80	<0.05	0.08	0.51	0.040	0.10	8.1	15.2	0.30	479	1.08	0.01
CC143051		5.97	36.6	3.59	3.60	<0.05	0.07	0.56	0.038	0.10	7.7	14.9	0.31	665	1.12	0.01
CC143052		2.37	22.4	3.49	5.56	0.05	0.04	0.28	0.038	0.07	14.5	18.5	0.25	608	1.22	<0.01
CC143053		4.48	16.4	3.71	5.87	0.05	0.03	0.51	0.040	0.07	15.5	18.3	0.28	824	1.34	<0.01
CC143054		10.15	35.7	5.06	0.87	0.07	0.04	0.07	0.051	0.07	8.3	2.9	0.03	607	0.92	<0.01
CC143055		2.41	37.8	4.42	4.33	0.05	0.03	0.27	0.044	0.06	7.8	20.7	0.26	862	1.31	<0.01
CC143056		8.13	24.4	4.21	1.99	0.08	0.05	0.22	0.055	0.07	18.4	9.0	0.08	931	0.86	0.01
CC143057		3.52	12.7	3.30	6.22	<0.05	<0.02	0.06	0.029	0.05	8.6	10.2	0.19	382	1.34	<0.01
CC143058		1.50	34.2	4.11	3.46	0.06	0.08	1.32	0.037	0.08	13.3	11.8	2.03	1290	1.17	0.02
CC143059		9.05	29.2	4.51	5.61	0.06	0.06	0.75	0.046	0.07	12.2	24.9	0.34	987	1.19	0.01
CC143060		3.99	40.8	3.92	3.79	0.06	0.06	0.43	0.038	0.09	9.5	14.6	0.35	945	1.30	0.01
CC143061		2.47	31.7	4.11	3.65	0.06	0.06	0.63	0.035	0.08	13.9	13.5	0.30	1160	1.21	0.01
CC143062		3.07	28.1	2.94	3.62	<0.05	0.06	0.39	0.033	0.11	6.7	13.5	0.30	423	1.02	0.01
CC143063		7.87	32.4	3.40	4.02	<0.05	0.09	0.65	0.035	0.11	7.0	13.8	0.33	479	1.20	0.01
CC143064		9.89	35.2	2.75	3.51	<0.05	0.08	0.37	0.032	0.14	7.3	12.5	0.35	386	0.93	0.01
CC143065		14.70	33.4	2.40	3.42	<0.05	0.07	0.35	0.030	0.10	6.6	10.9	0.31	588	0.96	0.01
CC143066		23.4	44.5	3.33	3.85	0.05	0.07	0.46	0.036	0.12	9.7	15.0	0.40	975	1.27	0.01
CC143067		5.22	41.0	2.86	3.70	<0.05	0.06	0.40	0.031	0.09	8.3	13.9	0.39	442	0.94	0.01
CC143068		2.43	32.6	3.68	4.53	0.06	0.07	0.26	0.036	0.11	11.7	19.1	0.50	794	1.40	0.01
CC143069		1.72	22.7	3.13	4.58	0.05	0.05	0.17	0.030	0.09	10.7	18.6	0.43	648	1.08	0.01
CC143070		2.75	39.6	3.63	4.32	0.05	0.07	0.34	0.039	0.10	10.5	20.3	0.37	737	1.21	0.01
CC143071		1.19	26.7	3.10	3.86	0.05	0.06	0.32	0.034	0.09	8.3	13.8	0.33	506	1.06	0.01
CC143072		1.28	33.3	3.55	3.98	0.05	0.07	3.32	0.037	0.10	9.0	15.8	0.33	591	1.27	0.01
CC143073		2.29	28.9	3.27	3.69	0.05	0.06	0.81	0.033	0.09	9.0	14.5	0.35	588	1.15	0.01
CC143074		0.97	27.6	3.55	4.15	0.05	0.06	0.27	0.036	0.10	10.1	20.1	0.45	681	1.29	0.01
CC143075		2.40	29.1	3.15	4.33	0.05	0.06	0.24	0.035	0.11	8.6	17.7	0.43	872	1.16	0.01
CC143076		3.29	38.2	3.25	4.17	<0.05	0.07	0.36	0.037	0.12	9.5	18.5	0.39	454	1.09	0.01
CC143077		1.71	33.4	3.31	3.68	0.05	0.07	0.32	0.037	0.11	7.9	15.7	0.35	678	1.03	0.01
CC143078		1.26	28.9	3.61	3.66	0.05	0.06	1.10	0.037	0.09	9.9	16.9	0.40	803	1.07	0.01
CC143079		1.33	24.6	3.34	3.70	0.09	0.07	0.28	0.036	0.12	7.1	13.6	0.33	1040	0.75	0.01
CC143080		0.90	23.1	1.74	2.02	0.06	0.05	0.20	0.020	0.07	4.2	6.0	0.37	404	0.40	0.01
CC143081		1.07	26.1	3.09	3.63	0.09	0.07	0.30	0.031	0.10	6.2	12.8	0.36	404	0.56	0.01
CC143082		1.12	34.3	5.52	2.96	0.13	0.06	0.22	0.037	0.11	6.3	10.2	0.25	1210	0.94	0.01
CC143083		0.89	24.8	2.83	2.99	0.09	0.07	0.31	0.032	0.09	6.3	10.4	0.29	571	0.51	0.01
CC143084		1.66	21.8	3.42	5.49	0.10	0.06	0.07	0.031	0.08	9.5	21.5	0.44	491	0.60	0.01
CC143085		2.74	38.5	3.19	5.93	0.11	0.07	0.12	0.034	0.09	10.2	20.4	0.36	447	0.85	0.01
CC143086		1.18	37.5	3.48	5.62	0.11	0.06	0.17	0.035	0.08	10.9	21.0	0.43	534	0.76	0.01
CC143087		2.18	34.9	2.65	4.52	0.08	0.08	0.13	0.027	0.07	5.9	15.5	0.39	611	0.23	0.02
CC143088		1.65	56.3	2.34	3.78	0.08	0.06	0.16	0.025	0.08	6.2	13.5	0.46	532	0.41	0.01
CC143089		3.44	49.0	3.09	4.78	0.10	0.07	0.21	0.031	0.10	10.2	20.5	0.48	368	0.65	0.01





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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143050		0.41	27.5	350	25.4	10.2	<0.001	0.03	1.20	5.6	0.8	0.5	24.7	<0.01	0.04	3.5
CC143051		0.38	28.6	640	26.0	10.8	<0.001	0.04	1.17	5.3	1.0	0.5	34.6	<0.01	0.04	3.3
CC143052		0.58	21.7	310	22.3	16.2	<0.001	0.01	0.97	5.0	0.7	0.7	11.5	<0.01	0.04	3.8
CC143053		0.94	20.7	440	30.4	16.4	<0.001	0.02	0.94	4.4	0.8	0.7	11.0	0.01	0.05	3.4
CC143054		0.09	41.8	460	36.1	7.7	0.001	0.03	0.36	5.9	1.1	0.4	16.2	0.01	0.03	3.7
CC143055		0.42	27.5	230	35.8	13.0	<0.001	0.02	0.79	4.5	0.8	0.5	7.5	<0.01	0.04	3.8
CC143056		0.14	37.7	370	27.7	13.0	0.001	0.03	0.25	9.4	1.1	0.4	34.6	0.01	0.02	6.9
CC143057		0.81	12.1	360	21.0	16.2	<0.001	0.02	0.41	2.5	0.6	0.7	7.2	<0.01	0.04	2.0
CC143058		0.30	27.9	630	29.1	9.9	<0.001	0.04	1.02	7.5	0.9	0.5	26.0	0.01	0.04	3.7
CC143059		0.62	22.4	580	30.6	16.6	<0.001	0.02	1.41	5.1	0.7	0.6	9.8	<0.01	0.04	3.4
CC143060		0.44	29.6	490	28.8	11.9	<0.001	0.03	0.80	5.7	0.8	0.5	17.9	<0.01	0.04	3.4
CC143061		0.45	33.3	410	24.5	10.3	<0.001	0.02	0.73	6.8	0.9	0.5	14.7	0.01	0.04	4.8
CC143062		0.47	23.2	770	18.1	12.7	<0.001	0.07	0.92	4.4	1.0	0.5	31.6	<0.01	0.03	2.0
CC143063		0.45	27.0	710	24.7	19.7	<0.001	0.07	0.99	4.8	1.0	0.5	27.8	<0.01	0.04	2.2
CC143064		0.48	21.8	720	21.7	21.3	<0.001	0.09	0.73	4.0	1.1	0.5	47.4	<0.01	0.03	1.8
CC143065		0.52	18.3	970	19.0	24.5	<0.001	0.12	0.62	3.2	1.1	0.4	38.5	<0.01	0.03	1.1
CC143066		0.50	25.3	880	22.2	28.2	<0.001	0.08	0.74	4.4	1.2	0.5	33.4	<0.01	0.04	1.6
CC143067		0.53	22.0	810	18.4	14.8	<0.001	0.09	0.75	3.5	1.2	0.4	36.6	<0.01	0.04	1.2
CC143068		0.63	28.0	590	21.3	14.0	<0.001	0.05	0.74	4.9	1.2	0.5	24.8	<0.01	0.04	2.2
CC143069		0.66	21.6	780	18.3	13.4	<0.001	0.07	0.53	3.4	1.4	0.5	26.7	<0.01	0.05	1.3
CC143070		0.49	24.4	740	22.3	18.1	<0.001	0.05	0.54	4.9	1.0	0.5	23.9	<0.01	0.05	2.0
CC143071		0.51	20.7	740	20.7	11.0	<0.001	0.07	0.57	3.9	1.2	0.5	32.4	<0.01	0.05	1.6
CC143072		0.48	26.1	640	24.4	10.1	<0.001	0.05	0.66	4.8	1.2	0.5	21.9	<0.01	0.04	2.4
CC143073		0.48	22.7	690	22.1	13.3	0.001	0.07	0.91	4.0	1.4	0.5	25.1	<0.01	0.04	1.6
CC143074		0.57	27.1	450	23.6	17.1	<0.001	0.03	0.96	4.6	0.9	0.5	21.7	<0.01	0.04	2.5
CC143075		0.56	23.3	800	19.4	18.9	<0.001	0.06	0.59	4.0	1.1	0.5	29.9	<0.01	0.04	1.6
CC143076		0.56	24.1	730	21.9	19.3	<0.001	0.07	0.68	4.7	1.3	0.5	32.4	<0.01	0.04	2.0
CC143077		0.48	27.0	580	22.3	15.8	<0.001	0.06	0.61	4.8	1.3	0.5	32.8	<0.01	0.04	2.3
CC143078		0.47	24.6	550	22.2	13.5	<0.001	0.05	0.69	4.8	1.2	0.5	27.8	<0.01	0.04	2.3
CC143079		0.52	25.2	570	20.9	14.6	<0.001	0.04	0.57	4.4	1.2	0.5	25.1	<0.01	0.05	1.9
CC143080		0.40	13.4	820	10.0	10.9	0.001	0.18	0.39	1.4	1.9	0.3	73.2	<0.01	0.04	0.4
CC143081		0.54	22.5	570	19.6	12.0	0.001	0.08	0.61	3.8	1.6	0.5	35.3	<0.01	0.04	1.6
CC143082		0.45	32.0	390	28.0	12.0	0.001	0.02	0.44	5.0	0.9	0.4	25.3	<0.01	0.04	3.8
CC143083		0.56	20.7	600	16.9	12.4	<0.001	0.07	0.50	3.7	1.4	0.4	43.2	<0.01	0.04	1.3
CC143084		0.95	24.1	510	18.9	10.7	<0.001	0.02	0.37	4.1	0.6	0.7	23.8	<0.01	0.03	2.8
CC143085		0.94	22.6	740	22.9	15.1	<0.001	0.04	0.47	4.2	0.9	0.7	25.1	<0.01	0.05	2.3
CC143086		0.88	28.8	510	20.9	13.6	<0.001	0.02	0.46	5.3	0.8	0.6	15.9	<0.01	0.04	2.7
CC143087		0.75	17.3	460	18.3	15.4	<0.001	0.08	0.26	4.3	1.1	0.5	73.1	<0.01	0.04	1.8
CC143088		0.71	17.0	780	16.2	14.9	<0.001	0.10	0.40	3.0	1.1	0.4	81.9	<0.01	0.05	0.9
CC143089		0.80	21.3	900	16.0	19.7	<0.001	0.07	0.47	3.8	1.0	0.5	40.8	<0.01	0.04	1.6

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



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143050		0.006	0.17	0.95	27	0.08	10.00	117	2.0
CC143051		0.005	0.19	1.02	27	0.09	11.30	119	2.0
CC143052		0.008	0.19	1.19	40	0.14	11.10	99	0.8
CC143053		0.019	0.26	1.28	48	0.22	8.41	112	0.7
CC143054		<0.005	0.50	0.73	10	<0.05	15.55	180	0.5
CC143055		<0.005	0.20	0.74	32	0.08	5.29	106	0.8
CC143056		<0.005	0.20	1.11	15	0.07	18.80	112	1.0
CC143057		0.011	0.21	0.52	45	0.15	2.37	52	<0.5
CC143058		<0.005	0.20	1.56	29	0.08	18.60	184	2.0
CC143059		0.008	0.25	1.28	46	0.15	10.15	192	1.3
CC143060		0.009	0.20	1.06	33	0.10	10.60	159	1.7
CC143061		0.011	0.15	1.43	31	0.15	15.90	103	1.7
CC143062		0.006	0.17	1.20	28	0.09	8.68	204	1.7
CC143063		0.005	0.24	1.60	32	0.10	9.69	222	2.3
CC143064		0.005	0.24	2.54	26	0.09	9.82	103	2.5
CC143065		0.006	0.24	1.88	25	0.09	9.25	117	1.8
CC143066		0.008	0.25	2.97	31	0.11	13.25	136	1.8
CC143067		0.006	0.16	3.05	28	0.09	10.85	114	1.6
CC143068		0.014	0.18	1.86	41	0.18	11.90	119	1.7
CC143069		0.016	0.14	2.29	38	0.15	9.06	103	1.2
CC143070		0.008	0.15	2.53	36	0.11	12.60	120	1.6
CC143071		0.007	0.14	1.65	31	0.09	9.34	131	1.7
CC143072		0.007	0.18	1.60	32	0.08	10.45	139	1.7
CC143073		0.007	0.18	2.27	31	0.09	10.75	160	1.8
CC143074		0.013	0.21	1.35	36	0.14	8.34	115	1.4
CC143075		0.010	0.17	2.56	34	0.11	9.16	155	1.5
CC143076		0.007	0.18	2.88	33	0.13	11.55	122	1.9
CC143077		0.006	0.18	1.72	28	0.08	10.10	124	1.9
CC143078		0.009	0.16	1.50	31	0.09	10.45	113	1.5
CC143079		0.007	0.16	3.08	29	0.09	8.86	136	1.5
CC143080		0.005	0.08	2.73	15	0.05	5.23	58	1.1
CC143081		0.005	0.12	3.15	26	0.07	9.11	119	1.6
CC143082		<0.005	0.11	1.28	21	0.05	7.79	110	1.6
CC143083		0.006	0.11	1.94	24	0.10	7.76	96	1.4
CC143084		0.019	0.08	1.24	36	0.21	7.22	74	1.2
CC143085		0.011	0.15	1.32	40	0.26	12.30	72	1.1
CC143086		0.017	0.12	1.60	40	0.15	11.05	83	1.2
CC143087		0.009	0.10	2.32	24	0.10	11.05	54	2.2
CC143088		0.012	0.09	1.98	27	0.10	8.27	60	1.2
CC143089		0.019	0.11	2.20	36	0.16	10.10	105	1.4



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143090		0.21	0.003	0.10	1.46	11.1	<0.2	<10	380	1.55	0.27	0.58	0.05	15.00	10.2	26
CC143091		0.24	0.003	0.13	1.40	24.0	<0.2	<10	430	1.32	0.33	0.27	0.16	20.7	13.0	23
CC143092		0.18	0.003	0.15	1.70	20.2	<0.2	<10	270	1.10	0.28	0.27	0.21	31.0	13.9	26
CC143093		0.26	0.003	0.21	1.17	23.7	<0.2	<10	280	0.91	0.28	1.49	0.66	18.95	15.8	20
CC143094		0.06	0.008	0.15	0.91	14.1	<0.2	20	250	0.87	0.18	2.77	0.71	8.55	8.0	11
CC143095		0.22	0.002	0.06	1.76	33.4	<0.2	<10	120	0.96	0.34	0.06	0.23	15.20	14.2	25
CC143096		0.26	0.002	0.10	1.86	26.6	<0.2	<10	240	1.19	0.31	0.19	0.52	29.3	16.8	26
CC143097		0.08	0.006	0.12	0.82	19.4	<0.2	<10	190	0.56	0.16	2.70	0.28	11.45	8.6	13
CC143098		0.09	0.003	0.11	0.71	27.5	<0.2	10	170	0.73	0.19	2.69	0.33	10.20	8.5	12
CC143099		0.13	0.008	0.19	0.87	16.5	<0.2	<10	410	0.52	0.13	3.78	1.39	9.33	8.1	13
CC143151		0.16	0.003	0.10	1.20	14.4	<0.2	<10	220	1.08	0.35	0.31	0.17	16.30	14.8	20
CC143152		0.17	0.001	0.06	0.62	20.0	<0.2	<10	160	0.99	0.31	0.34	0.27	12.20	12.9	10
CC143153		0.25	0.001	0.07	0.55	9.0	<0.2	<10	140	1.06	0.40	0.30	0.09	14.05	5.7	8
CC143154		0.18	0.004	0.18	1.34	35.6	<0.2	<10	250	0.85	0.28	0.63	0.34	19.60	10.4	23
CC143155		0.17	0.002	0.09	1.15	34.4	<0.2	<10	250	1.12	0.41	0.25	0.21	21.3	15.7	21
CC143156		0.24	0.002	0.08	1.18	31.8	<0.2	<10	240	1.04	0.35	0.47	0.19	15.95	13.7	20
CC143157		0.16	0.002	0.10	1.29	37.7	<0.2	<10	250	0.92	0.33	0.29	0.41	22.0	12.1	22
CC143158		0.15	0.002	0.15	1.18	50.5	<0.2	<10	260	0.95	0.27	1.17	0.43	16.55	12.3	19
CC143159		0.16	0.003	0.03	1.20	1.7	<0.2	<10	140	1.36	0.34	0.44	0.02	31.7	12.8	21
CC143160		0.18	0.002	0.14	1.22	28.7	<0.2	<10	270	0.98	0.27	0.92	0.25	15.90	10.3	19
CC143161		0.15	0.002	0.17	1.46	34.2	<0.2	<10	400	1.21	0.29	0.88	0.15	17.60	11.5	21
CC143162		0.16	0.004	0.15	1.31	19.4	<0.2	<10	260	1.17	0.29	0.50	0.17	16.60	11.2	21
CC143163		0.14	0.002	0.19	1.42	17.3	<0.2	<10	330	1.31	0.31	1.20	0.23	16.70	10.9	22
CC143164		0.20	0.004	0.12	1.27	25.0	<0.2	<10	220	1.17	0.31	0.57	0.20	19.20	11.6	23
CC143165		0.27	0.002	0.10	1.79	11.7	<0.2	<10	190	1.31	0.37	0.65	0.12	14.65	10.8	32
CC143166		0.23	0.002	0.10	1.18	20.1	<0.2	<10	210	1.01	0.33	0.38	0.40	19.05	15.9	22
CC143167		0.27	0.003	0.13	1.26	29.4	<0.2	<10	240	1.17	0.33	0.37	0.52	21.9	15.1	23
CC143168		0.16	0.002	0.09	1.05	25.3	<0.2	<10	190	1.00	0.35	0.29	0.32	25.0	17.9	20
CC143169		0.25	0.002	0.10	1.57	10.6	<0.2	<10	310	1.07	0.39	0.55	0.23	13.80	15.6	25
CC143170		0.13	0.001	0.05	1.54	9.1	<0.2	<10	110	0.60	0.27	0.03	0.08	15.10	8.1	23
CC143171		0.17	0.003	0.07	1.88	16.2	<0.2	<10	300	1.22	0.37	0.40	0.15	30.3	15.4	26
CC143172		0.11	0.003	0.04	1.49	10.7	<0.2	<10	140	0.53	0.32	0.14	0.08	11.30	10.6	20
CC143173		0.15	0.003	0.06	1.22	39.9	<0.2	<10	310	1.07	0.28	0.97	0.22	15.75	10.2	21
CC143174		0.21	0.002	0.11	1.38	28.2	<0.2	<10	220	1.15	0.35	0.64	0.30	13.05	12.6	22
CC143175		0.21	0.003	0.17	1.20	19.8	<0.2	<10	120	0.88	0.27	0.81	0.50	14.50	10.0	21
CC143176		0.20	0.001	0.11	1.24	21.7	<0.2	<10	180	0.91	0.33	0.93	0.45	13.30	16.5	19
CC143177		0.15	0.003	0.28	0.38	52.0	<0.2	10	110	1.20	0.39	0.36	0.23	18.30	26.4	13
DD015148		0.15	0.002	0.13	1.06	30.6	<0.2	<10	230	0.95	0.27	0.87	0.53	15.55	10.5	16
DD015149		0.11	0.004	0.10	1.01	36.9	<0.2	<10	190	0.91	0.28	0.94	0.52	14.00	11.6	16
DD015150		0.15	0.002	0.13	0.82	73.3	<0.2	<10	140	0.62	0.19	4.85	9.51	16.60	8.3	12

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



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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143090		1.59	65.4	3.84	5.33	0.10	0.06	0.13	0.031	0.09	6.8	13.5	0.36	627	0.32	0.01
CC143091		1.75	40.2	4.03	4.47	0.12	0.05	0.31	0.041	0.09	9.8	20.0	0.35	567	1.17	0.01
CC143092		1.81	24.8	3.91	4.67	0.11	0.06	0.17	0.042	0.08	13.2	18.5	0.31	889	1.14	0.01
CC143093		1.49	42.7	4.06	3.83	0.11	0.09	0.48	0.039	0.14	8.2	15.2	0.75	809	1.74	0.01
CC143094		3.97	37.7	2.52	2.29	0.08	0.07	0.27	0.024	0.11	4.2	10.9	0.42	654	0.47	0.02
CC143095		1.58	32.9	4.80	4.77	0.11	0.03	0.25	0.046	0.06	5.9	28.8	0.32	444	2.05	0.01
CC143096		1.72	28.0	4.20	4.60	0.10	0.08	0.31	0.044	0.08	9.3	24.3	0.35	878	1.29	0.01
CC143097		1.37	19.8	2.19	2.36	0.07	0.05	0.21	0.023	0.05	4.7	9.9	0.28	567	0.50	0.01
CC143098		2.21	29.1	2.32	1.98	0.07	0.06	0.34	0.028	0.06	4.5	6.9	0.26	372	0.56	0.02
CC143099		0.87	19.1	2.05	2.43	0.07	0.05	0.28	0.021	0.05	4.4	8.6	0.30	864	0.34	0.02
CC143151		1.68	38.5	3.86	4.23	0.11	0.07	0.26	0.037	0.14	7.4	15.4	0.33	605	0.66	0.01
CC143152		1.96	33.2	2.99	2.37	0.08	0.05	0.10	0.031	0.17	4.8	5.7	0.16	565	0.34	0.01
CC143153		1.40	31.4	1.76	1.78	0.07	0.06	0.10	0.025	0.24	5.9	4.4	0.12	136	0.18	0.01
CC143154		1.59	36.5	3.72	4.14	0.11	0.06	0.40	0.035	0.11	9.7	18.0	0.41	554	0.86	0.01
CC143155		0.84	47.8	4.63	4.10	0.13	0.06	0.34	0.043	0.09	10.2	16.3	0.34	722	1.03	0.01
CC143156		0.75	37.3	4.03	4.02	0.11	0.07	0.31	0.041	0.10	7.2	16.4	0.34	640	0.93	0.01
CC143157		1.05	32.2	4.70	4.36	0.12	0.06	0.31	0.042	0.10	8.7	18.0	0.35	1190	1.10	0.01
CC143158		1.56	24.8	3.32	3.72	0.10	0.07	0.31	0.035	0.12	7.7	15.9	0.36	707	0.55	0.01
CC143159		2.60	35.0	3.40	5.89	0.13	0.10	0.02	0.038	0.14	10.3	21.3	0.34	292	<0.05	0.01
CC143160		1.17	27.9	3.31	3.70	0.09	0.06	0.22	0.036	0.10	7.7	16.1	0.35	547	0.70	0.01
CC143161		1.58	29.6	3.61	4.39	0.10	0.07	0.30	0.040	0.12	8.9	15.8	0.30	604	0.62	0.01
CC143162		1.58	37.3	3.66	4.03	0.10	0.08	0.29	0.039	0.11	8.6	14.8	0.31	525	0.66	0.01
CC143163		1.76	47.0	3.35	4.47	0.09	0.07	0.24	0.038	0.11	8.4	15.0	0.41	514	0.58	0.01
CC143164		1.64	38.8	3.82	4.17	0.10	0.08	0.22	0.036	0.10	8.1	18.9	0.39	691	1.04	0.01
CC143165		2.02	38.7	3.96	7.24	0.10	0.09	0.14	0.041	0.10	7.0	25.7	0.56	308	0.25	0.01
CC143166		1.54	51.7	4.08	4.00	0.07	0.07	0.64	0.039	0.11	8.8	16.9	0.35	808	1.25	0.01
CC143167		1.25	47.6	5.11	4.06	0.08	0.08	0.23	0.041	0.10	8.9	16.7	0.33	274	1.25	0.01
CC143168		0.97	38.5	4.11	3.50	0.08	0.04	0.24	0.039	0.07	9.6	15.8	0.30	926	1.11	0.01
CC143169		1.98	34.3	3.42	4.82	0.06	0.06	0.19	0.040	0.09	5.7	22.5	0.45	349	0.60	0.01
CC143170		5.09	9.1	3.24	6.92	0.05	0.03	0.01	0.021	0.09	7.3	17.3	0.32	341	0.63	0.01
CC143171		3.26	27.2	3.43	4.70	0.07	0.04	0.10	0.041	0.07	15.0	13.0	0.37	445	0.90	0.01
CC143172		4.80	14.4	3.29	5.24	<0.05	0.02	0.11	0.029	0.07	4.9	24.4	0.32	352	0.71	0.01
CC143173		1.08	38.6	3.15	3.69	0.05	0.06	0.29	0.042	0.08	6.9	15.6	0.30	364	0.72	0.01
CC143174		1.72	37.4	4.02	4.42	0.06	0.07	0.46	0.044	0.07	5.5	30.8	0.43	502	1.35	0.01
CC143175		6.10	40.0	3.37	3.56	0.07	0.05	0.34	0.037	0.08	8.2	26.2	0.38	439	0.89	0.01
CC143176		4.14	36.6	3.61	4.07	0.06	0.05	0.16	0.041	0.08	5.6	28.8	0.39	454	0.74	0.01
CC143177		9.29	67.2	7.60	1.16	0.12	0.08	0.42	0.054	0.07	9.0	4.3	0.12	483	1.47	0.01
DD015148		1.45	26.6	3.36	3.02	0.06	0.08	0.68	0.031	0.09	7.1	10.1	0.30	546	0.71	0.01
DD015149		2.07	31.7	3.51	3.06	0.06	0.11	0.78	0.037	0.10	7.2	9.9	0.28	583	0.72	0.01
DD015150		1.17	18.9	3.28	2.31	0.06	0.06	11.00	0.023	0.07	7.3	6.8	2.74	1720	0.56	0.02

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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143090		0.73	21.2	530	18.1	12.8	<0.001	0.04	0.23	4.9	0.8	0.8	36.1	<0.01	0.04	2.7
CC143091		0.50	34.6	470	27.9	9.9	<0.001	0.01	0.62	6.7	1.0	0.6	18.9	<0.01	0.06	4.9
CC143092		0.70	34.7	600	24.4	12.9	<0.001	0.01	0.55	5.3	0.9	0.6	16.6	<0.01	0.05	4.3
CC143093		0.34	41.1	750	26.4	9.6	0.001	0.01	0.82	6.3	1.0	0.5	37.6	<0.01	0.05	5.4
CC143094		0.32	28.1	850	12.9	15.4	0.001	0.24	0.66	2.5	1.7	0.3	138.0	<0.01	0.06	0.7
CC143095		0.48	36.2	180	35.5	14.6	<0.001	<0.01	0.81	4.3	0.7	0.6	9.3	<0.01	0.05	4.0
CC143096		0.55	39.3	430	31.3	12.4	<0.001	0.01	0.75	4.4	0.9	0.6	15.0	<0.01	0.05	4.3
CC143097		0.48	18.2	700	12.9	6.5	<0.001	0.12	1.57	2.3	2.0	0.3	117.5	<0.01	0.04	0.7
CC143098		0.37	23.6	640	18.7	8.0	<0.001	0.12	3.11	2.9	2.3	0.3	98.2	<0.01	0.04	0.9
CC143099		0.43	17.0	890	11.6	7.6	<0.001	0.15	0.83	1.7	2.4	0.3	120.5	<0.01	0.05	0.4
CC143151		0.45	34.5	350	23.8	12.3	<0.001	0.01	0.44	5.7	0.7	0.6	22.5	<0.01	0.04	5.4
CC143152		0.27	22.3	330	17.6	12.8	<0.001	0.01	0.27	4.4	0.7	0.4	18.2	<0.01	0.02	4.0
CC143153		0.19	14.5	350	16.0	16.2	<0.001	0.01	0.20	4.3	0.6	0.4	22.2	<0.01	0.02	4.2
CC143154		0.61	27.0	710	20.2	14.8	<0.001	0.05	0.59	3.9	1.0	0.5	23.8	<0.01	0.05	1.6
CC143155		0.49	34.1	520	29.9	7.8	<0.001	0.01	0.70	6.1	0.9	0.5	21.2	<0.01	0.04	6.0
CC143156		0.53	30.1	210	24.9	8.1	<0.001	0.02	0.60	5.3	1.0	0.5	21.4	<0.01	0.04	3.5
CC143157		0.55	29.9	370	29.8	9.8	<0.001	0.02	0.67	4.9	0.9	0.5	17.1	<0.01	0.04	3.5
CC143158		0.58	24.9	610	22.2	16.8	<0.001	0.06	0.48	4.3	1.1	0.5	36.0	<0.01	0.04	1.8
CC143159		0.32	28.8	1460	10.7	15.2	<0.001	<0.01	0.10	5.8	0.9	0.7	24.7	0.01	0.03	5.7
CC143160		0.56	23.0	520	21.0	12.5	<0.001	0.05	0.53	4.2	0.9	0.5	30.0	<0.01	0.05	1.8
CC143161		0.62	23.5	590	21.4	17.0	<0.001	0.05	0.47	5.1	1.3	0.6	33.6	<0.01	0.05	2.2
CC143162		0.55	26.0	440	31.8	14.1	<0.001	0.03	0.46	5.4	1.0	0.6	22.4	<0.01	0.04	2.5
CC143163		0.62	25.3	780	20.8	18.7	<0.001	0.06	0.48	4.1	1.3	0.6	40.7	<0.01	0.05	1.2
CC143164		0.64	26.3	390	29.4	12.9	<0.001	0.03	0.58	5.0	0.9	0.5	22.8	<0.01	0.06	2.8
CC143165		0.61	28.5	420	22.1	14.0	<0.001	0.04	0.26	5.7	0.9	0.9	25.6	<0.01	0.04	3.1
CC143166		0.43	38.6	600	30.6	11.4	0.001	0.02	0.66	6.4	0.9	0.6	20.4	<0.01	0.01	4.9
CC143167		0.50	34.3	530	29.0	12.9	0.001	0.03	0.48	6.7	1.1	0.7	17.2	<0.01	0.03	5.2
CC143168		0.30	36.0	660	35.5	6.6	0.001	0.01	0.70	5.7	1.1	0.6	19.1	<0.01	0.04	5.7
CC143169		0.47	30.9	340	22.0	10.1	0.001	0.02	0.37	6.6	0.7	0.8	23.1	<0.01	0.01	4.7
CC143170		0.87	15.0	140	20.8	25.6	0.001	0.01	0.26	2.7	<0.2	1.0	5.3	<0.01	0.02	3.3
CC143171		0.66	27.5	600	18.3	13.3	0.001	0.02	0.54	5.0	0.8	0.7	23.7	<0.01	0.03	2.9
CC143172		0.51	18.7	230	15.6	19.4	<0.001	0.01	0.24	3.1	0.2	0.7	11.7	<0.01	0.04	2.6
CC143173		0.36	30.2	360	26.9	9.8	0.001	0.03	3.37	4.8	1.0	0.6	44.8	<0.01	0.03	2.2
CC143174		0.35	34.3	300	27.7	8.1	0.001	0.02	0.66	5.9	0.9	0.7	36.0	<0.01	0.05	3.7
CC143175		0.40	29.5	650	23.0	16.2	0.001	0.04	0.56	5.9	0.9	0.5	60.6	<0.01	0.02	2.5
CC143176		0.41	33.1	430	26.4	12.2	0.001	0.04	0.47	5.7	0.8	0.6	48.9	<0.01	0.06	2.1
CC143177		0.06	78.4	270	91.4	7.3	0.001	0.02	0.76	10.1	2.5	0.7	33.9	<0.01	0.06	5.9
DD015148		0.33	23.8	520	29.2	8.2	<0.001	0.05	1.45	4.1	0.9	0.5	15.8	<0.01	0.02	1.9
DD015149		0.31	27.2	440	34.4	9.4	<0.001	0.04	1.38	4.8	1.0	0.6	19.6	<0.01	0.02	2.6
DD015150		0.22	18.8	700	246	8.9	<0.001	0.07	12.65	2.7	0.7	0.4	20.2	<0.01	0.01	1.2



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143090		0.010	0.08	1.54	32	0.14	10.05	57	1.0
CC143091		0.007	0.16	1.23	35	0.10	13.70	98	1.2
CC143092		0.009	0.21	1.11	40	0.21	12.30	85	1.0
CC143093		0.005	0.24	1.02	37	0.07	11.50	146	2.8
CC143094		<0.005	0.17	2.77	18	0.05	8.10	58	1.7
CC143095		<0.005	0.21	0.88	41	0.06	4.88	119	1.2
CC143096		0.006	0.21	1.26	36	0.09	8.10	111	2.0
CC143097		0.006	0.10	8.20	20	0.08	5.97	71	1.2
CC143098		<0.005	0.14	7.31	18	0.07	6.76	106	1.3
CC143099		0.006	0.10	4.29	23	0.06	6.04	63	0.9
CC143151		0.006	0.12	0.79	24	0.05	9.43	101	2.3
CC143152		<0.005	0.11	0.71	16	<0.05	7.94	74	1.1
CC143153		<0.005	0.10	0.88	12	<0.05	7.98	50	1.8
CC143154		0.011	0.15	2.40	34	0.11	10.75	115	1.2
CC143155		0.009	0.13	0.95	29	0.07	11.10	119	2.1
CC143156		0.005	0.14	0.79	26	0.06	8.62	93	1.4
CC143157		0.009	0.19	1.10	33	0.11	10.05	110	1.2
CC143158		0.007	0.14	1.12	28	0.08	9.67	132	1.4
CC143159		0.007	0.09	0.86	19	<0.05	19.55	81	3.0
CC143160		0.007	0.13	1.57	27	0.08	8.83	92	1.3
CC143161		0.005	0.14	3.03	31	0.08	10.55	109	1.5
CC143162		0.006	0.13	2.77	30	0.08	10.75	107	1.6
CC143163		0.008	0.12	4.26	31	0.10	9.94	111	1.2
CC143164		0.010	0.15	1.30	32	0.11	8.51	101	1.6
CC143165		0.008	0.08	2.14	29	0.06	8.81	119	1.9
CC143166		0.012	0.18	0.91	30	0.05	11.85	159	2.3
CC143167		0.009	0.15	1.01	33	0.09	11.45	124	2.7
CC143168		0.009	0.16	1.14	28	<0.05	12.35	115	1.7
CC143169		0.007	0.12	1.10	30	0.09	8.83	103	2.2
CC143170		0.022	0.17	0.38	41	0.10	2.89	60	1.0
CC143171		0.011	0.19	1.58	42	0.20	12.15	74	1.1
CC143172		0.007	0.12	0.37	35	0.08	2.46	59	0.7
CC143173		<0.005	0.12	1.45	36	0.07	8.02	75	1.8
CC143174		0.006	0.19	1.02	31	0.05	7.81	137	1.9
CC143175		0.009	0.15	1.04	30	0.07	12.95	122	1.4
CC143176		0.007	0.13	1.23	26	0.06	9.09	115	1.3
CC143177		<0.005	0.67	0.90	21	<0.05	17.85	122	3.0
DD015148		0.006	0.25	1.29	24	0.07	9.82	212	2.1
DD015149		<0.005	0.24	1.24	24	0.05	11.05	266	3.1
DD015150		0.006	0.51	1.50	19	0.07	9.52	1420	1.6



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015151		0.08	0.004	0.16	0.88	17.2	<0.2	<10	230	0.64	0.22	2.46	0.55	14.10	9.4	15
DD015152		0.18	0.002	0.26	0.50	82.3	<0.2	<10	130	0.68	0.22	4.32	0.50	8.70	8.4	9
DD015153		0.10	0.007	0.19	0.70	37.3	<0.2	<10	230	0.61	0.21	2.21	0.36	9.09	7.7	11
DD015154		0.11	0.006	0.20	0.83	45.1	<0.2	<10	290	0.63	0.22	2.01	0.52	11.30	12.2	13
CC143201		0.21	0.003	0.07	1.33	32.3	<0.2	<10	260	0.68	0.31	0.69	0.33	14.00	9.3	19
CC143202		0.17	0.009	0.14	1.84	57.9	<0.2	<10	180	1.21	0.33	0.11	0.43	30.2	16.8	23
CC143203		0.15	0.007	0.03	2.01	68.3	<0.2	<10	110	0.52	0.33	0.03	0.19	15.90	9.6	26
CC143204		0.12	0.004	0.21	1.95	1355	<0.2	<10	450	1.11	0.32	2.62	0.80	45.1	12.3	22
CC143205		0.18	0.004	0.17	1.20	1285	<0.2	<10	310	0.65	0.19	3.09	1.15	16.30	8.3	15
CC143206		0.13	0.004	0.07	0.57	43.7	<0.2	<10	80	0.26	0.21	0.64	0.25	12.50	6.4	10
CC143207		0.18	0.003	0.42	0.55	17.6	<0.2	<10	60	1.17	0.39	0.38	0.41	63.0	12.4	6
CC143208		0.14	0.009	0.24	1.18	76.3	<0.2	<10	390	1.12	0.31	1.14	0.26	16.70	11.0	18
CC143209		0.14	0.008	0.20	1.05	52.9	<0.2	<10	330	1.06	0.30	1.34	0.24	17.15	11.5	15
CC143210		0.13	0.007	0.17	0.89	31.0	<0.2	<10	260	0.81	0.28	1.09	0.23	13.05	8.6	12
CC143211		0.21	0.002	0.19	0.53	24.9	<0.2	<10	140	0.70	0.31	0.57	0.12	11.25	7.9	8
CC143212		0.14	0.006	0.03	1.19	11.7	<0.2	<10	130	0.43	0.32	0.19	0.16	18.15	7.3	20
CC143213		0.22	0.002	0.01	0.93	14.1	<0.2	<10	100	0.45	0.31	0.08	0.06	14.90	5.9	12
CC143214		0.14	0.002	0.05	0.78	15.2	<0.2	<10	90	0.36	0.26	0.24	0.15	14.65	5.5	11
CC143215		0.14	0.004	0.18	1.24	21.9	<0.2	<10	340	0.94	0.27	0.99	0.31	14.80	9.1	18
CC143216		0.21	0.011	0.07	0.98	11.3	<0.2	<10	120	0.34	0.29	0.10	0.08	19.40	4.4	14
CC143217		0.20	0.003	0.26	1.62	101.5	<0.2	<10	440	1.28	0.31	0.67	0.27	25.4	13.7	24
CC143218		0.14	0.005	0.12	1.13	20.4	<0.2	<10	290	0.92	0.28	0.95	0.24	14.40	9.5	19
CC143219		0.27	0.003	0.10	1.03	15.4	<0.2	<10	220	0.93	0.31	0.55	0.21	19.00	12.1	18
CC143220		0.18	0.008	0.19	1.35	18.6	<0.2	<10	340	1.04	0.30	0.78	0.20	20.9	12.1	22
CC143221		0.29	0.004	0.08	0.79	8.8	<0.2	<10	180	1.02	0.37	0.37	0.07	18.40	12.2	14
CC143222		0.19	0.002	0.09	0.88	12.9	<0.2	<10	230	0.93	0.29	0.54	0.22	14.75	12.3	13
CC143223		0.34	0.005	0.13	0.79	11.9	<0.2	<10	170	1.27	0.34	0.34	0.07	13.80	12.1	16
CC143224		0.21	0.005	0.09	0.83	16.0	<0.2	<10	250	1.01	0.33	0.52	0.22	14.20	10.0	13
CC143225		0.19	0.006	0.11	1.15	17.4	<0.2	<10	250	1.10	0.34	0.59	0.14	15.20	11.9	19
CC143226		0.18	0.004	0.12	0.99	17.3	<0.2	<10	280	1.17	0.33	0.87	0.18	15.35	10.7	16
CC143227		0.16	0.003	0.13	1.08	26.8	<0.2	<10	390	0.88	0.28	1.16	0.32	13.15	10.1	17
CC143228		0.11	0.004	0.21	1.27	23.9	<0.2	<10	390	0.98	0.30	1.39	0.36	15.35	12.2	19
CC143229		0.14	0.006	0.13	1.18	21.0	<0.2	<10	280	0.96	0.30	0.95	0.26	15.30	11.7	19
CC143230		0.11	0.006	0.12	1.33	14.9	<0.2	<10	290	0.90	0.28	1.08	0.18	17.80	12.2	21
CC143231		0.19	0.008	0.14	1.42	16.1	<0.2	<10	370	0.95	0.30	0.83	0.24	18.15	11.4	24
CC143232		0.17	0.007	0.12	1.37	16.0	<0.2	<10	280	0.99	0.29	0.97	0.26	15.35	10.7	23
CC143233		0.14	0.006	0.12	1.26	26.7	<0.2	<10	280	0.90	0.28	0.87	0.23	15.20	8.9	20
CC143234		0.14	0.003	0.13	1.35	19.9	<0.2	<10	320	0.85	0.28	1.01	0.23	14.70	9.7	22
CC143235		0.15	0.006	0.14	1.48	18.5	<0.2	<10	300	0.94	0.29	0.75	0.14	18.85	10.2	24
CC143236		0.18	0.006	0.09	1.34	17.8	<0.2	<10	240	1.09	0.36	0.39	0.15	16.35	13.1	25



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015151		8.72	24.0	2.48	2.56	0.06	0.05	0.24	0.026	0.06	6.0	10.8	0.27	448	0.65	0.02
DD015152		7.84	29.7	2.61	1.30	0.05	0.04	2.77	0.030	0.06	3.7	5.0	1.63	490	1.06	0.02
DD015153		6.99	22.7	2.22	2.06	0.05	0.04	3.68	0.027	0.06	4.2	7.9	0.21	370	0.85	0.02
DD015154		5.05	23.3	2.94	2.30	0.05	0.05	1.15	0.027	0.06	5.2	9.0	0.22	1080	1.19	0.01
CC143201		1.41	17.0	3.43	4.65	0.05	0.04	0.43	0.032	0.06	7.3	9.1	0.29	706	0.76	0.01
CC143202		2.89	30.0	4.50	4.44	0.07	0.09	1.59	0.043	0.06	10.6	17.0	0.22	1100	0.80	0.01
CC143203		1.50	19.2	5.12	6.76	0.06	0.05	0.17	0.046	0.04	6.4	18.1	0.26	679	1.37	0.01
CC143204		1.88	20.6	5.01	4.21	0.09	0.07	9.26	0.036	0.05	17.6	11.5	1.21	2730	0.77	0.02
CC143205		1.53	17.3	3.38	3.47	0.06	0.06	5.62	0.026	0.06	8.0	8.7	1.47	2260	0.58	0.02
CC143206		6.36	9.9	2.18	2.53	<0.05	0.02	0.28	0.020	0.04	5.0	4.8	0.09	347	0.60	0.01
CC143207		6.86	31.0	4.13	0.95	0.13	0.03	1.47	0.047	0.05	26.6	4.9	0.02	623	0.85	0.01
CC143208		1.53	33.2	3.59	3.38	0.07	0.08	0.64	0.036	0.09	8.5	11.9	0.24	644	0.73	0.01
CC143209		4.12	27.4	3.28	2.99	0.07	0.06	0.81	0.036	0.08	8.8	9.5	0.20	706	0.71	0.01
CC143210		3.30	22.0	2.93	2.33	0.05	0.08	0.51	0.032	0.07	6.2	7.5	0.17	408	0.61	0.01
CC143211		9.61	21.8	2.84	1.42	0.05	0.06	0.61	0.029	0.06	5.4	5.1	0.11	220	0.50	0.01
CC143212		5.23	12.4	2.92	5.12	0.05	0.02	0.06	0.027	0.09	8.9	16.8	0.26	273	0.80	0.01
CC143213		3.66	14.6	2.08	4.08	<0.05	<0.02	0.01	0.019	0.10	7.2	11.0	0.12	171	0.76	0.01
CC143214		4.56	24.6	1.99	4.14	<0.05	<0.02	0.10	0.025	0.08	6.7	3.5	0.09	241	0.78	0.01
CC143215		12.20	28.0	2.91	3.49	0.05	0.06	0.23	0.033	0.10	7.4	12.7	0.30	461	0.68	0.02
CC143216		1.54	10.8	1.95	5.05	<0.05	<0.02	0.16	0.016	0.07	9.9	5.5	0.13	232	0.88	0.01
CC143217		3.10	33.4	3.37	4.48	0.07	0.06	0.23	0.036	0.14	13.9	21.9	0.39	829	0.79	0.02
CC143218		4.70	30.0	3.12	3.38	0.07	0.09	0.34	0.034	0.12	7.4	15.2	0.33	359	0.79	0.02
CC143219		2.17	35.6	3.35	3.27	0.07	0.07	0.27	0.032	0.16	8.8	14.1	0.31	504	0.81	0.01
CC143220		3.10	40.7	3.35	3.91	0.07	0.09	0.28	0.033	0.13	10.2	19.3	0.38	628	0.87	0.02
CC143221		1.97	39.3	3.35	2.69	0.06	0.06	0.10	0.024	0.18	8.4	10.9	0.24	298	0.96	0.01
CC143222		1.27	24.7	2.78	2.65	0.06	0.08	0.16	0.032	0.16	6.6	9.9	0.22	752	0.57	0.01
CC143223		2.07	35.3	3.29	2.55	0.07	0.08	0.12	0.035	0.14	6.6	9.4	0.21	389	0.62	0.01
CC143224		1.19	26.9	3.61	2.44	0.06	0.07	0.21	0.035	0.15	6.6	9.2	0.18	225	0.74	0.01
CC143225		1.25	33.5	3.54	3.36	0.06	0.08	0.21	0.038	0.11	7.5	14.8	0.29	608	0.75	0.01
CC143226		1.33	31.8	3.52	3.12	0.06	0.07	0.23	0.032	0.13	7.4	14.6	0.27	413	0.67	0.01
CC143227		1.23	30.5	3.22	3.08	0.05	0.05	0.32	0.033	0.12	6.2	11.2	0.30	736	0.74	0.02
CC143228		1.24	31.9	3.29	3.55	0.06	0.08	0.80	0.031	0.13	7.5	13.4	0.32	711	0.80	0.02
CC143229		1.32	30.8	3.26	3.72	0.06	0.07	0.21	0.032	0.12	7.7	15.9	0.35	556	0.82	0.02
CC143230		1.10	28.4	3.15	4.18	0.06	0.06	0.19	0.035	0.08	7.9	17.6	0.37	647	0.87	0.02
CC143231		1.37	30.6	3.46	4.32	0.06	0.05	0.20	0.034	0.10	8.6	19.0	0.44	604	0.86	0.02
CC143232		1.67	29.3	3.31	4.20	0.06	0.07	0.20	0.034	0.10	8.0	18.2	0.41	539	0.87	0.02
CC143233		1.44	30.0	3.18	3.97	0.06	0.06	0.25	0.034	0.10	7.2	14.4	0.32	353	0.92	0.02
CC143234		1.46	29.6	3.03	3.92	0.06	0.08	0.25	0.032	0.09	7.3	14.5	0.37	480	0.81	0.02
CC143235		1.39	34.7	3.17	4.44	0.06	0.04	0.17	0.032	0.08	9.3	20.3	0.41	468	0.96	0.01
CC143236		0.96	35.3	4.02	4.83	0.06	0.06	0.19	0.041	0.07	6.6	18.9	0.38	381	1.26	0.02

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





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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015151		0.35	21.9	780	18.8	13.4	0.001	0.12	0.52	3.4	1.3	0.5	105.5	<0.01	0.03	1.0
DD015152		0.16	27.0	570	35.1	10.1	0.001	0.07	1.15	4.0	1.1	0.4	78.6	<0.01	0.02	1.4
DD015153		0.24	21.0	580	18.1	10.3	0.001	0.10	0.81	2.8	0.7	0.4	83.3	<0.01	0.04	0.8
DD015154		0.25	26.3	800	21.0	11.7	0.002	0.13	0.84	3.0	1.4	0.5	83.0	<0.01	0.03	0.9
CC143201		0.48	16.8	530	27.8	15.2	<0.001	0.03	1.08	3.5	0.5	0.7	10.5	<0.01	0.02	1.8
CC143202		0.31	33.6	240	64.9	13.2	0.001	0.02	1.97	5.7	1.0	0.7	7.7	<0.01	0.03	5.6
CC143203		0.95	20.1	280	51.5	11.9	<0.001	0.02	1.47	3.7	0.6	0.9	5.7	<0.01	0.03	3.1
CC143204		0.48	31.1	1200	30.2	12.9	0.001	0.06	26.2	4.2	0.9	0.6	20.8	<0.01	0.13	2.0
CC143205		0.37	18.3	980	24.9	11.9	0.001	0.05	10.65	3.1	0.6	0.5	18.8	<0.01	0.01	1.3
CC143206		0.44	14.0	350	38.6	7.5	0.001	0.03	0.51	1.7	0.2	0.5	13.9	<0.01	0.02	1.9
CC143207		0.05	37.6	1760	38.5	7.5	<0.001	0.01	0.36	7.3	2.0	0.5	31.3	<0.01	0.01	6.3
CC143208		0.33	28.2	660	23.7	9.7	0.001	0.05	0.87	4.9	1.3	0.6	56.5	<0.01	0.02	2.1
CC143209		0.36	26.7	660	26.0	12.7	0.001	0.06	1.63	4.3	1.1	0.6	60.4	<0.01	0.01	1.7
CC143210		0.28	22.3	660	23.1	10.2	0.001	0.07	0.84	3.3	1.0	0.5	45.6	<0.01	0.03	1.5
CC143211		0.18	22.6	400	25.0	13.9	0.001	0.04	0.38	3.6	0.8	0.5	31.7	<0.01	0.01	1.9
CC143212		0.85	14.6	360	15.0	25.1	<0.001	0.02	0.37	2.4	0.3	0.7	17.2	<0.01	0.05	1.8
CC143213		0.71	10.9	190	17.4	20.4	<0.001	0.01	0.32	1.9	0.2	0.7	9.8	<0.01	0.01	2.4
CC143214		0.37	11.8	460	18.6	13.7	<0.001	0.02	0.34	1.7	0.2	0.7	17.7	<0.01	0.02	0.9
CC143215		0.46	21.2	770	17.9	25.1	0.001	0.07	0.53	4.0	0.8	0.6	51.5	<0.01	0.02	1.6
CC143216		0.80	9.4	290	12.8	13.6	<0.001	0.02	0.35	1.9	0.2	0.8	10.6	<0.01	0.02	1.8
CC143217		0.53	30.5	830	22.1	16.2	0.001	0.04	0.51	5.5	1.4	0.7	37.3	<0.01	0.03	2.0
CC143218		0.46	22.0	580	19.4	20.0	0.001	0.07	0.52	4.3	1.3	0.5	41.4	<0.01	0.04	2.2
CC143219		0.48	25.4	500	20.4	20.5	0.001	0.03	0.45	4.5	1.1	0.6	26.5	<0.01	0.04	3.1
CC143220		0.51	25.0	650	22.7	24.0	0.001	0.08	0.51	4.6	1.3	0.6	27.5	<0.01	0.04	2.0
CC143221		0.37	25.2	290	19.4	17.0	<0.001	0.02	0.46	3.9	0.8	0.5	23.6	<0.01	0.05	3.8
CC143222		0.28	18.6	490	21.6	13.8	0.001	0.04	0.28	4.0	0.9	0.5	21.9	<0.01	0.03	2.2
CC143223		0.34	19.7	360	18.4	12.1	<0.001	0.02	0.32	5.2	0.7	0.6	23.9	<0.01	0.03	3.8
CC143224		0.28	17.8	440	20.2	12.8	<0.001	0.05	0.29	4.7	1.0	0.5	28.9	<0.01	0.03	3.5
CC143225		0.37	22.9	550	19.3	12.7	0.001	0.04	0.33	4.6	0.9	0.6	28.6	<0.01	0.03	2.3
CC143226		0.36	20.5	620	17.9	11.9	0.001	0.05	0.43	4.8	0.9	0.6	39.2	<0.01	0.03	2.7
CC143227		0.37	20.3	740	18.4	13.1	<0.001	0.09	0.50	3.4	1.1	0.5	42.9	<0.01	0.05	1.2
CC143228		0.46	22.3	770	20.0	15.3	0.001	0.08	0.50	3.8	1.0	0.6	45.8	<0.01	0.02	1.5
CC143229		0.48	21.5	490	22.1	16.1	<0.001	0.04	0.45	4.3	0.9	0.6	34.7	<0.01	0.04	2.0
CC143230		0.59	22.9	590	21.0	12.1	<0.001	0.05	0.47	4.0	1.0	0.6	34.9	<0.01	0.04	1.9
CC143231		0.55	23.8	640	22.8	13.7	0.001	0.05	0.46	3.9	0.8	0.6	30.5	<0.01	0.03	1.6
CC143232		0.53	21.7	720	21.1	14.9	<0.001	0.07	0.42	3.9	0.9	0.6	34.5	<0.01	0.04	1.6
CC143233		0.50	23.4	620	18.8	13.0	<0.001	0.06	0.48	4.0	1.0	0.6	31.6	<0.01	0.03	1.7
CC143234		0.47	21.5	770	19.8	13.8	<0.001	0.08	0.46	3.8	0.9	0.6	39.8	<0.01	0.04	1.5
CC143235		0.62	22.7	550	18.9	12.2	<0.001	0.04	0.55	3.5	0.9	0.6	28.2	<0.01	0.04	1.5
CC143236		0.59	30.0	290	27.0	8.4	0.001	0.01	0.46	5.2	0.7	0.7	20.1	<0.01	0.04	4.3



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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015151		0.006	0.21	1.54	23	0.07	9.99	115	1.4
DD015152		<0.005	1.02	0.89	18	0.06	8.11	127	1.3
DD015153		0.005	0.43	0.99	21	0.06	7.95	103	1.2
DD015154		<0.005	0.46	1.01	29	0.07	8.65	121	1.4
CC143201		0.008	0.20	1.14	36	0.12	6.17	151	1.1
CC143202		<0.005	0.45	1.06	30	0.07	9.27	217	2.6
CC143203		0.008	0.29	0.58	50	0.13	3.00	96	1.5
CC143204		0.008	4.67	2.80	34	0.20	16.15	418	1.8
CC143205		0.008	0.55	1.58	26	0.10	8.62	317	1.5
CC143206		0.014	0.20	0.45	23	0.15	2.72	77	0.8
CC143207		<0.005	1.07	1.01	7	0.07	29.3	128	0.7
CC143208		0.006	0.17	1.17	25	0.07	13.10	115	1.8
CC143209		0.006	0.33	1.44	23	0.09	12.80	106	1.8
CC143210		0.005	0.23	1.09	19	0.06	9.29	93	1.8
CC143211		<0.005	0.27	0.80	12	0.05	9.37	91	1.4
CC143212		0.022	0.14	0.54	47	0.18	3.10	63	0.5
CC143213		0.015	0.16	0.37	33	0.12	2.26	43	<0.5
CC143214		0.009	0.14	0.67	29	0.09	3.65	53	<0.5
CC143215		0.008	0.17	1.34	28	0.11	11.45	115	1.5
CC143216		0.019	0.14	0.58	40	0.18	4.03	40	<0.5
CC143217		0.010	0.17	1.58	37	0.15	19.50	87	1.3
CC143218		0.007	0.13	1.51	27	0.07	10.95	111	2.4
CC143219		0.010	0.14	1.39	25	0.06	10.85	98	1.8
CC143220		0.010	0.16	2.48	31	0.09	15.45	106	2.2
CC143221		0.010	0.13	1.19	19	0.14	10.75	61	1.7
CC143222		0.006	0.13	1.30	20	<0.05	12.70	89	2.0
CC143223		0.008	0.10	1.14	20	0.06	10.50	76	2.1
CC143224		<0.005	0.13	1.05	20	0.05	10.00	79	1.9
CC143225		0.006	0.11	1.42	26	0.07	10.05	99	1.7
CC143226		0.005	0.11	1.37	21	0.05	14.05	86	2.0
CC143227		0.006	0.13	1.30	25	0.08	7.84	99	1.4
CC143228		0.008	0.13	1.81	27	0.12	10.60	113	1.8
CC143229		0.008	0.13	1.36	27	0.08	10.15	117	1.6
CC143230		0.010	0.11	1.24	31	0.11	9.22	80	1.5
CC143231		0.011	0.11	1.28	33	0.10	10.55	100	1.4
CC143232		0.009	0.11	1.29	31	0.11	10.60	121	1.7
CC143233		0.007	0.13	1.43	29	0.07	10.65	111	1.6
CC143234		0.007	0.13	1.62	29	0.08	9.88	109	1.7
CC143235		0.016	0.11	1.68	37	0.14	9.56	101	1.2
CC143236		0.010	0.12	0.94	32	0.08	6.89	108	1.9



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143237		0.17	0.008	0.06	1.19	18.3	<0.2	<10	150	0.56	0.30	0.23	0.20	19.85	7.8	19
CC143238		0.15	0.003	0.15	1.45	15.1	<0.2	<10	360	0.83	0.27	0.85	0.35	24.0	8.7	24
CC143239		0.20	0.002	0.12	1.45	29.5	<0.2	<10	210	1.15	0.34	0.72	0.19	15.75	11.4	24
CC143240		0.28	0.002	0.08	1.34	17.1	<0.2	<10	260	1.18	0.37	0.69	0.35	15.60	15.3	25
CC143241		0.14	0.007	0.09	1.21	7.6	<0.2	<10	240	0.96	0.29	0.72	0.42	12.65	11.1	21
CC143242		0.21	0.003	0.16	1.35	15.0	<0.2	<10	210	1.16	0.32	0.58	0.77	20.9	11.5	24
CC143243		0.16	0.004	0.14	1.38	18.5	<0.2	<10	320	0.87	0.29	1.01	0.53	19.45	12.2	23
CC143244		0.16	0.003	0.12	1.57	19.2	<0.2	<10	260	0.94	0.33	0.70	0.26	21.4	13.6	25
CC143245		0.25	0.003	0.10	1.57	18.2	<0.2	<10	370	0.89	0.30	0.70	0.27	18.50	12.1	24
CC143246		0.16	0.003	0.09	1.83	22.4	<0.2	<10	250	1.32	0.30	1.37	0.48	21.5	10.7	26
CC143247		0.07	0.007	0.08	0.60	27.5	<0.2	10	210	0.65	0.19	3.39	0.21	12.20	7.7	14
CC143248		0.17	0.003	0.16	1.38	20.5	<0.2	<10	270	0.86	0.27	1.07	0.37	21.6	12.7	23
CC143249		0.19	0.004	0.15	1.24	19.8	<0.2	<10	220	0.81	0.30	1.27	0.37	18.70	12.3	21
CC143250		0.22	0.003	0.14	1.21	30.9	<0.2	<10	190	0.81	0.31	0.42	0.33	18.55	12.6	23
DD015046		0.15	0.006	0.09	1.18	118.0	<0.2	<10	770	1.13	0.37	0.37	0.24	15.40	25.0	22
DD015047		0.20	0.011	0.06	1.54	35.2	<0.2	<10	280	0.91	0.32	0.26	0.33	23.0	15.1	24
DD015048		0.19	0.003	0.13	0.97	88.4	<0.2	<10	220	0.85	0.27	2.48	0.87	16.65	13.5	16
DD015049		0.17	0.005	0.12	1.29	49.9	<0.2	<10	310	1.00	0.28	0.70	0.49	18.20	11.7	21
DD015050		0.11	0.009	0.08	1.54	64.3	<0.2	<10	320	1.03	0.29	0.52	1.19	18.40	11.9	22
DD015131		0.20	0.002	0.08	1.01	25.2	<0.2	<10	210	0.84	0.31	0.49	0.20	18.30	12.2	18
DD015132		0.22	0.003	0.10	0.94	18.1	<0.2	<10	310	1.06	0.33	0.74	0.33	16.45	15.5	15
DD015133		0.15	0.002	0.10	1.22	22.2	<0.2	<10	330	1.10	0.34	0.97	0.29	16.65	13.4	19
DD015134		0.15	0.003	0.12	1.29	25.3	<0.2	<10	280	1.04	0.33	1.32	0.32	15.85	13.5	21
DD015135		0.12	0.004	0.08	1.58	17.0	<0.2	<10	530	1.79	0.37	0.49	0.11	23.4	10.9	26
DD015136		0.11	0.006	0.11	1.52	26.5	<0.2	<10	380	1.53	0.49	0.91	0.20	18.15	11.2	25
DD015137		0.14	0.008	0.26	1.55	29.8	<0.2	<10	380	2.42	0.42	0.95	0.27	19.45	10.5	25
DD015138		0.12	0.005	0.04	1.44	23.0	<0.2	<10	260	2.23	0.35	0.31	0.22	17.70	5.8	24
DD015139		0.17	0.002	0.03	1.45	11.4	<0.2	<10	140	1.04	0.33	0.10	0.11	21.5	9.3	25
DD015140		0.09	0.004	0.04	2.60	17.7	<0.2	<10	140	0.96	0.30	0.09	0.26	25.6	13.1	33
DD015141		0.16	0.002	0.04	2.05	17.5	<0.2	<10	180	0.67	0.29	0.08	0.19	21.6	11.1	30
DD015142		0.17	0.003	0.12	1.34	23.6	<0.2	<10	220	1.02	0.32	0.47	0.23	21.3	11.6	24
DD015143		0.15	0.002	0.04	1.41	24.0	<0.2	<10	200	0.62	0.31	0.37	0.22	13.05	10.5	21
DD015144		0.13	0.006	0.03	1.58	17.4	<0.2	<10	200	0.83	0.26	0.68	0.16	18.60	9.5	24
DD015145		0.14	0.006	0.12	1.98	18.4	<0.2	<10	240	0.83	0.31	0.22	0.28	20.4	12.7	24
DD015146		0.12	0.005	0.11	0.83	19.0	<0.2	<10	200	0.92	0.24	1.40	0.33	19.35	11.2	16
DD015147		0.12	0.008	0.03	1.07	14.8	<0.2	<10	150	0.57	0.24	0.25	0.18	17.00	7.8	19



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143237		1.34	15.1	3.04	5.15	<0.05	0.02	0.08	0.029	0.06	8.9	14.8	0.22	345	1.24	0.01
CC143238		1.03	22.2	3.10	4.42	0.07	0.04	0.19	0.033	0.07	11.7	17.9	0.38	462	0.95	0.02
CC143239		1.47	32.7	3.64	4.58	0.06	0.08	0.28	0.039	0.11	7.3	20.8	0.40	400	0.86	0.02
CC143240		1.32	38.3	2.79	4.60	0.05	0.09	0.26	0.041	0.09	6.1	19.2	0.53	278	0.82	0.02
CC143241		1.04	43.8	2.24	4.19	0.05	0.07	0.22	0.040	0.08	4.8	17.7	0.35	111	0.47	0.02
CC143242		2.25	57.5	1.77	4.65	0.06	0.10	0.36	0.045	0.09	8.9	31.8	0.43	78	0.79	0.02
CC143243		1.01	23.4	3.30	4.25	0.06	0.05	0.24	0.035	0.07	9.0	25.5	0.40	551	1.17	0.01
CC143244		1.47	25.4	3.75	4.90	0.06	0.05	0.16	0.036	0.07	7.8	25.7	0.44	716	1.30	0.01
CC143245		0.97	23.0	3.67	4.84	0.06	0.06	0.11	0.038	0.08	7.7	20.2	0.37	468	1.15	0.01
CC143246		1.22	21.2	3.38	4.69	0.06	0.07	0.15	0.042	0.07	10.0	18.3	0.26	313	0.97	0.02
CC143247		1.97	27.3	2.04	1.52	0.05	0.06	0.23	0.029	0.05	5.0	3.8	0.22	408	0.58	0.02
CC143248		1.30	25.8	3.35	4.09	0.06	0.05	0.27	0.032	0.07	8.6	21.7	0.36	517	1.18	0.02
CC143249		2.23	25.0	3.26	3.66	0.06	0.05	0.22	0.033	0.07	9.2	17.9	0.34	583	1.10	0.02
CC143250		1.28	30.5	3.83	3.94	0.05	0.06	0.58	0.038	0.08	7.1	19.6	0.36	546	1.59	0.01
DD015046		5.45	104.0	4.52	3.60	0.05	0.04	0.30	0.049	0.07	6.2	11.8	0.18	1400	1.83	0.02
DD015047		1.87	25.3	3.77	4.81	0.07	0.06	0.82	0.034	0.07	9.9	17.4	0.42	764	1.33	0.01
DD015048		2.52	35.3	3.53	3.09	0.07	0.07	0.92	0.034	0.10	8.5	12.8	1.39	858	1.14	0.02
DD015049		6.04	29.3	3.56	3.95	0.06	0.08	0.68	0.035	0.11	9.2	15.5	0.35	640	1.09	0.01
DD015050		23.9	23.7	3.74	4.71	0.06	0.06	0.64	0.040	0.12	8.5	17.3	0.30	1460	1.08	0.01
DD015131		1.13	24.5	4.21	3.50	0.07	0.07	0.31	0.034	0.10	8.6	15.4	0.28	582	0.99	0.01
DD015132		0.99	23.8	3.90	2.99	0.06	0.07	0.87	0.038	0.12	7.5	10.4	0.24	805	0.73	0.01
DD015133		0.92	33.7	3.54	3.64	0.06	0.06	0.26	0.039	0.12	8.0	12.3	0.31	668	0.85	0.01
DD015134		2.11	38.8	3.23	4.10	0.06	0.06	0.19	0.035	0.11	6.9	18.2	0.39	713	0.90	0.01
DD015135		2.71	38.8	3.19	5.80	0.06	0.05	0.11	0.037	0.09	10.2	21.9	0.38	374	1.01	0.01
DD015136		2.81	40.9	3.03	5.09	0.06	0.07	0.15	0.041	0.09	9.0	21.0	0.42	572	0.91	0.01
DD015137		2.87	64.5	3.33	5.02	0.07	0.09	0.23	0.044	0.09	10.0	18.5	0.41	772	1.03	0.01
DD015138		3.23	65.5	2.66	6.09	0.06	0.02	0.06	0.038	0.10	9.7	9.8	0.19	286	1.53	0.01
DD015139		1.82	21.9	3.05	6.32	0.05	0.02	0.02	0.029	0.07	10.8	19.1	0.39	282	1.00	0.01
DD015140		1.85	17.8	3.85	6.19	0.06	0.09	0.13	0.044	0.08	11.1	26.6	0.36	327	1.66	0.01
DD015141		1.74	17.0	4.08	6.29	0.06	0.03	0.06	0.044	0.06	10.2	26.8	0.44	284	1.47	0.01
DD015142		1.17	31.7	3.74	4.68	0.07	0.05	0.36	0.040	0.09	11.0	21.8	0.38	382	1.35	0.01
DD015143		1.27	17.9	3.56	4.78	0.06	0.03	0.09	0.035	0.06	5.7	22.5	0.30	348	1.52	0.01
DD015144		1.14	15.8	3.41	4.89	0.05	0.05	0.11	0.037	0.07	8.5	19.0	0.38	260	1.09	0.01
DD015145		1.80	16.6	3.54	6.06	0.06	0.06	0.07	0.040	0.05	8.2	24.3	0.31	328	1.49	<0.01
DD015146		2.16	36.2	3.05	2.29	0.06	0.05	0.29	0.034	0.07	8.1	10.8	0.25	446	0.90	0.01
DD015147		1.65	10.9	2.83	3.89	0.05	0.03	0.05	0.028	0.06	7.8	15.9	0.25	266	0.96	0.01



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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143237		0.68	16.9	260	23.8	11.9	<0.001	0.01	0.48	2.8	0.6	0.7	13.4	<0.01	0.06	2.4
CC143238		0.65	23.1	710	18.7	9.0	<0.001	0.04	0.49	4.1	0.9	0.6	28.0	<0.01	0.04	1.9
CC143239		0.48	26.0	520	21.7	14.2	0.001	0.03	0.41	5.5	1.2	0.7	35.0	<0.01	0.04	3.3
CC143240		0.41	33.2	410	27.5	10.3	0.002	0.30	0.41	6.7	0.9	0.7	25.2	<0.01	0.05	4.9
CC143241		0.35	22.6	330	28.3	9.6	0.005	0.76	0.26	5.5	1.3	0.7	35.1	<0.01	0.03	4.2
CC143242		0.61	33.5	490	27.9	12.2	0.002	0.21	0.62	6.7	2.0	0.7	29.3	<0.01	0.04	5.1
CC143243		0.55	27.1	590	21.1	7.8	0.001	0.03	0.61	4.3	1.2	0.6	36.9	<0.01	0.04	2.3
CC143244		0.51	29.0	360	25.5	9.6	<0.001	0.02	0.63	4.3	0.9	0.7	35.3	<0.01	0.05	2.5
CC143245		0.50	28.3	330	22.1	10.3	<0.001	0.01	0.52	4.6	0.6	0.7	31.9	<0.01	0.03	3.3
CC143246		0.35	24.8	350	26.0	9.2	<0.001	0.02	0.38	5.5	0.9	0.8	76.6	<0.01	0.04	2.7
CC143247		0.20	16.6	780	14.4	5.7	0.001	0.15	2.54	2.4	2.8	0.4	164.5	<0.01	0.04	0.6
CC143248		0.55	27.2	450	22.2	8.4	<0.001	0.03	0.62	4.5	1.2	0.6	50.7	<0.01	0.04	2.5
CC143249		0.55	26.7	580	24.2	9.1	<0.001	0.04	0.55	4.6	0.9	0.5	58.6	<0.01	0.04	2.3
CC143250		0.36	30.4	330	29.6	10.0	<0.001	0.01	0.72	5.3	1.0	0.6	25.3	<0.01	0.04	4.3
DD015046		0.40	52.8	480	37.8	11.7	<0.001	0.02	1.13	6.1	0.9	0.6	16.3	<0.01	0.06	2.4
DD015047		0.59	29.0	370	25.7	10.4	<0.001	0.01	0.80	4.2	0.8	0.6	15.4	<0.01	0.04	3.3
DD015048		0.36	29.4	700	44.4	9.8	0.001	0.03	1.41	5.2	1.0	0.5	30.8	<0.01	0.05	3.1
DD015049		0.53	28.9	540	33.4	11.2	0.001	0.04	1.14	4.6	0.8	0.5	22.6	<0.01	0.05	2.3
DD015050		0.55	24.2	770	33.6	27.0	0.001	0.05	1.05	4.9	0.7	0.6	19.2	0.01	0.05	2.2
DD015131		0.55	25.0	530	21.5	10.8	0.002	0.03	0.38	5.3	1.0	0.5	26.4	<0.01	0.04	4.8
DD015132		0.39	25.2	470	20.5	12.6	0.002	0.04	0.31	5.1	1.2	0.5	33.1	<0.01	0.05	2.7
DD015133		0.44	27.1	590	20.3	14.1	0.001	0.05	0.44	4.4	1.2	0.6	39.4	<0.01	0.05	1.7
DD015134		0.55	24.7	680	29.7	16.4	0.001	0.06	0.56	3.7	1.2	0.6	47.2	<0.01	0.05	1.5
DD015135		0.76	24.0	780	22.1	14.9	0.001	0.04	0.39	4.2	0.6	0.7	25.7	0.01	0.05	2.1
DD015136		0.66	21.1	790	20.7	15.6	0.001	0.05	0.39	4.2	0.8	0.7	47.1	0.01	0.04	1.7
DD015137		0.62	21.8	800	24.6	15.9	0.001	0.06	0.49	5.1	1.0	0.7	51.3	0.01	0.05	1.9
DD015138		0.78	13.1	410	25.7	20.8	0.001	0.02	0.39	3.3	0.5	0.9	24.2	<0.01	0.04	2.2
DD015139		0.86	19.7	230	21.1	13.1	0.001	<0.01	0.34	3.3	0.3	0.8	11.9	<0.01	0.03	3.6
DD015140		1.41	29.5	390	21.4	14.3	0.001	0.02	0.63	4.0	0.8	0.8	11.5	0.01	0.06	5.5
DD015141		1.12	29.1	220	28.6	14.7	0.001	0.01	0.50	3.6	0.4	0.8	10.8	<0.01	0.05	3.8
DD015142		0.60	32.5	640	25.0	10.2	0.001	0.02	0.65	5.6	0.7	0.6	27.9	<0.01	0.05	4.5
DD015143		0.60	23.8	200	26.0	11.1	0.001	0.01	0.50	3.1	0.4	0.6	25.5	<0.01	0.05	2.8
DD015144		0.67	24.9	270	21.1	10.3	0.001	0.02	0.49	4.2	0.4	0.6	42.1	<0.01	0.05	3.5
DD015145		0.68	23.1	170	30.2	12.7	0.001	<0.01	0.42	3.6	0.4	0.8	16.2	<0.01	0.04	3.1
DD015146		0.34	27.1	670	19.4	7.4	0.001	0.04	3.16	4.8	1.5	0.4	57.1	<0.01	0.04	2.0
DD015147		0.61	14.9	160	19.6	12.5	0.001	<0.01	0.38	2.8	0.3	0.5	16.6	<0.01	0.03	3.1



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**CERTIFICATE OF ANALYSIS WH12152301**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143237		0.016	0.15	0.64	40	0.14	4.97	82	0.5
CC143238		0.014	0.12	1.54	37	0.12	10.40	90	0.9
CC143239		0.006	0.13	2.26	30	0.07	10.65	118	1.8
CC143240		0.006	0.12	1.49	27	<0.05	9.84	124	3.8
CC143241		0.005	0.09	2.68	20	<0.05	9.02	102	2.3
CC143242		0.009	0.23	3.71	32	0.05	13.45	112	4.0
CC143243		0.011	0.12	1.82	35	0.10	10.15	96	1.3
CC143244		0.010	0.15	1.22	38	0.10	7.99	110	1.3
CC143245		0.007	0.13	0.80	39	0.08	7.23	109	1.5
CC143246		<0.005	0.16	4.95	42	0.06	10.05	108	1.7
CC143247		<0.005	0.11	11.35	17	<0.05	9.41	54	1.7
CC143248		0.010	0.14	2.70	37	0.10	9.58	87	1.4
CC143249		0.011	0.14	1.57	32	0.10	11.80	96	1.3
CC143250		0.008	0.15	0.69	43	0.06	7.54	165	1.8
DD015046		0.006	0.21	1.22	44	0.09	9.55	133	0.9
DD015047		0.012	0.18	0.87	41	0.12	7.95	132	1.2
DD015048		0.006	0.26	1.07	26	0.06	13.00	262	1.8
DD015049		0.010	0.14	1.04	31	0.15	11.20	138	1.8
DD015050		0.007	0.19	1.11	35	0.12	11.20	208	1.2
DD015131		0.008	0.11	0.92	24	0.07	9.44	94	2.0
DD015132		<0.005	0.12	0.98	24	0.10	8.01	96	1.5
DD015133		0.005	0.12	2.24	27	0.08	9.10	106	1.3
DD015134		0.008	0.14	1.64	28	0.12	9.30	112	1.5
DD015135		0.012	0.11	1.18	38	0.17	12.65	67	1.0
DD015136		0.012	0.14	2.01	34	0.16	11.15	80	1.4
DD015137		0.008	0.14	2.15	33	0.14	16.65	81	1.9
DD015138		0.011	0.10	1.60	46	0.27	10.75	49	<0.5
DD015139		0.017	0.08	0.93	39	0.18	5.09	69	<0.5
DD015140		0.015	0.18	0.87	52	0.26	4.92	83	3.0
DD015141		0.013	0.19	0.69	48	0.18	3.90	94	1.1
DD015142		0.012	0.14	1.18	36	0.10	12.30	102	1.4
DD015143		0.007	0.14	0.49	39	0.09	2.70	82	1.0
DD015144		0.007	0.12	1.51	38	0.09	5.80	74	1.5
DD015145		0.007	0.16	1.93	52	0.11	4.19	86	2.1
DD015146		0.005	0.17	2.08	26	0.09	13.00	95	1.2
DD015147		0.010	0.10	0.68	35	0.10	3.69	68	1.2



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**CERTIFICATE OF ANALYSIS WH12152301**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12152425**

Project: Crag East 3  
 P.O. No.:  
 This report is for 154 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

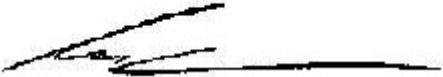
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143178		0.24	0.003	0.08	0.88	41.5	<0.2	<10	190	1.09	0.32	2.74	0.72	17.50	18.9	14
CC143179		0.12	0.003	0.09	0.94	35.7	<0.2	<10	320	0.90	0.25	2.45	0.55	25.6	11.5	14
CC143180		0.13	0.003	0.11	1.10	48.6	<0.2	<10	160	0.84	0.21	3.51	0.62	16.30	8.8	15
CC143181		0.17	0.003	0.10	1.20	44.0	<0.2	<10	190	1.11	0.30	0.61	0.42	22.8	12.3	18
CC143182		0.21	0.003	0.11	1.42	50.6	<0.2	<10	270	1.04	0.33	0.37	0.47	21.5	13.9	23
CC143183		0.10	0.003	0.06	1.21	39.0	<0.2	<10	160	0.76	0.25	3.86	0.53	23.0	9.5	15
CC143184		0.11	0.004	0.08	0.91	42	<0.2	<10	110	0.58	0.10	13.20	0.56	18.35	5.8	12
CC143185		0.11	0.003	0.07	0.97	37.0	<0.2	<10	170	0.74	0.20	4.64	0.43	20.6	10.5	14
CC143186		0.12	0.002	0.15	1.55	24.5	<0.2	<10	270	0.82	0.25	1.06	0.26	23.3	10.9	24
CC143187		0.14	0.003	0.14	1.56	32.0	<0.2	<10	230	0.85	0.27	0.69	0.46	24.0	10.4	25
CC143188		0.14	0.006	0.38	2.06	79.1	<0.2	<10	300	1.74	0.21	8.42	0.44	100.5	11.3	25
CC143189		0.10	0.002	0.17	0.98	14.5	<0.2	<10	190	2.09	0.16	0.70	0.32	57.4	9.1	14
CC143190		0.18	0.001	0.03	1.34	19.8	<0.2	<10	120	0.98	0.39	0.07	0.12	18.60	17.6	18
CC143191		0.09	0.001	0.08	0.54	12.7	<0.2	<10	120	0.46	0.11	1.75	0.30	21.6	5.0	9
CC143192		0.12	0.002	0.16	0.69	69.9	<0.2	<10	150	0.56	0.20	1.96	0.58	16.05	6.5	14
CC143193		0.09	0.002	0.13	1.46	29.9	<0.2	<10	190	0.96	0.22	3.35	0.63	22.4	9.9	21
CC143194		0.10	0.004	0.12	0.77	15.7	<0.2	<10	380	0.82	0.44	2.26	0.09	17.20	11.9	9
CC143195		0.14	0.002	0.10	0.53	30	<0.2	<10	110	0.36	0.10	11.20	0.35	10.25	5.5	8
CC143196		0.16	0.001	0.05	1.27	11.5	<0.2	<10	400	0.94	0.30	0.54	0.15	16.30	7.1	14
CC143197		0.19	0.003	0.24	1.15	21.3	<0.2	<10	310	1.17	0.33	0.70	0.12	16.45	11.3	15
CC143198		0.15	0.007	0.16	1.24	10.6	<0.2	<10	280	1.69	0.30	0.70	0.08	22.0	9.0	14
CC143199		0.22	0.004	0.18	1.22	13.3	<0.2	<10	340	1.22	0.32	0.44	0.12	16.30	9.0	20
CC143200		0.15	0.005	0.16	1.23	17.1	<0.2	<10	250	1.08	0.36	0.49	0.17	15.90	9.4	18
CC143301		0.13	0.003	0.07	1.06	14.0	<0.2	<10	110	0.49	0.42	0.11	0.15	11.15	9.5	21
CC143302		0.17	0.002	0.17	1.07	45.9	<0.2	<10	300	0.85	0.31	0.74	0.47	15.05	15.5	16
CC143303		0.27	0.002	0.11	1.61	25.3	<0.2	<10	250	1.03	0.42	0.42	0.27	18.95	17.2	24
CC143304		0.22	0.002	0.09	0.97	12.4	<0.2	<10	190	0.69	0.26	0.44	0.11	14.65	6.1	16
CC143305		0.21	0.002	0.04	0.54	9.8	<0.2	<10	190	0.68	0.51	0.36	0.08	10.30	8.4	8
CC143306		0.15	0.001	0.06	1.41	18.9	<0.2	<10	240	0.56	0.29	0.14	0.15	23.4	9.7	21
CC143307		0.24	0.004	0.17	0.94	22.7	<0.2	<10	150	0.91	0.37	0.68	0.15	12.95	11.1	17
CC143308		0.20	0.003	0.07	1.13	18.5	<0.2	<10	200	0.72	0.38	0.25	0.18	17.45	12.3	20
CC143309		0.12	0.003	0.09	1.18	24.1	<0.2	<10	270	0.72	0.37	0.49	0.17	16.00	11.4	22
CC143310		0.18	0.004	0.14	1.09	14.4	<0.2	<10	270	0.92	0.38	0.61	0.13	13.50	10.3	18
CC143311		0.24	0.002	0.11	1.15	21.5	<0.2	<10	220	0.88	0.38	0.30	0.25	18.35	12.3	21
CC143312		0.19	0.002	0.13	1.08	15.3	<0.2	<10	220	0.84	0.32	0.54	0.13	15.80	8.6	19
CC143313		0.14	0.002	0.11	1.01	22.5	<0.2	<10	220	0.74	0.33	0.48	0.32	17.15	10.8	20
CC143314		0.14	0.003	0.09	1.42	14.2	<0.2	<10	240	0.60	0.27	0.65	0.23	15.60	10.8	24
CC143315		0.19	0.002	0.10	1.38	19.3	<0.2	<10	190	0.91	0.40	0.61	0.20	18.65	15.0	24
CC143316		0.16	0.001	0.11	1.37	12.3	<0.2	<10	220	0.83	0.37	0.70	0.15	15.35	11.0	22
CC143317		0.14	0.002	0.06	1.40	19.6	<0.2	<10	200	0.88	0.41	0.37	0.15	15.55	18.5	25



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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143178		3.34	39.7	3.61	2.95	0.06	0.06	2.04	0.037	0.13	7.9	14.5	1.54	1020	1.00	0.01
CC143179		1.61	25.2	3.03	2.95	0.06	0.06	0.83	0.033	0.11	9.6	11.3	1.05	939	0.87	0.01
CC143180		0.99	19.5	2.96	3.06	0.05	0.06	0.56	0.030	0.11	8.2	10.0	1.79	920	0.82	0.01
CC143181		1.09	27.2	3.87	3.58	0.07	0.10	0.77	0.036	0.12	10.9	13.2	0.34	764	0.96	0.01
CC143182		1.22	27.2	4.14	4.57	0.06	0.07	3.02	0.039	0.10	10.4	17.2	0.40	768	1.71	0.01
CC143183		1.23	18.7	3.35	3.72	0.06	0.06	0.47	0.032	0.08	10.2	10.8	2.33	646	0.90	0.01
CC143184		1.02	10.0	1.91	1.95	0.05	0.05	1.21	0.018	0.04	9.7	6.0	7.57	756	0.63	0.02
CC143185		0.92	20.2	3.35	2.91	0.05	0.06	0.76	0.032	0.06	9.3	10.8	2.49	1190	0.80	0.01
CC143186		1.51	17.4	3.10	4.81	0.05	0.05	0.40	0.035	0.07	10.1	15.0	0.48	614	0.94	0.01
CC143187		1.77	18.1	3.61	4.69	0.06	0.04	0.43	0.035	0.07	11.6	14.3	0.48	709	1.06	0.01
CC143188		1.76	26.5	4.21	2.29	0.11	0.19	3.73	0.037	0.05	53.3	5.4	4.87	1980	0.79	0.02
CC143189		5.06	11.5	4.08	1.44	0.08	0.08	1.37	0.051	0.05	21.6	5.7	0.07	551	0.44	0.01
CC143190		1.48	34.3	4.28	4.01	0.07	0.04	0.49	0.042	0.07	7.6	16.4	0.23	666	0.95	<0.01
CC143191		2.97	8.3	1.65	1.62	<0.05	0.03	1.19	0.025	0.04	7.8	3.0	0.17	579	0.44	0.01
CC143192		6.24	13.1	2.75	2.13	0.05	0.07	2.88	0.025	0.08	7.7	3.8	0.60	648	0.58	0.01
CC143193		1.39	15.7	3.86	4.18	0.07	0.05	1.03	0.031	0.06	12.0	12.2	1.73	1440	0.92	0.01
CC143194		10.90	22.2	1.97	2.19	<0.05	0.06	0.42	0.032	0.07	8.6	7.1	0.23	633	0.43	0.01
CC143195		2.73	9.2	1.65	1.19	0.05	0.05	0.53	0.015	0.04	6.1	4.5	6.92	859	0.37	0.01
CC143196		7.33	25.8	2.40	5.81	0.07	0.03	0.03	0.022	0.11	7.2	15.6	0.21	331	0.92	0.01
CC143197		10.50	35.0	3.01	3.31	0.09	0.10	0.38	0.031	0.10	8.0	14.1	0.22	579	0.75	0.01
CC143198		3.67	39.7	2.30	3.51	0.12	0.11	0.20	0.025	0.16	10.6	17.8	0.18	407	0.56	<0.01
CC143199		3.83	36.1	2.90	3.87	0.08	0.08	0.11	0.028	0.11	8.0	24.4	0.36	448	0.78	0.01
CC143200		7.89	31.3	3.20	3.57	0.09	0.09	0.17	0.034	0.13	7.4	15.2	0.27	472	0.79	0.01
CC143301		2.23	16.4	2.63	4.68	0.07	0.04	0.10	0.021	0.13	5.0	13.1	0.24	239	0.53	<0.01
CC143302		4.02	28.5	4.21	3.02	0.09	0.09	0.24	0.033	0.13	6.4	13.1	0.26	1300	0.92	0.01
CC143303		3.19	29.2	6.86	5.11	0.14	0.09	0.11	0.043	0.12	6.9	23.4	0.45	380	1.67	0.01
CC143304		3.18	18.7	2.25	3.08	0.07	0.08	0.21	0.032	0.10	6.0	17.9	0.27	162	0.47	0.01
CC143305		1.16	29.6	2.94	1.76	0.07	0.06	0.04	0.036	0.11	4.3	5.6	0.11	470	0.64	0.01
CC143306		1.19	12.6	3.24	4.24	0.08	0.04	0.25	0.034	0.07	9.2	18.9	0.34	382	0.82	0.01
CC143307		2.01	42.5	3.31	2.76	0.09	0.08	0.86	0.035	0.12	6.8	10.7	0.28	440	0.77	0.01
CC143308		1.35	28.3	3.96	3.59	0.09	0.09	0.20	0.040	0.10	6.2	15.0	0.34	603	0.96	0.01
CC143309		1.43	31.6	3.87	3.85	0.09	0.07	0.20	0.036	0.09	6.5	15.6	0.38	646	1.01	0.01
CC143310		2.49	32.8	3.36	3.31	0.08	0.09	0.18	0.036	0.17	6.0	13.2	0.30	452	0.63	0.01
CC143311		1.30	37.6	4.02	3.83	0.10	0.07	0.28	0.037	0.09	7.3	17.7	0.36	706	1.09	0.01
CC143312		2.20	26.8	3.61	3.27	0.09	0.08	0.15	0.037	0.11	7.3	13.8	0.30	478	0.74	0.01
CC143313		1.18	35.3	4.04	3.26	0.10	0.07	0.25	0.062	0.08	7.7	13.1	0.27	576	1.44	0.01
CC143314		1.23	17.9	3.58	4.92	0.09	0.05	0.11	0.031	0.08	6.6	30.8	0.42	791	0.89	0.01
CC143315		2.41	36.8	3.54	4.43	0.09	0.08	0.13	0.035	0.10	7.9	24.0	0.46	626	0.86	0.01
CC143316		2.29	25.9	3.04	4.51	0.08	0.06	0.13	0.034	0.11	6.6	22.1	0.42	517	0.74	0.01
CC143317		3.71	30.5	3.66	4.79	0.09	0.06	0.12	0.042	0.10	6.4	25.9	0.44	635	0.94	0.01

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



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143178		0.26	34.6	450	53.6	10.1	0.001	0.02	2.22	5.8	0.6	0.5	35.5	<0.01	0.05	4.4
CC143179		0.34	23.4	830	31.0	10.0	0.001	0.03	1.58	4.2	0.8	0.5	38.7	<0.01	0.05	2.5
CC143180		0.35	19.6	680	33.0	9.9	0.001	0.04	1.87	3.7	0.7	0.4	21.7	<0.01	0.04	1.5
CC143181		0.44	28.1	340	39.0	8.9	0.001	0.02	1.73	5.4	0.6	0.5	15.2	<0.01	0.04	4.0
CC143182		0.53	30.7	290	42.6	11.2	0.001	0.01	1.29	5.2	0.8	0.6	14.5	<0.01	0.05	4.2
CC143183		0.50	19.1	340	28.0	10.2	0.001	0.02	1.24	4.0	0.5	0.5	23.4	<0.01	0.04	3.5
CC143184		0.27	12.8	2370	30.4	5.7	0.001	0.03	7.31	2.5	0.6	0.3	61.8	<0.01	0.05	1.6
CC143185		0.40	20.3	540	26.2	7.8	0.001	0.03	2.47	3.8	0.6	0.4	23.8	<0.01	0.04	1.9
CC143186		0.75	21.8	680	21.4	11.2	0.001	0.04	1.08	3.5	0.6	0.6	17.7	<0.01	0.05	1.6
CC143187		0.59	23.9	610	27.5	11.9	0.001	0.03	0.97	3.4	0.6	0.6	15.3	<0.01	0.04	1.3
CC143188		0.27	35.9	1620	91.7	10.1	0.001	0.04	8.25	8.9	1.2	0.4	111.5	0.01	0.11	5.4
CC143189		0.22	23.5	830	25.5	6.9	0.001	0.03	0.21	8.5	0.7	0.3	39.5	0.01	0.02	5.8
CC143190		0.38	26.0	140	31.1	12.6	0.001	<0.01	0.55	4.5	0.5	0.6	11.9	<0.01	0.05	5.0
CC143191		0.27	10.9	580	37.5	5.4	0.001	0.05	0.27	1.8	0.6	0.3	49.0	<0.01	0.02	0.7
CC143192		0.25	19.0	980	103.0	6.6	0.001	0.08	8.28	3.5	0.8	0.4	53.1	<0.01	0.03	2.6
CC143193		0.57	20.2	850	55.6	8.8	0.001	0.05	10.50	3.1	0.7	0.5	35.2	0.01	0.06	1.0
CC143194		0.34	13.7	840	28.1	10.9	0.001	0.09	1.71	2.2	1.0	0.3	48.3	<0.01	0.03	1.3
CC143195		0.28	12.8	770	41.1	6.8	<0.001	0.03	2.88	2.4	0.5	0.2	53.0	<0.01	0.02	0.7
CC143196		0.82	14.8	320	17.6	28.1	<0.001	0.02	0.29	3.0	0.4	0.6	23.3	<0.01	0.03	2.1
CC143197		0.49	23.3	680	21.3	27.5	<0.001	0.05	0.39	4.7	1.2	0.5	40.2	0.01	0.03	1.8
CC143198		0.43	28.2	620	17.3	22.0	<0.001	0.05	0.26	6.4	1.6	0.5	46.4	0.01	0.03	3.0
CC143199		0.61	20.8	480	15.2	14.6	<0.001	0.03	0.38	3.8	0.6	0.5	26.4	<0.01	0.03	2.1
CC143200		0.51	21.6	620	17.5	26.1	<0.001	0.04	0.36	4.4	0.8	0.6	32.2	<0.01	0.04	2.0
CC143301		0.58	17.5	540	12.5	18.0	<0.001	0.04	0.25	2.4	0.4	0.6	11.8	<0.01	0.03	1.3
CC143302		0.41	23.3	600	18.7	15.1	0.001	0.05	0.47	4.0	0.8	0.5	36.6	<0.01	0.05	2.4
CC143303		0.49	29.1	450	41.5	11.6	<0.001	0.04	0.35	4.9	0.5	0.7	28.8	<0.01	0.05	3.8
CC143304		0.46	16.4	410	18.6	15.3	<0.001	0.03	0.15	4.3	0.5	0.4	23.4	<0.01	0.03	2.9
CC143305		0.19	14.7	240	6.1	10.3	<0.001	0.03	0.10	3.3	0.5	0.4	35.4	<0.01	0.04	2.3
CC143306		0.87	19.6	300	20.3	12.1	<0.001	0.02	0.42	3.3	0.3	0.6	12.7	<0.01	0.03	2.8
CC143307		0.41	22.5	630	32.4	13.6	<0.001	0.06	0.54	5.4	0.8	0.5	23.7	<0.01	0.05	1.9
CC143308		0.52	25.2	200	24.0	12.5	<0.001	0.02	0.56	4.5	0.5	0.6	12.7	<0.01	0.04	3.6
CC143309		0.56	24.1	410	24.0	14.1	<0.001	0.04	0.55	3.7	0.6	0.6	20.4	<0.01	0.05	2.0
CC143310		0.43	22.4	460	17.5	18.4	<0.001	0.04	0.35	4.5	0.6	0.6	26.9	<0.01	0.04	2.4
CC143311		0.56	28.7	370	27.0	8.5	<0.001	0.02	0.55	4.8	0.6	0.6	15.7	<0.01	0.04	4.0
CC143312		0.50	19.7	520	17.5	15.5	<0.001	0.04	0.40	4.3	0.7	0.5	22.4	<0.01	0.04	2.4
CC143313		0.43	25.8	350	31.2	8.3	<0.001	0.03	0.53	4.2	0.8	0.5	21.4	<0.01	0.04	3.9
CC143314		0.67	20.7	510	18.6	11.6	<0.001	0.05	0.42	3.2	0.5	0.6	25.3	<0.01	0.03	2.0
CC143315		0.59	24.4	530	26.6	14.5	<0.001	0.04	0.55	3.8	0.7	0.6	22.9	<0.01	0.04	1.7
CC143316		0.64	21.3	600	20.5	16.2	<0.001	0.05	0.36	3.8	0.7	0.6	28.4	<0.01	0.04	1.6
CC143317		0.55	23.9	480	66.3	12.5	<0.001	0.03	0.52	3.8	0.5	0.7	18.2	<0.01	0.04	2.4



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
CC143178		<0.005	0.27	0.81	20	0.06	9.76	246	1.8
CC143179		<0.005	0.18	1.14	23	0.06	10.65	156	1.4
CC143180		0.005	0.21	1.28	24	0.08	10.70	188	1.5
CC143181		0.006	0.21	1.11	27	0.10	13.30	167	2.5
CC143182		0.008	0.17	1.05	43	0.09	10.15	164	1.9
CC143183		<0.005	0.17	1.05	28	0.08	8.27	93	1.4
CC143184		<0.005	0.27	3.71	16	0.11	13.70	88	1.3
CC143185		0.008	0.20	1.05	22	0.09	9.23	145	1.5
CC143186		0.016	0.17	1.89	39	0.18	7.66	89	1.2
CC143187		0.014	0.20	1.36	40	0.15	10.35	101	0.8
CC143188		<0.005	0.55	7.04	22	0.18	42.2	90	3.9
CC143189		<0.005	0.21	1.24	11	0.07	24.1	69	2.2
CC143190		0.005	0.13	0.77	25	0.05	5.86	81	1.3
CC143191		0.008	0.13	0.92	14	0.06	6.97	75	0.9
CC143192		<0.005	0.79	1.97	15	0.12	11.95	303	1.9
CC143193		0.017	0.18	1.46	35	0.30	12.10	249	0.9
CC143194		<0.005	0.24	3.65	16	0.08	6.44	34	1.8
CC143195		0.006	0.14	0.79	12	0.10	8.85	196	0.9
CC143196		0.011	0.17	0.59	36	0.17	6.70	47	0.7
CC143197		0.007	0.23	1.28	23	0.12	19.75	80	1.8
CC143198		<0.005	0.15	1.49	18	0.10	34.8	49	1.7
CC143199		0.011	0.11	0.97	27	0.11	10.40	68	1.6
CC143200		0.007	0.16	1.30	27	0.09	12.10	100	1.8
CC143301		0.013	0.15	0.52	25	0.07	5.08	64	0.9
CC143302		0.005	0.17	1.07	24	0.08	9.09	103	1.8
CC143303		0.005	0.10	1.09	27	0.05	7.53	138	2.0
CC143304		0.006	0.11	1.15	25	0.05	7.47	85	1.6
CC143305		<0.005	0.09	1.11	12	<0.05	4.20	60	1.2
CC143306		0.012	0.13	0.63	33	0.14	4.41	76	0.8
CC143307		0.006	0.15	1.21	22	0.07	10.35	91	1.5
CC143308		0.007	0.15	0.66	28	<0.05	5.03	127	2.0
CC143309		0.011	0.13	1.22	30	0.09	6.04	100	1.3
CC143310		0.005	0.13	0.87	22	0.06	8.80	99	2.0
CC143311		0.010	0.15	0.91	29	0.07	8.28	109	1.6
CC143312		0.008	0.11	1.07	25	0.10	9.36	98	1.5
CC143313		0.006	0.14	0.89	37	0.08	8.34	103	1.3
CC143314		0.014	0.10	0.80	31	0.13	4.84	91	1.0
CC143315		0.013	0.12	1.14	31	0.09	9.02	105	1.6
CC143316		0.013	0.11	1.14	30	0.10	7.35	94	1.2
CC143317		0.011	0.13	1.21	28	0.07	7.55	120	1.5



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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143318		0.19	0.002	0.08	1.08	17.4	<0.2	<10	160	0.69	0.31	0.27	0.17	17.65	9.5	20
CC143319		0.11	0.001	0.18	1.18	13.5	<0.2	<10	290	0.90	0.30	0.91	0.21	15.25	9.6	18
CC143320		0.17	0.004	0.18	1.37	14.7	<0.2	<10	190	0.79	0.30	0.52	0.28	19.85	8.1	23
CC143321		0.17	0.008	0.14	1.44	20.0	<0.2	<10	290	1.00	0.35	0.37	0.31	22.7	13.9	24
CC143322		0.18	0.001	0.05	1.61	18.7	<0.2	<10	80	0.44	0.34	0.03	0.10	14.85	8.5	24
CC143323		0.13	0.005	0.03	0.63	4.7	<0.2	<10	90	0.35	0.34	0.04	0.08	11.00	4.1	16
CC143324		0.23	0.002	0.13	1.36	11.1	<0.2	<10	180	0.82	0.34	1.70	0.43	17.20	10.7	22
CC143325		0.12	0.001	0.02	0.87	16.3	<0.2	<10	80	0.33	0.30	0.04	0.09	10.60	5.5	12
CC143326		0.22	0.002	0.14	1.46	17.4	<0.2	<10	230	0.99	0.32	0.60	0.28	17.85	11.1	24
CC143327		0.13	0.002	0.19	1.57	16.3	<0.2	<10	290	0.86	0.30	0.86	0.46	17.25	11.8	24
CC143328		0.13	0.001	0.11	1.29	18.8	<0.2	<10	250	0.79	0.33	0.76	0.29	17.55	13.2	21
CC143329		0.13	0.001	0.17	1.24	17.7	<0.2	<10	240	0.86	0.29	1.28	0.44	17.75	11.2	20
CC143330		0.20	0.004	0.18	1.16	21.3	<0.2	<10	140	0.77	0.29	1.79	0.59	20.2	14.0	19
CC143331		0.14	0.003	0.11	0.99	20.2	<0.2	<10	180	0.82	0.25	0.85	0.34	15.05	12.9	17
CC143332		0.21	0.004	0.15	1.07	27.6	<0.2	<10	260	0.95	0.29	0.45	0.32	17.40	14.8	18
CC143333		0.19	0.002	0.37	1.26	51.6	<0.2	<10	520	0.90	0.20	1.57	1.09	18.80	12.3	21
CC143334		0.13	0.002	0.23	0.63	68.3	<0.2	<10	160	0.54	0.18	0.44	0.71	11.15	7.0	13
CC143335		0.14	0.001	0.18	1.04	68.3	<0.2	<10	280	0.63	0.20	1.84	0.67	11.95	10.5	17
DD015155		0.10	0.006	0.05	1.09	30.4	<0.2	<10	200	0.81	0.30	0.43	0.35	15.00	14.2	18
DD015156		0.12	0.002	0.06	1.19	25.5	<0.2	<10	240	0.68	0.29	0.57	0.45	14.50	11.4	17
DD015157		0.15	0.003	0.15	1.26	37.8	<0.2	<10	260	0.80	0.28	1.00	0.50	17.90	14.3	18
DD015158		0.14	0.003	0.10	1.18	29.0	<0.2	<10	280	0.82	0.26	1.67	1.68	18.40	12.7	16
DD015159		0.17	0.001	0.08	1.13	104.0	<0.2	<10	230	1.00	0.26	2.98	0.66	19.25	9.4	16
DD015160		0.12	0.001	0.10	1.20	45.2	<0.2	<10	240	0.96	0.28	1.13	0.81	17.55	13.2	17
DD015161		0.07	0.004	0.12	1.10	70.6	<0.2	<10	240	0.70	0.18	4.21	1.07	12.45	7.9	14
DD015162		0.09	0.002	0.13	1.17	51.7	<0.2	<10	260	0.63	0.19	2.51	1.44	15.75	8.4	17
DD015163		0.12	0.002	0.12	1.41	23.0	<0.2	<10	270	0.89	0.24	0.87	0.61	21.9	10.8	21
DD015164		0.08	0.002	0.19	1.41	91.2	<0.2	<10	360	0.57	0.24	1.43	3.31	17.10	9.0	20
DD015165		0.18	0.001	0.04	1.45	12.4	<0.2	<10	230	0.46	0.24	0.91	2.05	15.25	6.9	31
DD015166		0.10	0.001	0.12	0.91	33.7	<0.2	<10	130	0.32	0.11	3.55	2.45	14.65	4.8	15
DD015167		0.09	0.003	0.14	1.79	28.0	<0.2	<10	330	0.75	0.25	0.88	1.53	28.5	11.7	28
DD015168		0.11	0.003	0.10	1.27	42.7	<0.2	<10	190	0.62	0.24	3.89	2.70	23.7	9.3	17
DD015169		0.17	0.004	0.15	0.75	70.3	<0.2	<10	600	0.73	0.29	3.26	3.99	15.00	13.3	10
DD015170		0.10	0.002	0.15	0.94	22.3	<0.2	<10	600	0.86	0.25	1.68	0.20	12.65	8.8	13
DD015171		0.19	<0.001	0.17	0.88	13.0	<0.2	<10	260	1.27	0.33	0.60	0.13	18.50	13.9	14
DD015172		0.16	0.005	0.26	1.51	11.4	<0.2	<10	360	1.07	0.27	0.85	0.20	17.55	10.4	22
DD015173		0.13	NSS	0.23	1.69	10.3	<0.2	<10	550	1.93	0.30	1.08	0.11	9.73	7.1	22
DD015174		0.17	0.004	0.15	1.51	14.6	<0.2	<10	380	1.27	0.23	0.72	0.16	16.05	7.2	25
DD015175		0.27	0.008	0.18	1.28	14.9	<0.2	<10	390	1.33	0.33	0.74	0.16	14.55	11.2	20
DD015176		0.17	0.005	0.17	1.30	20.0	<0.2	<10	360	1.55	0.38	0.52	0.26	16.15	15.9	19



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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143318		1.00	29.6	3.59	3.51	0.09	0.05	0.20	0.034	0.07	7.7	16.2	0.35	414	1.15	0.01
CC143319		1.96	38.2	3.21	3.58	0.08	0.06	0.23	0.036	0.11	7.0	13.7	0.27	575	0.90	0.01
CC143320		3.41	29.9	3.43	4.14	0.10	0.07	0.25	0.036	0.10	9.5	23.8	0.37	202	0.70	0.01
CC143321		1.63	34.6	4.07	4.28	0.10	0.05	1.15	0.044	0.10	11.0	18.7	0.37	661	1.38	0.01
CC143322		1.96	16.0	4.15	5.54	0.08	0.07	0.06	0.038	0.07	6.8	27.8	0.30	275	1.25	0.01
CC143323		3.19	14.6	3.10	2.95	0.07	<0.02	0.06	0.022	0.12	4.8	2.4	0.06	341	0.94	<0.01
CC143324		3.14	29.8	3.49	4.44	0.09	0.07	0.19	0.039	0.11	7.3	19.7	1.05	222	0.49	0.01
CC143325		2.15	19.8	2.65	4.37	0.06	<0.02	0.14	0.024	0.08	4.9	5.6	0.08	115	1.26	0.01
CC143326		1.34	28.5	3.67	4.57	0.10	0.08	0.20	0.039	0.09	10.2	20.8	0.40	376	1.30	0.01
CC143327		1.49	23.4	3.60	4.67	0.09	0.07	0.18	0.040	0.09	6.2	23.5	0.41	522	1.06	0.01
CC143328		1.40	26.0	3.42	4.18	0.08	0.06	0.19	0.036	0.08	5.5	21.0	0.38	537	1.20	0.01
CC143329		1.81	29.6	3.41	3.67	0.09	0.08	0.23	0.037	0.10	7.9	17.4	0.39	492	1.12	0.01
CC143330		2.40	32.7	3.58	3.43	0.10	0.07	0.33	0.039	0.11	8.5	16.5	0.90	663	1.69	0.01
CC143331		4.08	35.0	3.14	3.23	0.06	0.06	0.19	0.035	0.08	6.6	16.3	0.28	416	1.14	0.01
CC143332		9.87	41.7	3.88	3.26	0.07	0.08	0.36	0.043	0.08	8.5	14.8	0.23	580	1.57	0.01
CC143333		0.88	39.4	3.04	3.74	0.08	0.07	1.27	0.033	0.10	10.1	14.3	0.39	648	2.83	0.01
CC143334		1.60	29.0	2.34	2.10	0.05	0.06	2.63	0.022	0.06	5.7	8.0	0.18	358	3.33	0.01
CC143335		1.96	29.2	2.71	3.14	0.06	0.06	1.61	0.028	0.07	6.0	10.9	0.31	688	2.11	0.01
DD015155		0.98	33.5	3.62	3.65	0.06	0.07	0.87	0.033	0.09	6.2	14.0	0.30	672	1.08	0.01
DD015156		1.01	24.8	3.51	4.05	0.06	0.06	1.17	0.032	0.09	6.1	11.1	0.26	591	0.97	0.01
DD015157		0.79	31.4	3.31	4.23	0.06	0.07	0.52	0.035	0.07	7.4	12.8	0.33	579	0.80	0.01
DD015158		2.01	34.2	3.91	3.36	0.07	0.08	0.58	0.033	0.09	8.3	8.0	0.52	1210	0.65	0.01
DD015159		1.12	22.1	3.28	3.47	0.06	0.07	1.21	0.034	0.08	8.8	12.8	1.61	1030	0.86	0.01
DD015160		0.84	30.9	3.43	3.63	0.07	0.07	0.76	0.034	0.09	7.8	11.5	0.39	1100	0.75	0.01
DD015161		1.25	24.1	2.36	3.01	<0.05	0.06	1.23	0.023	0.08	6.4	7.7	1.42	911	0.61	0.02
DD015162		1.10	23.3	2.89	3.38	0.06	0.06	1.30	0.024	0.07	7.9	10.1	0.78	908	0.67	0.02
DD015163		1.02	22.7	3.10	4.28	0.06	0.06	0.77	0.031	0.08	10.4	13.2	0.39	729	0.85	0.01
DD015164		5.12	16.6	2.89	4.95	0.06	0.05	8.09	0.032	0.06	8.5	10.8	0.37	920	0.84	0.01
DD015165		0.98	12.2	2.90	5.06	0.05	0.03	0.32	0.032	0.05	7.8	10.5	0.44	825	0.70	0.01
DD015166		1.56	9.8	2.99	2.06	<0.05	0.05	2.48	0.017	0.04	6.9	3.9	1.54	1530	0.47	0.01
DD015167		1.74	15.3	3.51	5.76	0.07	0.04	1.93	0.030	0.06	13.7	14.5	0.56	1380	1.00	0.01
DD015168		1.03	20.7	4.75	3.70	0.09	0.07	1.50	0.032	0.06	13.3	6.7	1.84	2190	0.80	0.02
DD015169		8.49	52.2	2.50	2.26	0.06	0.05	8.17	0.033	0.07	7.9	5.3	1.27	985	0.72	0.02
DD015170		16.85	30.2	2.09	2.83	0.05	0.08	0.45	0.022	0.10	7.3	11.1	0.29	449	0.55	0.02
DD015171		8.05	45.5	2.87	3.01	0.06	0.07	0.14	0.029	0.12	9.2	13.9	0.28	574	0.71	0.01
DD015172		5.93	38.9	2.81	4.42	0.06	0.13	0.29	0.035	0.13	10.2	20.2	0.38	511	0.75	0.01
DD015173		4.49	49.8	3.17	3.52	0.05	0.16	0.22	0.028	0.16	6.2	14.0	0.37	410	0.52	0.02
DD015174		2.88	45.3	3.21	3.36	0.05	0.08	0.16	0.025	0.13	9.6	16.0	0.46	554	0.67	0.02
DD015175		4.51	44.3	3.07	4.25	0.06	0.10	0.21	0.031	0.12	7.9	21.2	0.38	474	0.66	0.01
DD015176		5.09	63.5	3.44	3.94	0.07	0.11	0.33	0.037	0.11	8.7	18.2	0.22	240	0.77	0.01

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



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC143318		0.63	25.8	350	21.2	7.4	<0.001	0.02	0.62	4.1	0.6	0.5	15.1	<0.01	0.04	3.7
CC143319		0.54	21.2	650	22.1	14.7	<0.001	0.06	0.42	4.0	0.7	0.6	32.4	<0.01	0.04	1.7
CC143320		0.60	22.9	660	19.6	19.6	<0.001	0.05	0.38	4.8	0.9	0.6	23.1	<0.01	0.03	2.8
CC143321		0.52	35.0	540	24.0	9.1	0.001	0.02	0.54	6.2	0.8	0.7	18.1	<0.01	0.05	4.4
CC143322		1.04	23.0	180	24.9	17.6	<0.001	0.01	0.48	2.8	0.4	0.8	6.1	<0.01	0.05	3.0
CC143323		0.73	8.1	170	12.0	15.9	<0.001	0.01	0.38	2.2	0.2	0.8	5.9	<0.01	0.04	2.7
CC143324		0.61	25.4	540	20.2	14.5	0.001	0.06	0.22	5.2	1.1	0.6	25.4	<0.01	0.03	4.1
CC143325		0.44	14.5	250	17.7	13.3	<0.001	0.02	0.39	2.1	0.3	0.7	6.9	<0.01	0.04	1.5
CC143326		0.54	33.7	390	19.3	9.1	<0.001	0.02	0.59	5.5	0.8	0.7	23.3	<0.01	0.04	3.9
CC143327		0.53	28.1	540	19.4	8.7	<0.001	0.04	0.50	5.1	0.7	0.6	30.1	<0.01	0.04	2.2
CC143328		0.50	29.0	290	22.7	7.8	<0.001	0.03	0.48	4.5	0.7	0.6	26.1	<0.01	0.05	2.9
CC143329		0.49	30.4	520	20.3	8.8	0.001	0.04	0.69	5.0	0.9	0.6	38.9	<0.01	0.05	2.8
CC143330		0.45	39.1	520	23.2	11.3	<0.001	0.03	0.69	5.4	0.9	0.5	37.5	<0.01	0.05	3.3
CC143331		0.39	26.7	530	20.0	10.7	<0.001	0.03	0.45	5.3	0.9	0.4	41.5	<0.01	0.04	2.4
CC143332		0.40	37.1	290	27.7	16.7	<0.001	0.01	0.65	7.6	1.0	0.5	30.6	<0.01	0.05	4.0
CC143333		0.40	42.2	880	18.5	8.1	<0.001	0.05	1.47	4.9	1.8	0.5	48.3	<0.01	0.05	1.9
CC143334		0.26	25.8	640	19.6	6.1	<0.001	0.02	1.92	3.4	1.0	0.4	45.3	<0.01	0.05	2.4
CC143335		0.43	24.4	750	23.0	9.6	<0.001	0.07	1.11	3.4	1.2	0.4	61.3	<0.01	0.05	1.2
DD015155		0.45	28.1	260	32.1	8.9	<0.001	0.02	1.34	4.6	0.5	0.5	14.8	<0.01	0.03	3.7
DD015156		0.56	21.3	420	29.8	10.2	<0.001	0.02	0.94	3.8	0.5	0.5	15.7	<0.01	0.04	3.0
DD015157		0.44	24.2	640	27.5	9.2	<0.001	0.05	1.12	3.6	1.0	0.5	16.8	<0.01	0.05	1.5
DD015158		0.39	23.3	760	27.8	9.3	<0.001	0.06	1.52	4.7	0.9	0.5	14.7	<0.01	0.06	1.9
DD015159		0.40	20.3	590	47.6	11.5	<0.001	0.03	6.80	4.0	0.6	0.5	24.2	<0.01	0.04	2.6
DD015160		0.38	24.9	660	33.0	8.3	<0.001	0.05	1.25	3.7	0.7	0.5	16.7	<0.01	0.03	1.7
DD015161		0.40	16.5	1180	30.0	9.3	<0.001	0.11	2.40	2.0	0.9	0.4	32.2	0.01	0.03	0.6
DD015162		0.55	18.3	1100	204	9.3	<0.001	0.09	21.3	2.7	0.9	0.4	25.7	<0.01	0.03	1.0
DD015163		0.54	22.1	710	32.2	11.4	<0.001	0.05	1.38	3.5	0.7	0.5	15.8	<0.01	0.03	1.4
DD015164		0.70	16.4	1210	149.5	25.6	<0.001	0.09	16.20	2.6	0.9	0.5	32.4	<0.01	0.05	0.8
DD015165		0.63	14.4	480	38.7	12.3	<0.001	0.03	2.06	3.4	0.4	0.6	12.1	<0.01	0.04	1.3
DD015166		0.27	12.7	1120	105.5	4.1	<0.001	0.09	9.84	1.6	0.7	0.2	14.8	<0.01	0.03	0.6
DD015167		0.90	23.8	690	51.1	10.8	<0.001	0.04	5.95	3.4	0.7	0.6	17.1	<0.01	0.05	1.5
DD015168		0.48	21.3	1130	62.3	9.0	<0.001	0.06	16.95	3.7	0.9	0.5	23.1	0.01	0.09	1.4
DD015169		0.31	24.9	910	240	8.6	<0.001	0.09	8.72	2.7	1.0	0.4	35.7	<0.01	0.04	0.6
DD015170		0.52	17.6	700	21.7	21.5	<0.001	0.08	1.81	3.0	0.8	0.4	31.2	<0.01	0.03	1.3
DD015171		0.46	24.7	400	22.0	24.5	<0.001	0.03	0.43	4.3	0.6	0.5	28.9	<0.01	0.03	2.4
DD015172		0.56	25.0	900	19.6	23.2	<0.001	0.09	0.39	4.7	1.2	0.6	29.7	<0.01	0.03	2.0
DD015173		0.31	20.4	1130	14.9	20.1	<0.001	0.11	0.28	4.5	0.9	0.5	41.4	0.01	0.03	1.3
DD015174		0.44	18.2	870	18.9	14.8	<0.001	0.07	0.39	3.6	0.8	0.4	24.9	0.01	0.03	1.4
DD015175		0.47	22.9	610	22.2	20.3	<0.001	0.06	0.32	4.4	0.9	0.6	43.2	<0.01	0.03	2.3
DD015176		0.52	24.3	600	28.1	22.2	0.001	0.09	0.24	5.9	1.3	0.6	31.1	<0.01	0.03	3.2

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



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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143318		0.013	0.11	0.82	30	0.06	6.15	109	1.4
CC143319		0.006	0.13	1.00	27	0.13	10.25	94	1.3
CC143320		0.008	0.14	1.73	31	0.07	9.29	118	1.5
CC143321		0.007	0.18	1.22	33	0.06	12.60	119	1.1
CC143322		0.013	0.13	0.46	43	0.09	2.27	91	1.9
CC143323		0.021	0.11	0.52	29	0.15	2.60	34	<0.5
CC143324		0.008	0.11	1.70	26	0.07	8.89	118	2.0
CC143325		0.005	0.14	0.39	34	0.05	2.14	56	<0.5
CC143326		0.007	0.14	1.19	34	0.07	12.50	109	1.8
CC143327		0.007	0.13	1.53	34	0.08	7.97	101	1.3
CC143328		0.006	0.13	0.94	31	0.05	5.91	98	1.5
CC143329		0.005	0.13	1.34	31	0.07	10.95	110	1.9
CC143330		0.005	0.26	1.06	35	0.06	11.25	141	1.6
CC143331		0.006	0.11	1.14	31	0.07	8.58	101	1.4
CC143332		0.006	0.28	0.59	34	0.07	16.05	117	2.2
CC143333		0.005	0.27	1.16	61	0.10	16.10	170	1.6
CC143334		0.005	0.66	0.82	40	0.11	8.29	124	1.9
CC143335		0.005	0.44	1.76	40	0.09	9.65	114	1.4
DD015155		0.007	0.15	0.75	27	0.06	6.79	184	2.0
DD015156		0.008	0.17	0.87	31	0.08	5.05	210	1.4
DD015157		0.008	0.13	2.48	31	0.12	8.93	199	1.5
DD015158		0.006	0.29	0.75	24	0.09	12.15	472	1.7
DD015159		0.006	0.34	1.41	24	0.08	9.08	226	1.7
DD015160		0.006	0.16	1.02	27	0.08	9.54	469	1.5
DD015161		0.005	0.28	2.37	21	0.08	9.19	291	1.4
DD015162		0.011	0.25	1.69	28	0.10	8.62	281	1.4
DD015163		0.011	0.18	1.21	33	0.13	11.70	211	1.2
DD015164		0.016	0.65	1.84	37	0.31	7.51	529	1.1
DD015165		0.016	0.19	1.06	42	0.17	4.58	203	0.7
DD015166		0.011	0.54	1.78	22	0.09	8.49	674	1.1
DD015167		0.030	0.31	1.56	52	0.21	8.78	251	1.0
DD015168		0.010	0.33	1.90	31	0.14	15.90	488	1.6
DD015169		0.007	0.26	2.89	17	0.09	10.20	1280	1.1
DD015170		0.008	0.20	1.58	21	0.10	9.49	84	1.9
DD015171		0.010	0.13	1.12	22	0.09	11.40	62	1.5
DD015172		0.006	0.15	1.51	29	0.13	15.95	88	3.0
DD015173		<0.005	0.12	1.79	27	0.08	14.15	98	3.7
DD015174		0.013	0.10	1.51	34	0.11	15.75	97	1.6
DD015175		0.007	0.13	1.37	23	0.08	14.00	92	2.3
DD015176		<0.005	0.16	3.00	27	0.08	17.25	82	2.8





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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015177		0.15	0.008	0.18	1.21	19.8	<0.2	<10	330	1.25	0.27	0.88	0.58	16.20	10.6	16
DD015178		0.17	0.008	0.10	1.19	19.6	<0.2	<10	340	0.95	0.25	0.52	0.20	15.65	9.4	18
DD015179		0.16	0.005	0.14	1.46	15.3	<0.2	<10	430	0.97	0.24	0.84	0.23	19.10	7.5	22
DD015180		0.16	0.004	0.15	1.28	12.5	<0.2	<10	230	0.55	0.22	0.68	0.22	23.4	9.8	24
DD015181		0.20	0.009	0.08	0.98	14.0	<0.2	<10	250	0.74	0.20	0.89	0.17	10.15	7.3	15
DD015182		0.22	0.002	0.04	1.38	17.1	<0.2	<10	220	0.69	0.30	0.21	0.19	19.00	11.1	22
DD015183		0.16	0.002	0.05	1.46	17.9	<0.2	<10	240	0.87	0.30	0.27	0.11	23.4	11.3	25
DD015184		0.15	0.002	0.14	1.18	13.6	<0.2	<10	300	0.77	0.27	0.97	0.23	16.95	9.4	19
DD015185		0.17	0.004	0.13	1.27	16.7	<0.2	<10	240	0.75	0.28	0.71	0.22	19.60	8.6	22
DD015186		0.11	0.004	0.16	0.96	13.1	<0.2	<10	380	0.79	0.24	1.55	0.42	11.60	7.7	15
DD015187		0.15	0.004	0.12	1.44	13.8	<0.2	<10	340	0.82	0.26	0.64	0.18	23.0	11.5	23
DD015188		0.10	0.003	0.12	1.09	15.4	<0.2	<10	290	0.98	0.29	1.03	0.15	13.95	8.6	16
DD015189		0.08	0.009	0.13	1.20	13.5	<0.2	<10	290	0.84	0.25	1.36	0.23	13.70	8.2	18
DD015190		0.23	0.002	0.15	1.45	20.9	<0.2	<10	240	1.14	0.29	0.38	0.27	28.1	11.1	24
DD015191		0.10	0.007	0.14	1.41	13.9	<0.2	<10	290	1.02	0.28	1.04	0.20	18.85	11.1	22
DD015192		0.11	0.001	0.15	1.31	14.4	<0.2	<10	280	1.14	0.30	0.88	0.15	17.95	9.8	21
DD015193		0.08	0.002	0.12	1.15	13.5	<0.2	<10	250	0.81	0.24	1.13	0.25	14.15	10.1	17
DD015194		0.11	0.003	0.14	1.27	9.1	<0.2	<10	290	1.01	0.22	1.02	0.12	17.15	7.9	18
DD015195		0.08	<0.001	0.08	1.16	12.7	<0.2	<10	230	0.74	0.25	1.07	0.20	16.05	9.7	19
DD015196		0.17	0.004	0.16	1.15	25.9	<0.2	<10	300	0.96	0.27	1.08	0.43	21.0	14.0	19
DD015197		0.23	0.002	0.15	1.14	14.4	<0.2	<10	330	1.05	0.29	0.89	1.98	21.6	9.8	19
DD015198		0.17	0.002	0.05	1.08	18.7	<0.2	<10	170	0.64	0.29	0.23	0.21	16.50	11.4	19
DD015199		0.18	0.001	0.05	0.92	29.4	<0.2	<10	90	0.85	0.42	0.05	0.17	16.65	15.3	14
DD015200		0.15	0.001	0.05	0.90	20.8	<0.2	<10	130	0.43	0.27	0.34	0.16	14.30	7.5	16
CC143251		0.18	0.002	0.13	1.35	17.0	<0.2	<10	420	1.09	0.31	0.64	0.34	16.95	14.0	21
CC143252		0.12	0.003	0.19	1.46	12.0	<0.2	<10	300	0.62	0.22	0.74	0.16	28.4	11.2	23
CC143253		0.14	0.001	0.16	1.38	15.6	<0.2	<10	230	0.72	0.24	0.71	0.46	23.4	13.9	25
CC143254		0.15	0.002	0.13	1.17	17.6	<0.2	<10	260	0.96	0.26	1.15	0.24	14.40	10.8	19
CC143255		0.21	0.006	0.14	1.31	17.8	<0.2	<10	330	1.18	0.35	1.08	0.29	11.35	19.4	20
CC143256		0.09	0.008	0.19	1.28	13.0	<0.2	10	580	0.94	0.22	1.94	2.34	21.6	39.9	21
CC143257		0.16	0.001	0.07	0.54	47.6	<0.2	<10	80	0.36	0.33	0.22	0.19	14.20	7.0	12
CC143258		0.17	0.002	0.11	1.11	44.3	<0.2	<10	170	0.86	0.28	1.83	0.28	17.55	13.4	18
CC143259		0.14	0.003	0.12	1.14	27.2	<0.2	<10	230	0.83	0.24	1.55	0.34	14.50	11.6	18
CC143260		0.18	0.002	0.14	0.99	29.8	<0.2	10	220	0.78	0.22	1.62	0.50	16.00	7.9	16
CC143261		0.08	0.003	0.21	1.14	21.9	<0.2	10	330	0.73	0.23	1.86	0.77	14.85	10.9	18
CC143262		0.28	0.003	0.25	1.21	34.5	<0.2	<10	410	0.88	0.25	0.85	0.96	21.0	12.5	21
CC143263		0.08	0.007	0.08	0.90	24.7	<0.2	<10	250	0.79	0.30	1.34	0.58	19.50	14.5	13
CC143264		0.12	0.004	0.16	1.26	16.3	<0.2	<10	340	0.75	0.24	1.24	0.59	21.8	10.8	19
CC143265		0.19	0.015	0.16	1.14	31.7	<0.2	<10	350	0.95	0.27	1.33	0.65	17.35	11.6	17
CC143266		0.11	0.004	0.08	1.38	22.1	<0.2	<10	300	1.00	0.35	0.55	0.42	17.00	13.7	21

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015177		5.09	44.8	3.38	3.56	0.07	0.11	0.30	0.030	0.10	8.5	17.4	0.25	633	0.65	0.01
DD015178		0.96	28.1	3.64	3.95	0.06	0.11	0.25	0.035	0.10	7.6	18.2	0.24	1020	0.84	0.01
DD015179		1.08	37.9	3.27	4.44	0.06	0.10	0.22	0.032	0.10	9.7	21.4	0.31	287	0.79	0.01
DD015180		0.89	18.2	2.86	4.17	0.07	0.06	0.14	0.028	0.07	11.2	22.5	0.48	466	0.65	0.01
DD015181		2.16	24.3	2.84	2.47	0.05	0.07	0.21	0.026	0.13	5.2	11.1	0.28	482	0.56	0.01
DD015182		1.05	30.0	3.43	5.34	0.06	0.03	0.12	0.034	0.08	9.3	17.8	0.30	487	1.23	0.01
DD015183		1.08	28.9	3.34	5.03	0.06	0.04	0.10	0.033	0.06	10.9	20.7	0.42	560	1.24	0.01
DD015184		1.31	26.0	3.13	3.89	0.06	0.06	0.17	0.035	0.10	8.8	16.2	0.35	519	0.82	0.01
DD015185		1.46	31.1	3.02	4.28	0.07	0.07	0.16	0.033	0.11	9.8	17.7	0.40	390	1.05	0.01
DD015186		1.12	28.2	2.60	3.01	0.06	0.07	0.22	0.026	0.10	5.9	10.7	0.30	303	1.19	0.01
DD015187		1.26	24.8	2.90	4.65	0.06	0.07	0.16	0.029	0.08	9.6	20.4	0.36	657	0.98	0.01
DD015188		1.32	29.1	2.85	3.52	0.06	0.09	0.22	0.029	0.12	7.0	13.3	0.29	358	0.65	0.01
DD015189		1.49	27.7	2.68	3.68	0.05	0.07	0.19	0.028	0.11	6.3	15.9	0.37	368	0.68	0.01
DD015190		2.09	41.3	3.50	4.55	0.08	0.06	0.22	0.035	0.10	11.1	34.9	0.36	519	1.24	0.01
DD015191		1.73	43.9	2.82	4.49	0.07	0.08	0.16	0.030	0.10	8.9	20.3	0.40	552	0.85	0.01
DD015192		1.87	37.4	2.92	4.32	0.07	0.08	0.19	0.031	0.10	8.1	18.0	0.36	422	0.91	0.01
DD015193		1.18	28.4	2.66	3.68	0.05	0.07	0.20	0.028	0.10	6.0	14.0	0.34	527	0.93	0.01
DD015194		1.92	26.6	2.75	3.10	0.06	0.07	0.16	0.025	0.10	7.1	11.1	0.29	585	0.69	0.01
DD015195		1.65	18.6	2.73	3.82	0.06	0.07	0.18	0.031	0.09	7.1	19.3	0.37	432	0.72	0.01
DD015196		2.87	34.6	3.03	3.80	0.06	0.07	0.33	0.033	0.10	7.7	16.8	0.35	786	1.00	0.01
DD015197		2.73	35.9	2.86	3.65	0.07	0.09	0.29	0.033	0.13	9.3	15.8	0.27	357	0.77	0.01
DD015198		0.86	24.1	3.24	4.19	0.06	0.03	0.53	0.031	0.07	6.3	13.6	0.26	434	1.49	0.01
DD015199		1.98	28.5	3.78	2.91	0.06	0.03	0.13	0.033	0.09	6.7	13.7	0.18	440	1.14	<0.01
DD015200		1.53	20.5	2.65	4.27	0.05	0.02	0.19	0.026	0.07	6.0	8.5	0.18	261	1.96	0.01
CC143251		0.84	35.6	3.74	4.38	0.07	0.09	0.26	0.039	0.10	7.0	16.4	0.33	616	1.53	0.01
CC143252		0.84	16.4	2.83	4.97	0.06	0.06	0.25	0.028	0.05	12.1	23.9	0.42	309	1.03	0.01
CC143253		0.89	20.4	3.17	4.60	0.07	0.09	0.23	0.032	0.08	9.7	21.4	0.44	399	1.18	0.01
CC143254		1.83	31.2	3.10	3.92	0.07	0.08	0.21	0.034	0.08	7.2	15.7	0.32	381	1.47	0.01
CC143255		5.84	57.2	3.85	4.14	0.07	0.07	0.28	0.038	0.08	4.7	27.4	0.43	747	2.97	0.01
CC143256		6.60	37.4	3.21	4.42	0.09	0.12	0.61	0.034	0.09	9.3	18.0	0.25	3240	2.19	0.01
CC143257		5.60	20.8	3.15	3.32	0.05	0.02	0.54	0.030	0.06	6.1	4.8	0.08	227	1.91	<0.01
CC143258		2.95	31.2	3.35	3.78	0.07	0.08	1.09	0.034	0.09	6.7	14.8	0.80	626	0.95	0.01
CC143259		2.87	27.8	2.99	3.70	0.07	0.07	0.55	0.032	0.09	6.3	14.8	0.34	467	1.06	0.01
CC143260		10.65	25.1	2.63	3.12	0.07	0.08	1.02	0.031	0.09	6.7	13.9	0.32	202	1.13	0.01
CC143261		3.33	27.5	2.63	3.59	0.06	0.08	0.48	0.034	0.11	6.6	15.1	0.34	423	1.86	0.01
CC143262		1.81	34.9	3.68	3.89	0.08	0.09	0.57	0.036	0.13	9.0	14.6	0.43	784	3.54	0.01
CC143263		3.33	24.7	2.75	2.86	0.06	0.07	0.62	0.032	0.10	8.3	9.3	0.25	620	0.77	0.02
CC143264		3.57	23.0	2.87	3.70	0.06	0.05	0.57	0.030	0.07	9.1	13.0	0.36	905	0.81	0.01
CC143265		5.80	30.2	2.82	3.47	0.06	0.07	0.99	0.031	0.08	8.0	11.0	0.33	590	0.99	0.01
CC143266		0.69	25.6	3.94	4.75	0.06	0.08	1.02	0.038	0.08	5.6	18.1	0.39	588	0.98	0.01

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



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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015177		0.48	21.1	750	20.8	20.7	<0.001	0.12	0.31	4.7	1.3	0.5	46.0	0.01	0.03	2.4
DD015178		0.35	20.9	760	24.9	13.6	<0.001	0.06	0.30	4.7	0.9	0.5	31.4	<0.01	0.03	2.4
DD015179		0.58	22.7	1010	19.0	13.2	<0.001	0.13	0.37	3.7	1.0	0.5	41.1	<0.01	0.03	1.6
DD015180		0.95	23.8	400	15.2	10.4	<0.001	0.03	0.47	3.8	0.7	0.5	31.6	<0.01	0.02	3.0
DD015181		0.33	16.2	580	14.4	16.1	<0.001	0.07	0.30	3.3	0.8	0.4	35.9	<0.01	0.03	1.7
DD015182		0.66	22.3	400	22.9	11.7	<0.001	0.01	0.43	3.5	0.5	0.6	13.3	<0.01	0.04	3.1
DD015183		0.65	27.5	440	24.2	10.0	<0.001	0.01	0.50	3.6	0.7	0.6	16.3	<0.01	0.03	2.7
DD015184		0.55	19.3	750	18.3	17.8	<0.001	0.07	0.39	3.2	0.8	0.5	40.5	<0.01	0.03	1.4
DD015185		0.60	24.7	710	21.8	19.2	<0.001	0.05	0.56	3.8	0.8	0.5	31.1	<0.01	0.03	1.9
DD015186		0.46	22.8	720	17.4	13.8	<0.001	0.08	0.68	2.9	1.3	0.4	47.4	<0.01	0.02	1.1
DD015187		0.76	23.4	610	20.2	11.9	<0.001	0.04	0.41	3.9	0.6	0.5	28.8	<0.01	0.03	2.1
DD015188		0.51	19.7	580	19.4	15.4	<0.001	0.06	0.36	3.8	0.9	0.5	40.2	<0.01	0.03	1.7
DD015189		0.60	17.7	750	19.2	16.7	<0.001	0.08	0.42	3.1	0.8	0.5	46.7	<0.01	0.03	1.1
DD015190		0.70	32.1	450	31.2	14.6	<0.001	0.02	0.55	5.6	0.9	0.6	26.7	<0.01	0.04	3.0
DD015191		0.72	21.3	800	24.4	17.8	<0.001	0.06	0.43	3.7	0.9	0.5	40.6	<0.01	0.03	1.6
DD015192		0.65	20.7	720	24.3	16.6	<0.001	0.06	0.39	4.0	0.9	0.5	36.1	<0.01	0.03	1.6
DD015193		0.58	19.9	600	21.0	13.2	<0.001	0.06	0.54	3.8	0.7	0.5	48.6	<0.01	0.03	1.7
DD015194		0.45	17.9	810	19.9	11.4	<0.001	0.07	0.34	3.2	0.7	0.4	39.2	<0.01	0.02	1.7
DD015195		0.63	17.4	640	19.6	15.9	<0.001	0.06	0.35	3.4	0.7	0.5	59.2	<0.01	0.03	1.5
DD015196		0.54	33.2	660	25.6	14.3	<0.001	0.07	0.66	4.0	1.3	0.5	54.0	<0.01	0.04	1.5
DD015197		0.65	24.8	790	22.6	17.4	<0.001	0.08	0.43	5.6	1.5	0.5	35.4	<0.01	0.02	3.7
DD015198		0.68	24.7	350	24.5	9.7	<0.001	0.01	0.47	3.4	0.7	0.5	12.6	<0.01	0.03	2.9
DD015199		0.41	26.0	240	47.4	11.1	<0.001	0.01	0.58	2.9	0.4	0.5	8.4	<0.01	0.03	3.8
DD015200		0.54	18.5	360	20.4	12.2	<0.001	0.01	0.54	2.6	0.5	0.5	16.4	<0.01	0.04	2.1
CC143251		0.61	35.1	580	23.6	10.0	<0.001	0.02	0.49	5.7	1.1	0.6	23.6	<0.01	0.03	4.0
CC143252		0.93	22.1	630	17.8	8.0	<0.001	0.03	0.40	3.4	0.9	0.5	29.0	<0.01	0.02	2.2
CC143253		0.73	28.6	490	20.6	10.2	<0.001	0.03	0.45	4.8	0.9	0.5	26.1	<0.01	0.03	3.1
CC143254		0.48	33.5	440	19.7	9.6	<0.001	0.04	0.59	4.9	1.3	0.5	36.6	<0.01	0.04	2.3
CC143255		0.50	40.5	510	23.7	13.2	0.001	0.04	0.78	5.6	1.5	0.6	45.3	<0.01	0.07	2.0
CC143256		0.60	38.8	2920	19.5	12.1	0.001	0.25	0.80	5.3	4.3	0.5	281	0.01	0.04	1.6
CC143257		0.71	19.3	250	32.0	12.9	<0.001	0.01	0.64	2.5	0.6	0.5	15.1	<0.01	0.05	2.2
CC143258		0.85	31.1	610	31.1	9.6	<0.001	0.04	0.50	5.2	0.9	0.5	50.5	<0.01	0.03	3.3
CC143259		0.80	28.0	630	24.6	10.7	<0.001	0.06	0.55	4.2	1.1	0.5	56.6	<0.01	0.03	2.0
CC143260		0.53	26.5	660	25.4	19.5	0.002	0.09	0.73	3.9	2.3	0.4	74.3	<0.01	0.03	1.5
CC143261		0.49	34.1	740	17.7	15.3	0.002	0.11	1.05	4.0	1.8	0.5	77.8	<0.01	0.04	1.7
CC143262		0.48	41.3	960	22.1	12.7	<0.001	0.02	1.43	5.4	1.2	0.5	34.6	<0.01	0.05	4.5
CC143263		0.48	22.9	590	41.7	9.8	<0.001	0.06	2.41	4.1	0.7	0.5	23.8	<0.01	0.05	1.5
CC143264		0.61	20.3	870	33.2	13.9	<0.001	0.06	0.82	2.8	0.8	0.4	24.9	<0.01	0.03	1.0
CC143265		0.58	25.6	690	46.3	13.1	<0.001	0.07	1.97	4.1	0.9	0.5	24.5	<0.01	0.04	1.3
CC143266		0.56	27.4	300	36.2	8.9	<0.001	0.02	1.15	4.4	0.5	0.6	15.2	<0.01	0.03	3.6

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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015177		0.005	0.14	2.26	25	0.07	15.95	97	2.7
DD015178		<0.005	0.11	1.28	24	0.06	11.45	102	2.3
DD015179		0.008	0.13	1.64	31	0.08	11.20	76	2.3
DD015180		0.031	0.10	1.33	35	0.12	7.28	101	1.4
DD015181		0.005	0.10	1.23	23	0.05	7.06	114	1.7
DD015182		0.011	0.13	0.80	39	0.12	5.99	93	0.5
DD015183		0.014	0.12	1.08	36	0.14	7.59	92	1.0
DD015184		0.011	0.11	1.30	30	0.10	8.54	89	1.3
DD015185		0.014	0.12	1.28	34	0.09	9.94	124	1.6
DD015186		0.005	0.11	1.31	29	0.08	9.66	110	1.5
DD015187		0.013	0.13	1.12	35	0.22	9.53	79	1.4
DD015188		0.006	0.11	1.17	23	0.07	10.25	87	1.7
DD015189		0.008	0.11	1.10	26	0.08	8.59	113	1.6
DD015190		0.012	0.16	1.20	37	0.12	15.40	111	1.0
DD015191		0.012	0.12	1.54	31	0.16	11.80	90	1.7
DD015192		0.009	0.13	1.36	31	0.11	11.95	86	1.5
DD015193		0.006	0.12	1.03	27	0.08	8.35	95	1.6
DD015194		0.006	0.10	0.84	26	0.08	13.60	72	1.1
DD015195		0.008	0.10	1.12	31	0.09	7.52	102	1.5
DD015196		0.007	0.16	1.10	30	0.12	11.05	107	1.4
DD015197		0.008	0.14	2.64	27	0.12	12.30	131	2.1
DD015198		0.009	0.09	0.76	31	0.09	5.11	88	0.6
DD015199		0.005	0.15	0.52	21	0.05	3.71	85	0.8
DD015200		0.007	0.15	0.58	40	0.10	3.80	83	<0.5
CC143251		0.006	0.11	1.32	31	0.07	10.25	115	2.1
CC143252		0.022	0.10	2.94	42	0.19	8.43	77	1.2
CC143253		0.013	0.11	0.85	38	0.11	9.89	117	1.9
CC143254		<0.005	0.15	4.55	30	0.07	12.70	98	1.7
CC143255		0.007	0.24	4.49	29	0.06	13.25	114	1.2
CC143256		0.012	0.24	12.45	55	0.10	15.05	170	2.6
CC143257		0.013	0.74	0.51	33	0.11	3.73	99	0.6
CC143258		0.007	0.34	1.23	23	0.09	10.70	119	1.9
CC143259		0.007	0.30	1.72	26	0.07	9.49	116	1.7
CC143260		0.005	0.48	1.76	28	0.07	10.75	123	1.7
CC143261		0.005	0.66	1.42	40	0.07	10.55	145	1.9
CC143262		0.005	0.30	1.23	50	0.07	13.90	174	2.7
CC143263		0.007	0.18	0.84	20	0.07	10.00	209	1.5
CC143264		0.013	0.12	1.60	32	0.17	9.59	156	1.0
CC143265		0.008	0.26	1.74	28	0.09	11.30	312	1.4
CC143266		0.007	0.11	0.82	30	0.06	4.99	279	1.9



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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143267		0.12	0.004	0.13	1.17	60.6	<0.2	<10	230	0.69	0.21	4.55	1.22	21.2	9.0	16
CC143268		0.12	0.002	0.04	1.47	18.3	<0.2	<10	140	0.48	0.29	0.20	0.84	21.8	8.3	19
CC143269		0.17	0.004	0.11	1.33	60.4	<0.2	<10	230	0.53	0.28	1.47	7.02	18.60	12.7	18
CC143270		0.08	0.003	0.18	1.50	65.6	<0.2	<10	210	0.58	0.22	4.31	8.75	37.1	10.5	21
CC143271		0.12	0.002	0.11	0.60	69.9	<0.2	<10	270	0.44	0.21	9.00	4.22	17.85	12.0	9
CC143272		0.10	0.005	0.23	1.03	103.0	<0.2	<10	550	0.72	0.30	1.51	2.34	14.60	12.5	17
CC143273		0.10	0.003	0.16	0.85	69.5	<0.2	<10	660	0.59	0.21	4.00	3.20	11.10	8.9	12
CC143274		0.13	0.004	0.16	0.89	23.2	<0.2	<10	600	0.87	0.31	1.42	0.55	11.10	12.4	12
CC143275		0.11	0.005	0.46	1.78	21.2	<0.2	<10	690	1.78	0.34	1.42	1.03	17.25	18.3	21
CC143276		0.12	0.001	0.12	1.38	8.6	<0.2	<10	80	0.20	0.26	0.05	0.08	20.2	3.7	17
CC143277		0.18	<0.001	0.08	0.58	11.5	<0.2	<10	30	0.08	0.21	0.01	0.15	15.70	2.3	7
CC143278		0.13	0.002	0.23	1.43	17.4	<0.2	<10	130	0.40	0.34	0.22	0.37	17.00	8.2	24
CC143279		0.13	<0.001	0.08	1.29	21.0	<0.2	<10	130	0.39	0.32	0.03	0.12	14.45	6.8	18
CC143280		0.13	0.003	0.08	1.24	11.2	<0.2	<10	260	1.10	0.35	0.53	0.23	13.15	11.3	21
CC143281		0.33	0.002	0.05	1.54	25.0	<0.2	<10	170	1.20	0.37	0.18	0.30	18.85	18.4	24
CC143282		0.20	0.001	0.04	1.89	18.1	<0.2	<10	120	0.65	0.29	0.08	0.18	21.1	8.8	26
CC143283		0.17	0.001	0.04	1.78	27.1	<0.2	<10	110	0.68	0.34	0.03	0.23	12.60	12.6	25
CC143284		0.12	0.002	0.03	2.04	37.2	<0.2	<10	140	0.58	0.26	0.09	0.28	25.7	9.0	28
CC143285		0.14	0.001	0.07	1.58	24.5	<0.2	<10	150	0.53	0.30	0.08	0.20	14.65	8.5	23
CC143286		0.19	0.001	0.08	1.31	18.0	<0.2	<10	260	0.77	0.30	0.28	0.24	14.15	11.3	21
CC143287		0.16	0.009	0.28	1.43	71.8	<0.2	<10	340	1.07	0.29	0.67	1.39	21.5	14.4	23
CC143288		0.23	0.003	0.19	1.05	28.3	<0.2	<10	330	0.94	0.29	0.76	0.81	17.60	17.5	19
CC143289		0.16	0.003	0.14	1.16	17.9	<0.2	<10	330	0.79	0.27	0.94	0.32	15.60	9.7	20
CC143290		0.22	0.002	0.18	1.18	24.0	<0.2	<10	370	0.91	0.30	1.25	0.74	15.00	13.8	20
CC143291		0.17	0.006	0.21	1.14	24.2	<0.2	<10	430	0.88	0.27	1.50	0.59	11.80	10.3	19
CC143292		0.20	0.003	0.18	1.55	13.4	<0.2	<10	260	1.06	0.31	0.28	0.22	31.1	14.9	24
CC143293		0.15	0.002	0.06	1.14	10.6	<0.2	<10	170	0.56	0.24	0.14	0.15	18.30	5.7	18
CC143294		0.17	0.002	0.09	0.99	17.2	<0.2	<10	170	0.73	0.26	0.19	0.25	19.30	10.4	19
CC143295		0.14	0.001	0.13	0.96	11.8	<0.2	<10	370	0.68	0.19	2.00	0.34	12.75	8.7	15
CC143296		0.15	0.003	0.24	1.56	19.9	<0.2	<10	310	1.04	0.29	0.50	0.33	23.0	14.3	23
CC143297		0.26	0.002	0.12	1.30	16.2	<0.2	<10	250	0.86	0.28	0.36	0.50	21.3	18.3	22
CC143298		0.16	0.007	0.50	1.28	28.5	<0.2	<10	540	1.55	0.32	1.37	0.28	15.05	10.0	17
CC143299		0.18	0.003	0.52	1.29	18.1	<0.2	<10	480	0.89	0.26	1.21	1.90	21.3	11.8	25
CC143300		0.16	0.003	0.21	1.06	15.5	<0.2	<10	330	0.97	0.25	1.88	0.31	11.80	10.6	15

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
CC143267		1.19	16.4	2.94	3.69	0.06	0.06	2.63	0.025	0.06	10.1	9.1	2.20	1240	0.76	0.02
CC143268		1.14	9.8	3.30	6.22	0.06	0.04	3.12	0.032	0.05	9.1	13.7	0.21	329	1.08	0.01
CC143269		1.19	13.8	2.76	5.61	0.05	0.05	23.9	0.031	0.06	7.7	8.8	0.54	1200	0.84	0.01
CC143270		1.25	16.3	4.80	5.14	0.10	0.07	5.93	0.048	0.04	17.7	7.3	2.00	3540	1.02	0.02
CC143271		2.95	18.5	2.95	2.37	0.06	0.07	20.5	0.022	0.06	9.4	4.0	5.24	827	0.49	0.02
CC143272		5.21	36.0	3.56	3.21	0.07	0.07	10.55	0.029	0.07	8.1	6.9	0.37	1220	0.70	0.01
CC143273		4.65	25.6	2.27	2.72	0.05	0.06	8.49	0.025	0.07	6.5	5.6	1.68	601	0.52	0.02
CC143274		2.39	28.4	2.67	2.54	<0.05	0.05	1.44	0.029	0.07	5.9	5.5	0.29	500	0.75	0.01
CC143275		5.64	70.3	3.04	5.08	0.07	0.12	0.88	0.033	0.08	8.8	14.5	0.40	2350	0.85	0.02
CC143276		1.22	5.6	2.75	6.82	0.05	0.03	0.02	0.018	0.03	10.7	13.5	0.18	215	1.27	0.01
CC143277		0.89	8.9	1.61	4.56	<0.05	<0.02	0.02	0.011	0.03	7.4	1.8	0.04	97	3.80	<0.01
CC143278		1.24	11.2	4.51	8.20	0.06	<0.02	0.05	0.035	0.05	8.4	23.7	0.25	448	2.00	0.01
CC143279		1.24	12.8	3.48	6.10	<0.05	0.02	0.05	0.026	0.05	6.6	13.4	0.19	534	0.97	0.01
CC143280		6.60	27.2	3.25	3.66	0.07	0.07	0.08	0.030	0.08	6.8	18.5	0.37	479	0.85	0.01
CC143281		1.34	39.5	4.14	4.88	0.06	0.05	0.22	0.044	0.07	7.0	22.0	0.34	810	1.22	0.01
CC143282		1.68	14.9	3.70	6.48	0.06	0.03	0.10	0.034	0.06	9.5	24.1	0.34	360	1.30	0.01
CC143283		1.57	23.8	4.59	5.34	0.06	0.05	0.26	0.045	0.05	5.2	23.7	0.29	605	1.23	0.01
CC143284		1.23	10.0	3.25	6.03	0.05	0.04	0.10	0.031	0.04	11.0	21.3	0.36	477	1.60	0.01
CC143285		1.28	22.2	3.87	5.70	0.05	0.02	0.32	0.030	0.06	6.6	14.9	0.26	400	1.47	0.01
CC143286		0.78	25.3	3.63	4.82	0.05	0.02	0.20	0.034	0.07	6.5	19.4	0.30	535	1.29	0.01
CC143287		1.48	37.8	3.88	3.87	0.07	0.06	0.30	0.037	0.13	10.4	17.4	0.39	978	2.18	0.01
CC143288		1.03	32.3	3.53	3.51	0.07	0.06	0.25	0.034	0.09	7.4	15.0	0.39	917	2.00	0.01
CC143289		0.67	27.5	3.18	3.68	0.06	0.04	0.17	0.030	0.07	7.4	14.6	0.32	523	1.05	0.01
CC143290		0.83	35.1	3.38	3.84	0.06	0.08	0.27	0.037	0.09	7.7	14.8	0.36	558	1.96	0.01
CC143291		0.81	29.0	3.15	3.62	0.05	0.06	0.28	0.035	0.09	5.9	12.4	0.32	407	1.89	0.01
CC143292		1.94	23.7	3.71	4.62	0.09	0.04	0.09	0.036	0.10	13.9	30.7	0.35	855	0.97	0.01
CC143293		1.75	13.7	2.26	5.18	0.06	<0.02	0.04	0.024	0.07	8.9	9.7	0.17	239	1.10	0.01
CC143294		1.34	31.8	3.47	3.57	0.08	0.05	0.28	0.034	0.08	8.4	17.3	0.31	479	1.06	0.01
CC143295		0.73	25.4	2.53	3.03	0.05	0.05	0.20	0.023	0.07	6.2	11.3	0.32	467	0.75	0.01
CC143296		2.96	27.1	3.72	4.91	0.07	0.03	0.23	0.038	0.09	11.6	27.1	0.30	742	1.32	0.01
CC143297		0.95	33.2	3.85	4.15	0.06	0.02	0.19	0.036	0.08	8.9	19.2	0.33	991	1.61	0.01
CC143298		9.18	39.0	2.84	3.18	0.08	0.12	0.43	0.032	0.15	9.8	12.0	0.28	702	1.50	0.01
CC143299		1.18	35.8	2.47	3.78	0.07	0.07	0.26	0.034	0.10	10.7	16.2	0.35	410	1.90	0.01
CC143300		1.96	34.1	2.90	2.99	0.05	0.07	0.20	0.026	0.13	5.8	14.6	0.38	737	0.76	0.01

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



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**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143267		0.59	18.5	890	78.2	8.2	<0.001	0.07	5.98	2.8	0.8	0.4	26.1	<0.01	0.04	0.9
CC143268		0.94	13.8	140	49.6	13.8	<0.001	0.01	1.33	2.7	0.3	0.8	8.8	<0.01	0.03	3.4
CC143269		0.79	13.7	570	147.5	9.9	<0.001	0.05	7.36	3.0	0.7	0.7	18.3	<0.01	0.04	1.3
CC143270		0.59	20.9	2060	182.0	8.4	<0.001	0.08	5.87	2.9	1.3	0.6	29.6	0.01	0.07	0.9
CC143271		0.35	21.3	820	248	5.8	<0.001	0.06	13.05	3.9	0.8	0.5	48.6	<0.01	0.05	1.5
CC143272		0.36	21.2	940	1060	9.6	0.001	0.09	27.8	4.7	1.4	0.6	21.8	<0.01	0.06	1.1
CC143273		0.31	18.5	1010	446	8.4	0.001	0.11	11.00	3.0	1.1	0.5	32.2	<0.01	0.06	0.7
CC143274		0.29	18.6	670	122.0	8.8	<0.001	0.07	3.80	2.7	0.9	0.5	18.3	<0.01	0.04	0.6
CC143275		0.38	23.9	1710	34.6	23.0	0.001	0.13	1.98	3.8	2.6	0.6	27.6	0.01	0.05	1.2
CC143276		1.34	7.7	140	14.0	9.9	0.001	<0.01	0.32	1.7	0.3	0.8	6.2	<0.01	0.03	2.9
CC143277		0.48	7.5	210	7.8	8.0	0.001	<0.01	1.53	0.8	0.6	0.6	3.5	<0.01	0.03	0.8
CC143278		1.63	16.6	420	21.9	11.5	<0.001	0.01	0.68	2.1	0.4	0.9	11.6	<0.01	0.09	1.9
CC143279		0.76	13.8	210	21.5	14.8	<0.001	<0.01	0.44	2.3	0.3	0.7	6.7	<0.01	0.04	2.5
CC143280		0.42	21.9	620	20.0	15.5	0.001	0.03	0.47	4.6	1.0	0.5	21.3	<0.01	0.04	1.7
CC143281		0.39	34.4	340	31.3	11.9	0.001	<0.01	0.51	5.0	1.0	0.7	13.3	<0.01	0.05	4.1
CC143282		1.03	19.7	270	21.8	15.3	<0.001	<0.01	0.41	3.0	0.6	0.8	8.4	<0.01	0.06	3.1
CC143283		0.58	25.4	240	31.7	16.1	<0.001	<0.01	0.47	3.4	0.7	0.7	7.3	<0.01	0.05	3.2
CC143284		1.37	19.7	360	17.5	11.7	<0.001	0.01	0.69	2.7	0.6	0.7	9.1	0.01	0.05	3.6
CC143285		0.62	21.4	450	25.9	12.9	<0.001	<0.01	0.57	3.0	0.9	0.7	8.0	<0.01	0.03	2.1
CC143286		0.43	23.8	510	22.7	10.0	<0.001	0.01	0.47	3.8	1.0	0.6	13.6	<0.01	0.05	3.1
CC143287		0.37	41.4	670	26.3	9.6	0.001	0.02	0.91	6.3	1.3	0.5	27.3	<0.01	0.05	4.8
CC143288		0.36	35.3	610	27.9	8.2	0.001	0.02	2.47	5.3	1.6	0.5	23.3	<0.01	0.06	4.0
CC143289		0.44	23.6	510	21.8	7.6	<0.001	0.03	0.46	3.8	1.2	0.5	30.6	<0.01	0.02	2.0
CC143290		0.39	33.9	520	23.9	7.8	0.001	0.03	0.81	4.5	1.2	0.5	32.8	<0.01	0.05	2.6
CC143291		0.33	29.7	530	19.8	8.3	0.001	0.04	0.75	3.8	1.2	0.5	38.2	<0.01	0.03	1.9
CC143292		0.57	26.8	640	21.9	18.3	<0.001	0.01	0.42	4.9	1.2	0.6	21.0	<0.01	0.04	3.8
CC143293		0.54	12.1	460	18.2	13.8	<0.001	<0.01	0.30	2.0	0.5	0.7	12.6	<0.01	0.04	1.9
CC143294		0.39	27.1	560	19.9	9.0	0.001	<0.01	0.61	4.9	1.1	0.5	16.9	<0.01	0.03	5.3
CC143295		0.38	20.6	620	15.5	10.3	<0.001	0.07	0.44	2.7	1.3	0.4	59.1	<0.01	0.03	1.0
CC143296		0.55	28.0	590	28.6	16.7	0.001	0.01	0.44	5.2	1.4	0.7	27.9	<0.01	0.05	2.8
CC143297		0.56	38.3	820	27.9	8.3	0.001	<0.01	0.55	4.5	1.2	0.5	21.1	<0.01	0.05	3.5
CC143298		0.31	33.0	620	23.8	20.2	0.001	0.05	0.69	6.6	1.8	0.6	59.1	<0.01	0.05	3.1
CC143299		0.62	41.4	850	19.5	12.4	0.002	0.08	1.28	4.7	2.6	0.6	47.3	<0.01	0.06	2.6
CC143300		0.33	21.4	650	17.3	16.1	<0.001	0.08	0.49	3.5	1.1	0.5	100.5	<0.01	0.03	1.7



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152425**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143267		0.011	0.37	1.77	28	0.15	12.30	607	1.1
CC143268		0.011	0.17	0.52	48	0.11	3.02	426	1.3
CC143269		0.015	0.22	1.21	41	0.16	4.92	2490	1.0
CC143270		0.020	0.28	3.53	39	0.19	21.6	2650	1.0
CC143271		0.007	0.49	0.92	15	0.13	13.15	2770	1.4
CC143272		0.011	0.62	3.54	26	0.13	15.40	822	1.5
CC143273		0.007	0.55	2.43	19	0.13	10.55	1460	1.5
CC143274		0.006	0.25	2.37	19	0.08	8.53	241	1.1
CC143275		0.007	0.25	5.70	29	0.09	15.85	155	3.0
CC143276		0.026	0.13	0.40	55	0.20	1.90	45	0.9
CC143277		0.018	0.14	0.27	49	0.12	1.34	50	<0.5
CC143278		0.036	0.10	0.53	74	0.29	2.43	94	<0.5
CC143279		0.012	0.12	0.42	41	0.11	2.77	58	0.5
CC143280		0.014	0.10	0.94	26	0.11	10.65	99	1.4
CC143281		0.006	0.18	0.84	33	0.07	8.79	109	1.3
CC143282		0.017	0.17	0.65	50	0.22	3.93	81	0.8
CC143283		0.005	0.18	0.46	38	0.08	3.33	95	1.3
CC143284		0.031	0.17	0.69	53	0.27	3.99	93	1.2
CC143285		0.009	0.21	0.65	52	0.11	4.35	95	0.5
CC143286		0.007	0.12	0.72	34	0.07	6.59	103	0.7
CC143287		0.007	0.29	1.52	52	0.07	15.35	180	1.7
CC143288		0.006	0.18	1.15	43	0.06	11.65	141	1.8
CC143289		0.010	0.12	1.47	30	0.11	8.52	101	1.0
CC143290		0.006	0.16	0.97	42	0.10	11.80	145	1.8
CC143291		<0.005	0.18	1.07	44	0.07	10.20	158	1.6
CC143292		0.012	0.13	1.16	38	0.14	16.50	94	1.0
CC143293		0.012	0.13	0.72	36	0.14	5.45	53	<0.5
CC143294		0.012	0.13	0.78	28	0.05	10.05	111	1.7
CC143295		0.006	0.10	1.45	25	0.07	9.02	90	1.2
CC143296		0.009	0.16	1.29	40	0.15	13.95	105	0.8
CC143297		0.010	0.12	0.97	39	0.08	11.40	147	0.6
CC143298		<0.005	0.26	1.23	30	0.07	24.8	103	3.2
CC143299		0.010	0.20	2.41	60	0.16	14.65	168	2.1
CC143300		<0.005	0.12	1.40	27	0.06	11.75	115	1.8





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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152425**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12152426**

Project: Crag East 3  
 P.O. No.:  
 This report is for 104 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

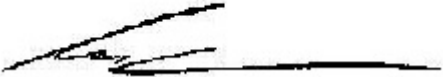
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC143336		0.18	0.006	0.16	1.26	24.5	<0.2	<10	330	0.84	0.24	1.11	0.48	18.85	10.3	20
CC143337		0.15	0.003	0.13	1.00	51.1	<0.2	<10	210	0.61	0.24	0.89	0.78	31.9	10.5	17
CC143338		0.10	0.006	0.12	1.06	39.6	<0.2	<10	140	0.78	0.25	3.33	0.99	16.45	10.8	17
CC143339		0.23	0.008	0.09	0.98	18.7	<0.2	<10	200	0.76	0.29	1.10	0.57	26.5	13.1	17
CC143340		0.13	0.007	0.17	1.25	42.5	<0.2	<10	330	0.77	0.24	1.59	0.59	16.00	11.3	18
CC143341		0.08	0.006	0.09	0.85	18.9	<0.2	<10	130	0.41	0.19	7.36	0.73	21.0	7.0	13
CC143342		0.14	0.013	0.16	1.62	21.9	<0.2	<10	250	0.77	0.23	2.35	1.28	23.5	8.5	23
CC143343		0.13	0.002	0.22	0.64	93.4	<0.2	<10	150	0.51	0.24	2.73	2.71	19.10	10.8	17
CC143344		0.11	0.003	0.20	1.33	103.0	<0.2	<10	160	0.63	0.17	9.35	1.77	29.7	6.5	21
CC143345		0.13	0.003	0.16	0.81	45	<0.2	<10	130	0.63	0.13	10.65	2.42	15.30	6.0	11
CC143346		0.11	0.002	0.22	0.58	41	<0.2	<10	80	0.41	0.10	11.50	3.85	12.45	4.8	8
CC143347		0.10	0.003	0.12	0.70	43	<0.2	<10	140	0.34	0.08	12.60	4.82	18.90	3.6	9
CC143348		0.14	0.004	0.21	0.82	56.1	<0.2	<10	110	0.55	0.14	9.00	3.37	15.85	6.0	13
CC143349		0.13	0.001	0.17	0.45	83.4	<0.2	<10	140	0.75	0.40	2.38	2.28	13.95	13.3	8
CC143350		0.11	0.006	0.12	0.58	71.4	<0.2	<10	450	0.58	0.24	5.76	1.67	15.25	11.0	10
CC143351		0.22	0.004	0.18	1.21	17.5	<0.2	<10	570	1.94	0.43	1.08	0.18	15.70	11.4	23
CC143352		0.22	0.007	0.20	1.68	12.5	<0.2	<10	320	1.80	0.43	0.52	0.16	21.6	11.5	29
CC143353		0.21	0.004	0.17	1.70	16.3	<0.2	<10	360	1.28	0.45	0.54	0.16	17.25	12.6	30
CC143354		0.15	0.001	0.05	1.54	20.6	<0.2	<10	140	0.53	0.36	0.06	0.10	17.20	9.6	22
CC143355		0.17	0.001	0.04	1.63	22.5	<0.2	<10	230	1.09	0.37	0.06	0.15	20.5	13.2	24
CC143356		0.26	0.006	0.12	1.17	17.6	<0.2	<10	300	1.20	0.36	0.26	0.23	21.7	11.6	22
CC143357		0.26	0.005	0.10	1.33	34.2	<0.2	<10	350	0.95	0.29	0.23	0.18	19.55	9.9	22
CC143358		0.23	0.006	0.16	1.59	22.3	<0.2	<10	370	1.37	0.36	0.73	0.27	22.0	17.1	25
CC143359		0.17	0.002	0.07	1.11	21.7	<0.2	<10	210	1.03	0.32	0.20	0.12	17.25	9.4	20
CC143360		0.22	0.001	0.05	1.09	18.0	<0.2	<10	420	0.67	0.34	0.24	0.25	18.45	6.4	17
CC143361		0.23	0.001	0.09	1.47	20.9	<0.2	<10	280	1.14	0.35	0.42	0.20	21.1	16.2	25
CC143362		0.25	0.003	0.33	1.32	31.0	<0.2	<10	330	1.14	0.33	2.31	1.50	17.25	15.5	23
CC143363		0.29	0.003	0.31	1.29	36.2	<0.2	<10	440	1.07	0.29	2.43	1.57	16.90	14.7	22
CC143364		0.28	0.003	0.23	1.65	29.8	<0.2	<10	390	1.28	0.35	0.39	0.38	22.4	15.4	27
CC143365		0.17	0.001	0.06	1.07	15.8	<0.2	<10	50	0.27	0.35	0.03	0.13	15.30	6.6	20
CC143366		0.15	0.003	0.12	1.20	16.6	<0.2	<10	300	0.89	0.28	0.84	0.34	17.55	11.0	22
CC143367		0.17	0.001	0.02	0.91	10.4	<0.2	<10	70	0.55	0.33	0.07	0.09	23.6	7.7	16
CC143368		0.11	0.001	0.06	1.40	10.8	<0.2	<10	180	0.67	0.31	0.36	0.18	17.20	12.8	29
CC143369		0.24	0.002	0.05	1.46	26.3	<0.2	<10	240	0.82	0.35	0.31	0.32	20.5	12.7	26
CC143370		0.20	0.002	0.15	1.17	20.6	<0.2	<10	250	0.87	0.31	0.47	0.25	16.85	12.3	22
CC143371		0.21	0.002	0.04	1.39	20.8	<0.2	<10	220	1.11	0.33	0.13	0.15	20.4	14.7	23
CC143372		0.23	0.002	0.03	1.61	22.9	<0.2	<10	150	1.05	0.38	0.06	0.21	20.4	16.7	25
CC143373		0.14	0.006	0.12	1.22	25.1	<0.2	<10	190	1.12	0.33	0.40	0.23	21.6	12.2	21
CC143374		0.17	0.003	0.11	1.45	20.0	<0.2	<10	210	1.22	0.33	0.19	0.31	31.1	14.6	26
CC143375		0.26	0.003	0.25	1.36	25.4	<0.2	<10	420	1.06	0.31	0.52	0.39	21.1	11.6	27



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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143336		1.28	25.6	3.04	3.59	0.06	0.05	0.71	0.032	0.08	10.8	12.2	0.35	563	0.82	0.01
CC143337		1.04	12.5	4.10	2.82	0.08	0.06	0.91	0.027	0.05	15.5	8.6	0.38	1760	0.69	0.01
CC143338		1.10	23.8	3.62	3.11	0.07	0.05	1.17	0.034	0.09	8.3	10.9	1.71	1100	0.78	0.02
CC143339		2.68	20.2	2.89	3.24	0.06	0.05	0.42	0.031	0.08	11.3	12.3	0.43	813	0.67	0.01
CC143340		4.05	26.2	2.97	3.62	0.07	0.07	1.07	0.031	0.08	7.7	9.6	0.33	628	0.75	0.01
CC143341		0.72	12.7	2.51	2.57	0.07	0.03	0.71	0.022	0.05	11.5	6.1	3.84	1360	0.55	0.02
CC143342		1.66	13.2	3.64	4.55	0.06	0.04	2.42	0.029	0.06	9.6	12.3	1.19	1710	0.87	0.02
CC143343		4.71	16.7	4.61	1.67	0.09	0.07	3.50	0.024	0.06	8.6	3.0	1.33	1440	0.96	<0.01
CC143344		0.98	13.2	3.00	3.16	0.09	0.07	3.54	0.027	0.04	19.4	7.3	5.78	890	0.87	<0.01
CC143345		2.08	14.6	2.23	2.47	0.06	0.05	5.19	0.020	0.06	9.5	6.1	6.40	1260	0.57	0.01
CC143346		0.70	9.6	2.22	2.13	0.05	0.04	38.9	0.022	0.05	6.3	4.9	7.02	1280	0.55	<0.01
CC143347		0.77	7.1	3.91	1.90	0.08	0.04	2.40	0.018	0.03	10.4	3.3	7.46	3540	0.42	0.01
CC143348		1.16	10.4	2.59	2.49	0.06	0.04	6.29	0.020	0.05	8.6	6.7	5.31	1230	0.61	<0.01
CC143349		7.82	23.5	3.46	1.54	0.07	0.05	7.88	0.034	0.08	6.9	4.2	1.23	574	0.39	<0.01
CC143350		6.39	21.6	3.29	1.85	0.08	0.06	3.73	0.026	0.07	7.8	3.9	2.98	1400	0.45	0.01
CC143351		7.88	44.9	3.05	4.10	0.07	0.06	0.51	0.031	0.11	7.8	18.6	0.47	694	0.89	<0.01
CC143352		4.96	43.6	3.35	6.47	0.08	0.09	0.22	0.037	0.11	11.1	35.3	0.55	335	0.64	<0.01
CC143353		3.37	31.3	3.84	6.97	0.08	0.09	0.10	0.040	0.11	8.5	35.4	0.55	453	0.71	<0.01
CC143354		1.91	12.3	3.75	7.40	0.06	0.02	0.02	0.031	0.09	8.2	19.5	0.29	461	0.85	<0.01
CC143355		2.37	26.1	4.48	5.54	0.08	0.04	0.14	0.045	0.09	7.3	26.7	0.29	877	0.97	<0.01
CC143356		2.42	40.9	3.59	4.28	0.09	0.06	0.27	0.037	0.12	10.7	19.3	0.34	483	1.10	<0.01
CC143357		1.18	32.1	6.52	4.58	0.11	0.07	0.29	0.037	0.11	8.0	17.1	0.30	658	0.98	<0.01
CC143358		1.55	46.5	4.15	5.68	0.09	0.06	0.43	0.049	0.15	9.4	20.7	0.57	940	1.23	<0.01
CC143359		1.51	28.0	3.65	4.29	0.08	0.04	0.42	0.035	0.08	7.9	17.5	0.33	402	1.03	<0.01
CC143360		1.19	24.7	3.02	5.35	0.07	0.02	0.11	0.030	0.07	9.1	8.6	0.15	194	1.27	<0.01
CC143361		1.37	37.2	3.95	5.43	0.09	0.04	0.26	0.042	0.10	8.9	20.9	0.39	797	1.21	<0.01
CC143362		1.94	44.2	3.67	4.60	0.09	0.07	0.45	0.043	0.16	8.3	15.3	1.21	695	3.14	<0.01
CC143363		2.07	43.6	3.53	4.38	0.09	0.07	0.39	0.039	0.18	7.8	15.4	0.73	785	3.25	<0.01
CC143364		1.28	39.8	3.93	5.93	0.10	0.07	0.39	0.041	0.12	11.5	20.8	0.39	762	1.93	<0.01
CC143365		1.03	20.5	3.82	6.29	0.07	<0.02	0.04	0.033	0.06	7.5	8.5	0.16	252	1.22	<0.01
CC143366		0.92	33.3	3.43	4.38	0.08	0.05	0.24	0.036	0.08	7.8	18.3	0.36	515	0.94	<0.01
CC143367		1.31	18.4	2.59	5.32	0.06	0.02	0.03	0.022	0.08	11.5	16.0	0.19	321	0.87	<0.01
CC143368		1.43	16.0	3.73	7.33	0.07	0.02	0.07	0.032	0.14	8.1	26.1	0.40	576	1.05	<0.01
CC143369		1.40	28.3	4.43	4.74	0.08	0.04	0.35	0.045	0.10	7.8	22.4	0.35	832	1.30	<0.01
CC143370		1.08	27.2	3.66	4.25	0.07	0.05	0.20	0.038	0.10	7.3	19.7	0.35	455	1.31	<0.01
CC143371		1.05	37.0	4.05	4.82	0.08	0.03	0.22	0.041	0.08	8.9	19.0	0.32	671	1.25	<0.01
CC143372		1.30	34.6	4.41	5.20	0.08	0.04	0.24	0.045	0.08	8.3	21.7	0.32	763	1.34	<0.01
CC143373		1.11	37.6	4.14	3.96	0.09	0.06	0.34	0.045	0.11	8.3	15.9	0.30	758	1.28	<0.01
CC143374		3.16	35.1	3.72	5.10	0.10	0.05	0.21	0.043	0.10	12.4	24.7	0.37	738	1.34	<0.01
CC143375		1.54	36.2	3.87	4.49	0.09	0.06	0.39	0.041	0.11	11.3	21.0	0.40	431	1.57	<0.01



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**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143336		0.40	22.5	770	33.2	9.6	<0.001	0.05	1.59	3.5	1.1	0.5	25.1	<0.01	0.03	1.1
CC143337		0.36	20.6	720	86.2	6.3	<0.001	0.02	4.05	4.7	0.9	0.4	13.4	<0.01	0.05	2.0
CC143338		0.32	23.4	860	92.8	8.7	<0.001	0.03	2.52	4.0	0.9	0.5	20.3	<0.01	0.05	1.7
CC143339		0.47	23.5	570	31.7	8.8	<0.001	0.02	0.93	4.7	0.7	0.5	20.4	<0.01	0.05	3.0
CC143340		0.43	21.5	830	68.6	12.0	<0.001	0.07	2.32	3.5	0.9	0.5	24.0	<0.01	0.04	1.2
CC143341		0.32	11.8	1270	89.2	5.7	0.001	0.05	1.34	2.5	0.9	0.4	28.0	<0.01	0.05	0.8
CC143342		0.61	20.4	680	38.0	8.7	0.001	0.04	1.62	2.6	0.6	0.5	20.5	<0.01	0.04	1.2
CC143343		0.20	27.5	490	88.7	6.2	<0.001	0.04	9.97	5.6	0.8	0.4	13.3	<0.01	0.05	4.1
CC143344		0.57	17.0	1190	125.5	7.3	<0.001	0.04	16.65	3.7	1.0	0.4	39.1	0.01	0.05	1.4
CC143345		0.29	13.6	1600	126.0	8.6	<0.001	0.08	11.65	1.7	0.9	0.3	58.2	0.01	0.03	0.5
CC143346		0.27	9.7	1270	131.0	5.9	<0.001	0.09	8.82	1.5	0.8	0.2	61.1	<0.01	0.03	0.6
CC143347		0.24	8.5	1660	330	5.8	<0.001	0.07	10.95	1.5	0.9	0.2	41.8	0.01	0.04	0.3
CC143348		0.42	12.9	1020	686	5.8	<0.001	0.06	30.3	2.0	0.7	0.3	67.2	<0.01	0.03	0.7
CC143349		0.21	25.9	630	613	6.8	<0.001	0.03	20.2	6.2	0.6	0.5	40.3	<0.01	0.06	2.7
CC143350		0.22	23.1	1050	144.5	7.4	<0.001	0.06	13.35	4.0	0.9	0.4	48.5	0.01	0.05	1.0
CC143351		0.63	23.8	650	27.6	16.5	<0.001	0.06	1.21	4.0	0.8	0.5	19.3	<0.01	0.05	1.6
CC143352		0.68	27.8	650	23.3	21.5	<0.001	0.05	0.61	5.0	0.8	0.7	17.9	0.01	0.04	2.2
CC143353		0.56	26.5	600	25.4	16.3	<0.001	0.05	0.33	4.8	0.7	0.7	24.7	<0.01	0.03	2.7
CC143354		0.84	17.0	220	17.5	19.9	<0.001	0.01	0.36	3.0	0.3	0.8	8.9	<0.01	0.03	3.0
CC143355		0.60	24.8	390	38.3	17.1	<0.001	0.02	0.46	3.5	0.5	0.7	10.6	<0.01	0.03	3.6
CC143356		0.47	31.8	510	20.8	14.5	<0.001	0.01	0.60	5.4	0.8	0.6	28.0	<0.01	0.04	4.7
CC143357		0.69	23.4	360	26.0	11.8	<0.001	0.02	0.47	4.9	0.7	0.6	39.6	<0.01	0.03	4.6
CC143358		0.33	40.7	580	25.2	12.3	<0.001	0.01	0.54	7.2	0.9	0.8	27.5	<0.01	0.04	5.6
CC143359		0.48	25.9	340	21.4	10.9	<0.001	0.01	0.48	4.1	0.6	0.5	18.2	<0.01	0.03	4.3
CC143360		0.57	18.2	230	18.3	14.2	<0.001	0.01	0.46	3.3	0.5	0.7	12.6	<0.01	0.04	2.6
CC143361		0.46	36.9	690	27.8	11.3	<0.001	0.01	0.57	5.3	0.8	0.7	20.6	<0.01	0.04	4.9
CC143362		0.35	49.7	630	26.6	11.9	0.001	0.04	1.35	6.1	1.7	0.6	33.1	<0.01	0.04	4.7
CC143363		0.42	45.8	700	22.2	12.5	0.003	0.04	1.33	5.3	2.0	0.6	50.2	<0.01	0.05	3.7
CC143364		0.39	41.6	230	26.5	11.2	0.001	0.01	0.81	6.6	1.3	0.7	19.6	<0.01	0.04	5.4
CC143365		0.89	15.3	250	24.1	14.6	<0.001	0.01	0.51	2.4	0.4	0.7	5.9	<0.01	0.03	2.6
CC143366		0.56	28.7	520	19.9	9.5	<0.001	0.04	0.61	4.0	0.9	0.5	27.1	<0.01	0.03	2.3
CC143367		0.92	14.4	130	17.5	13.0	<0.001	0.01	0.45	2.2	0.3	0.7	7.8	<0.01	0.03	4.0
CC143368		0.86	21.5	420	18.4	17.9	<0.001	0.02	0.34	3.3	0.4	0.8	18.4	<0.01	0.03	2.9
CC143369		0.56	28.9	480	34.1	12.3	<0.001	0.02	0.62	3.8	0.6	0.6	16.9	<0.01	0.04	3.4
CC143370		0.55	27.6	290	21.1	12.6	<0.001	0.02	0.60	4.3	0.8	0.5	21.6	<0.01	0.04	3.7
CC143371		0.41	32.1	170	25.6	9.9	<0.001	0.01	0.57	5.2	0.9	0.6	12.7	<0.01	0.04	4.8
CC143372		0.55	34.1	290	29.8	12.5	<0.001	0.01	0.66	4.1	0.8	0.6	9.5	<0.01	0.04	4.3
CC143373		0.38	29.2	320	30.6	9.9	<0.001	0.02	0.61	5.6	0.8	0.6	20.0	<0.01	0.04	4.9
CC143374		0.74	33.7	630	25.9	14.5	<0.001	0.02	0.69	4.6	0.9	0.6	16.8	<0.01	0.05	4.5
CC143375		0.53	37.1	580	25.3	10.5	<0.001	0.02	0.82	5.7	1.1	0.6	24.5	<0.01	0.04	4.3



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143336		0.010	0.14	1.25	29	0.12	14.75	147	1.2
CC143337		0.011	0.25	0.89	27	0.15	12.10	210	1.2
CC143338		0.008	0.19	0.69	25	0.09	11.55	309	1.3
CC143339		0.011	0.23	0.85	25	0.29	11.55	133	1.4
CC143340		0.008	0.36	1.96	27	0.10	11.80	197	1.6
CC143341		0.012	0.15	0.95	23	0.09	11.70	268	0.8
CC143342		0.018	0.21	1.08	38	0.16	6.35	489	1.0
CC143343		<0.005	0.95	1.37	21	0.09	11.35	1590	1.8
CC143344		0.014	0.70	2.50	31	0.18	19.15	616	1.4
CC143345		0.007	0.48	2.74	17	0.10	14.85	742	1.1
CC143346		0.007	0.23	2.01	15	0.09	8.78	1420	0.9
CC143347		0.009	0.41	2.54	18	0.08	16.40	1040	0.6
CC143348		0.012	0.35	1.60	22	0.13	9.55	1040	0.8
CC143349		<0.005	0.59	0.80	11	0.15	10.95	1220	1.5
CC143350		<0.005	0.65	1.10	15	0.14	13.30	717	1.2
CC143351		0.015	0.14	2.16	29	0.11	9.02	93	1.3
CC143352		0.016	0.13	1.83	36	0.11	13.60	103	2.1
CC143353		0.010	0.10	1.20	34	0.12	9.21	114	2.1
CC143354		0.013	0.17	0.53	43	0.12	3.61	53	0.5
CC143355		0.006	0.17	0.78	33	0.09	5.72	99	1.1
CC143356		0.009	0.15	1.01	30	0.08	13.55	106	1.5
CC143357		0.006	0.14	0.85	30	0.06	9.55	89	2.1
CC143358		0.005	0.22	0.93	34	0.06	14.40	116	1.8
CC143359		0.010	0.14	0.79	30	0.06	6.98	99	1.2
CC143360		0.007	0.14	0.96	40	0.10	7.41	70	<0.5
CC143361		0.008	0.16	0.93	34	0.11	10.40	110	1.4
CC143362		<0.005	0.27	1.32	65	0.06	14.00	211	2.5
CC143363		<0.005	0.25	1.45	58	0.07	12.25	193	2.2
CC143364		<0.005	0.17	1.05	45	0.06	17.80	142	2.1
CC143365		0.014	0.11	0.44	41	0.11	2.58	72	0.5
CC143366		0.010	0.12	0.93	29	0.06	8.66	102	1.1
CC143367		0.025	0.09	0.53	38	0.10	3.32	52	0.9
CC143368		0.027	0.12	0.78	41	0.11	4.35	71	0.5
CC143369		0.009	0.18	0.97	38	0.08	6.93	142	1.0
CC143370		0.009	0.13	0.86	33	0.07	6.73	108	1.6
CC143371		0.005	0.13	0.87	33	0.05	9.35	105	0.9
CC143372		0.006	0.14	0.77	38	0.07	6.39	110	1.1
CC143373		<0.005	0.22	1.13	29	0.06	10.10	123	1.5
CC143374		0.013	0.17	1.07	38	0.14	11.60	118	1.1
CC143375		0.010	0.21	0.94	40	0.09	14.00	128	1.5



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To: **STRATEGIC METALS LTD.**  
**C/ O ARCHER, CATHRO & ASSOCIATES (1981)**  
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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143376		0.26	0.001	0.16	1.13	24.7	<0.2	<10	270	1.13	0.31	0.56	0.36	17.75	9.3	19
CC143377		0.22	0.002	0.11	1.38	13.2	<0.2	<10	210	0.69	0.21	0.47	0.21	23.7	8.6	25
CC143378		0.19	0.002	0.08	1.36	35.0	<0.2	<10	300	1.12	0.37	0.27	0.48	24.8	18.0	23
CC143379		0.17	0.003	0.14	1.14	19.5	<0.2	<10	410	0.88	0.32	1.06	0.38	12.05	12.4	19
CC143380		0.17	0.003	0.20	1.24	28.5	<0.2	<10	350	1.22	0.33	0.55	0.52	19.80	15.3	22
CC143381		0.13	0.002	0.19	1.25	21.5	<0.2	<10	310	0.89	0.27	0.92	0.31	16.95	10.3	22
CC143382		0.17	0.002	0.17	1.16	30.9	<0.2	<10	360	0.88	0.27	0.98	0.62	17.70	13.3	21
CC143383		0.16	<0.001	0.04	1.06	16.4	<0.2	<10	330	0.49	0.26	0.72	0.28	9.69	8.9	21
CC143384		0.22	0.002	0.03	1.55	26.8	<0.2	<10	210	1.09	0.35	0.12	0.26	18.60	16.8	25
CC143385		0.21	0.002	0.12	1.37	17.4	<0.2	<10	310	0.73	0.28	0.62	0.50	18.00	12.5	24
CC143386		0.13	0.002	0.12	1.08	18.5	<0.2	<10	200	0.94	0.31	1.17	0.18	11.00	8.7	18
CC143387		0.21	0.005	0.28	1.55	23.8	<0.2	<10	390	1.35	0.31	0.59	0.28	22.4	15.9	25
CC143388		0.18	0.001	0.16	1.29	19.1	<0.2	<10	240	1.01	0.28	0.99	0.28	17.30	12.0	23
CC143389		0.20	0.003	0.31	0.76	54.5	<0.2	<10	210	0.72	0.22	5.36	1.39	11.10	9.8	14
CC143390		0.20	0.004	0.13	1.11	20.8	<0.2	<10	320	0.88	0.26	1.21	0.31	12.85	11.2	19
CC143391		0.22	0.006	0.19	1.11	22.4	<0.2	<10	360	1.01	0.25	1.16	0.72	15.65	12.2	19
CC143392		0.18	0.002	0.14	0.97	31.1	<0.2	<10	350	0.70	0.24	1.69	0.51	12.75	9.1	16
CC143451		0.28	0.003	0.15	1.10	29.5	<0.2	<10	190	1.25	0.34	0.54	0.52	17.00	13.9	21
CC143452		0.14	0.011	0.12	0.78	14.0	<0.2	<10	220	0.78	0.21	1.04	0.28	15.10	10.0	14
CC143453		0.21	0.003	0.14	0.99	19.7	<0.2	<10	230	0.80	0.27	1.74	0.54	15.85	12.2	18
CC143454		0.22	0.003	0.15	1.21	17.6	<0.2	<10	200	0.86	0.27	0.46	0.51	26.8	11.8	23
CC143455		0.15	0.002	0.16	1.26	18.0	<0.2	<10	180	0.78	0.30	0.73	0.31	17.90	12.7	23
CC143456		0.17	<0.001	0.18	1.20	18.3	<0.2	<10	270	0.99	0.32	0.72	0.47	15.80	12.1	21
CC143457		0.10	0.006	0.13	0.56	20.0	<0.2	<10	240	0.93	0.31	1.58	0.28	23.1	14.0	7
CC143458		0.15	0.003	0.22	1.18	16.5	<0.2	<10	170	0.72	0.26	0.79	0.49	21.6	9.7	22
CC143459		0.17	0.008	0.14	1.34	20.0	<0.2	<10	210	0.97	0.35	0.55	0.28	14.70	14.6	24
CC143460		0.23	0.001	0.14	1.13	21.7	<0.2	<10	220	0.80	0.27	0.80	0.23	17.35	11.6	20
CC143461		0.13	0.001	0.01	0.37	14.4	<0.2	<10	30	0.12	0.20	0.02	0.06	10.20	2.4	6
CC143462		0.19	0.001	0.14	1.16	16.9	<0.2	<10	270	1.08	0.30	0.96	0.24	17.55	13.1	19
CC143463		0.24	0.005	0.44	0.78	60.2	<0.2	<10	160	1.00	0.23	2.32	0.42	10.75	9.3	17
CC143464		0.25	0.002	0.25	1.00	24.9	<0.2	<10	260	0.91	0.25	1.12	0.78	14.50	11.6	20
CC143465		0.31	0.001	0.23	1.09	21.8	<0.2	<10	290	0.91	0.23	1.46	0.74	14.55	11.1	20
CC143466		0.18	0.003	0.15	1.21	15.7	<0.2	<10	330	0.98	0.25	0.72	0.40	24.7	13.2	21
CC143467		0.10	0.005	0.11	1.12	14.7	<0.2	<10	480	0.95	0.24	1.65	0.42	11.10	11.3	17
CC143468		0.08	0.001	0.13	1.02	17.6	<0.2	<10	330	0.78	0.22	1.72	0.42	10.65	11.1	17
CC160251		0.19	0.002	0.10	1.10	93.2	<0.2	<10	330	0.72	0.32	0.35	0.34	12.75	11.9	22
CC160252		0.22	0.003	0.16	0.81	58.5	<0.2	<10	210	0.61	0.15	0.84	1.06	13.25	7.7	14
CC160253		0.14	0.006	0.30	1.82	40.1	<0.2	<10	2830	0.81	0.29	0.29	0.80	33.3	10.1	29
CC160254		0.18	0.002	0.14	1.69	62.6	<0.2	<10	280	1.03	0.33	0.11	0.67	20.5	14.1	25
CC160291		0.16	0.003	0.10	0.79	18.3	<0.2	<10	160	0.93	0.28	1.06	0.34	14.10	11.6	12

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



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
CC143376		2.02	35.0	3.58	3.74	0.08	0.07	0.21	0.039	0.12	8.3	16.9	0.29	129	1.16	<0.01
CC143377		5.29	15.8	3.39	4.73	0.08	0.07	0.13	0.037	0.10	10.9	28.3	0.40	605	0.73	<0.01
CC143378		1.46	34.1	4.34	4.69	0.09	0.05	0.51	0.044	0.09	9.3	18.2	0.34	1090	1.46	<0.01
CC143379		0.90	26.8	3.59	3.76	<0.05	0.06	0.29	0.039	0.09	5.5	13.4	0.32	503	1.19	0.01
CC143380		1.34	38.8	3.90	4.27	<0.05	0.09	0.89	0.040	0.11	8.5	18.1	0.39	798	1.77	0.01
CC143381		0.86	21.9	3.31	3.91	<0.05	0.07	0.50	0.034	0.07	8.3	19.7	0.38	397	1.62	0.01
CC143382		0.77	24.0	3.46	3.82	<0.05	0.07	0.34	0.038	0.07	7.6	17.2	0.39	566	1.99	0.01
CC143383		0.90	18.3	3.34	3.98	<0.05	0.04	0.19	0.031	0.07	4.0	17.0	0.33	464	1.25	0.01
CC143384		1.16	31.5	4.47	4.62	0.06	0.04	0.17	0.039	0.06	7.5	26.6	0.38	776	2.06	0.01
CC143385		0.87	23.0	3.57	4.28	<0.05	0.05	0.73	0.033	0.07	8.0	22.8	0.39	480	1.17	0.01
CC143386		2.09	21.1	3.21	3.57	<0.05	0.08	0.26	0.031	0.10	5.4	15.4	0.28	268	0.56	0.01
CC143387		0.99	36.0	3.99	5.30	0.06	0.12	0.40	0.040	0.08	12.2	19.8	0.39	689	2.20	0.01
CC143388		0.97	26.9	3.35	4.26	<0.05	0.08	0.25	0.031	0.08	8.5	19.3	0.37	442	1.30	0.01
CC143389		2.35	32.1	2.62	2.76	<0.05	0.07	2.43	0.026	0.08	5.6	9.9	2.79	947	3.93	0.01
CC143390		1.28	26.5	2.95	3.69	<0.05	0.06	0.40	0.028	0.09	5.8	14.0	0.30	344	1.40	0.01
CC143391		1.70	31.9	3.20	3.66	<0.05	0.07	2.85	0.035	0.09	7.8	14.5	0.29	533	1.64	0.01
CC143392		3.03	27.7	2.60	3.17	0.07	0.07	1.51	0.031	0.09	6.1	12.8	0.27	274	1.05	0.01
CC143451		2.49	42.0	4.10	3.95	0.05	0.10	0.37	0.038	0.13	7.9	22.0	0.32	121	1.11	0.01
CC143452		1.30	26.5	2.64	2.80	<0.05	0.04	0.24	0.025	0.08	7.0	12.8	0.28	542	0.81	0.01
CC143453		1.51	27.1	2.86	3.41	<0.05	0.07	0.28	0.030	0.10	7.6	15.1	0.69	431	1.00	0.01
CC143454		2.91	27.6	3.17	4.35	<0.05	0.08	0.26	0.031	0.09	12.7	24.4	0.38	199	1.06	0.01
CC143455		5.09	21.5	3.37	4.40	<0.05	0.08	0.24	0.037	0.10	7.9	24.9	0.47	441	1.23	0.01
CC143456		0.95	36.0	3.69	4.08	<0.05	0.09	0.38	0.035	0.11	8.1	17.9	0.36	455	1.71	0.01
CC143457		2.14	50.0	3.47	1.68	0.05	0.06	0.55	0.039	0.09	9.3	5.2	0.11	513	0.69	0.01
CC143458		1.32	23.0	3.36	4.02	0.07	0.05	0.19	0.033	0.08	11.2	31.0	0.47	360	1.10	0.01
CC143459		2.53	29.0	3.95	4.69	<0.05	0.08	0.21	0.040	0.08	6.7	40.6	0.48	357	1.35	0.01
CC143460		0.51	19.1	3.31	4.08	<0.05	0.05	0.25	0.035	0.07	7.0	19.3	0.30	390	1.82	0.01
CC143461		4.43	9.9	1.43	3.76	<0.05	<0.02	0.03	0.015	0.04	5.1	1.3	0.02	45	1.32	<0.01
CC143462		1.49	32.2	3.54	3.64	<0.05	0.08	1.24	0.037	0.10	7.8	13.2	0.27	582	1.41	0.01
CC143463		40.7	42.7	3.04	2.69	<0.05	0.06	1.84	0.047	0.07	5.5	9.4	1.08	847	2.94	0.01
CC143464		5.90	33.6	2.93	3.48	<0.05	0.09	0.52	0.031	0.09	7.0	12.9	0.31	561	3.08	0.01
CC143465		1.01	30.3	3.10	3.54	<0.05	0.07	0.46	0.034	0.11	7.1	15.1	0.45	474	2.35	0.01
CC143466		0.65	30.4	3.62	4.18	0.07	0.08	0.25	0.039	0.09	11.4	16.5	0.38	563	1.58	0.01
CC143467		0.74	28.7	3.04	3.55	<0.05	0.06	0.19	0.031	0.11	5.4	13.4	0.29	667	1.40	0.01
CC143468		0.68	20.2	2.73	3.36	<0.05	0.06	0.31	0.031	0.09	5.0	13.9	0.28	530	1.19	0.01
CC160251		1.29	26.6	3.92	3.80	<0.05	0.05	2.42	0.030	0.08	5.3	15.8	0.30	662	1.43	0.01
CC160252		1.24	29.5	3.60	2.49	<0.05	0.08	0.89	0.025	0.08	6.4	13.6	0.41	561	0.92	0.01
CC160253		1.15	12.6	3.89	5.40	<0.05	0.05	0.99	0.033	0.06	18.0	14.3	0.38	908	0.94	0.01
CC160254		1.81	22.4	4.21	5.06	<0.05	0.05	5.99	0.042	0.08	9.3	24.0	0.27	522	1.49	0.01
CC160291		5.37	28.3	2.70	2.51	<0.05	0.06	0.34	0.030	0.09	6.8	12.4	0.35	460	0.73	<0.01





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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143376		0.54	26.0	630	23.6	16.3	0.001	0.07	0.44	4.9	1.0	0.5	39.2	<0.01	0.03	3.4
CC143377		0.87	23.7	510	14.6	20.0	<0.001	0.06	0.32	3.9	0.7	0.5	24.4	<0.01	0.03	3.7
CC143378		0.42	37.2	440	37.1	10.3	<0.001	0.01	2.23	4.3	0.9	0.6	16.0	<0.01	0.04	4.7
CC143379		0.47	25.3	490	24.0	8.5	<0.001	0.05	0.66	4.0	0.9	0.5	28.4	<0.01	0.05	2.1
CC143380		0.56	40.2	530	34.1	10.3	0.001	0.04	1.89	5.8	0.9	0.6	23.2	<0.01	0.02	4.3
CC143381		0.67	24.4	470	20.5	7.2	<0.001	0.05	0.73	4.6	0.4	0.5	28.2	<0.01	0.02	3.0
CC143382		0.56	27.7	610	22.5	7.1	<0.001	0.06	0.65	4.3	1.4	0.5	35.1	<0.01	0.04	2.4
CC143383		0.47	19.6	350	19.7	9.8	<0.001	0.05	0.45	3.3	<0.2	0.5	22.2	<0.01	0.02	1.8
CC143384		0.51	33.6	370	29.7	9.8	0.001	0.03	0.51	4.0	0.3	0.6	11.8	<0.01	0.04	3.6
CC143385		0.78	26.2	480	20.5	8.9	0.002	0.04	0.43	4.2	0.9	0.6	24.7	<0.01	0.03	3.1
CC143386		0.49	20.2	550	18.7	14.7	<0.001	0.10	0.33	4.3	0.9	0.5	43.0	<0.01	0.03	2.3
CC143387		0.55	39.9	300	24.6	10.0	0.002	0.02	0.54	7.8	1.3	0.7	25.2	<0.01	0.04	5.2
CC143388		0.69	28.6	550	19.0	9.8	<0.001	0.05	0.47	4.4	0.9	0.6	41.2	0.01	0.03	2.0
CC143389		0.40	35.1	630	20.2	7.7	0.001	0.04	1.36	4.4	1.2	0.4	68.0	<0.01	0.06	2.5
CC143390		0.65	26.8	590	19.3	9.2	0.001	0.06	0.44	4.1	0.6	0.5	38.1	<0.01	0.02	2.0
CC143391		0.56	32.3	710	18.7	9.8	0.001	0.06	0.74	4.4	1.2	0.5	40.5	<0.01	0.04	2.0
CC143392		0.57	24.6	570	21.3	10.3	0.002	0.08	0.97	4.4	2.4	0.4	54.6	<0.01	0.03	2.2
CC143451		0.52	34.8	520	26.6	16.0	0.002	0.08	0.68	5.9	0.7	0.6	29.8	<0.01	0.02	4.4
CC143452		0.43	21.3	580	17.2	10.5	0.001	0.07	0.54	3.0	0.3	0.4	52.0	<0.01	0.02	1.5
CC143453		0.62	27.1	560	17.3	11.8	0.001	0.06	0.43	4.1	0.9	0.5	52.2	<0.01	0.06	2.5
CC143454		0.93	28.1	540	20.1	15.1	0.001	0.03	0.54	5.3	0.7	0.5	24.4	<0.01	0.03	4.6
CC143455		0.67	27.0	540	20.5	17.0	0.001	0.06	0.54	4.1	0.6	0.5	34.9	<0.01	0.03	2.0
CC143456		0.60	35.3	660	22.5	9.5	<0.001	0.04	0.47	5.6	0.7	0.5	28.1	0.01	0.03	3.6
CC143457		0.22	27.3	940	19.5	8.5	0.002	0.06	0.37	5.9	1.0	0.5	46.7	0.01	0.04	3.1
CC143458		0.70	25.2	770	18.3	11.1	0.001	0.05	0.53	5.0	1.2	0.5	34.0	0.01	0.05	2.2
CC143459		0.66	34.3	320	22.6	10.2	<0.001	0.03	0.47	5.8	0.8	0.7	23.6	<0.01	0.03	4.0
CC143460		0.64	24.9	440	22.0	6.6	<0.001	0.04	0.49	4.0	1.0	0.5	35.0	<0.01	0.05	3.0
CC143461		0.62	6.3	120	5.1	12.5	<0.001	0.01	0.28	1.4	<0.2	0.7	4.8	<0.01	0.03	1.9
CC143462		0.58	35.3	430	22.1	7.5	0.001	0.05	0.36	5.9	1.1	0.5	31.1	0.01	0.04	4.0
CC143463		0.40	41.0	780	17.6	12.2	0.002	0.05	1.93	5.9	1.2	0.5	61.4	0.01	0.06	1.7
CC143464		0.76	33.8	710	21.0	10.8	0.001	0.05	2.13	4.6	1.5	0.5	37.3	0.01	0.03	2.8
CC143465		0.55	33.5	710	17.7	9.1	0.003	0.07	0.76	4.5	1.8	0.5	42.8	<0.01	0.02	2.5
CC143466		0.53	36.6	640	19.5	8.5	<0.001	0.03	0.43	5.4	0.7	0.5	25.7	<0.01	0.03	4.0
CC143467		0.49	30.0	510	16.7	8.9	<0.001	0.06	0.47	4.1	1.1	0.5	43.0	<0.01	0.01	2.3
CC143468		0.53	24.3	510	17.6	8.0	0.001	0.08	0.44	3.8	0.9	0.4	43.7	<0.01	0.04	2.1
CC160251		0.57	23.1	340	42.1	10.1	0.001	0.03	1.08	3.8	0.4	0.5	19.0	<0.01	0.03	2.8
CC160252		0.34	17.1	720	16.7	9.4	0.001	0.09	0.67	4.8	5.0	0.3	21.0	<0.01	0.02	3.5
CC160253		1.08	21.3	440	260	13.7	0.001	0.04	4.35	4.8	0.8	0.6	14.1	<0.01	0.04	3.3
CC160254		0.96	27.7	370	64.7	13.4	<0.001	0.03	0.92	3.9	0.7	0.7	9.6	<0.01	0.02	4.0
CC160291		0.31	22.7	410	24.9	13.9	0.002	0.05	1.40	4.0	1.0	0.4	51.8	<0.01	0.03	2.2

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



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**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143376		0.005	0.13	1.16	30	0.06	11.55	115	1.9
CC143377		0.018	0.14	1.23	37	0.12	8.05	124	1.7
CC143378		0.006	0.18	1.04	36	0.06	8.73	148	1.3
CC143379		0.005	0.11	1.27	32	0.07	6.28	109	1.3
CC143380		0.007	0.23	0.93	40	0.08	12.10	179	2.7
CC143381		0.009	0.15	1.38	40	0.12	9.37	116	1.8
CC143382		0.008	0.14	1.72	39	0.09	8.62	120	1.5
CC143383		0.007	0.13	0.59	31	0.06	2.72	143	1.0
CC143384		0.005	0.20	0.76	46	0.05	5.97	144	1.1
CC143385		0.014	0.14	1.20	41	0.17	6.50	106	1.3
CC143386		<0.005	0.14	1.20	23	0.06	8.44	112	1.9
CC143387		0.005	0.19	1.38	55	0.08	19.20	122	3.5
CC143388		0.008	0.13	1.48	35	0.09	10.20	110	1.5
CC143389		0.005	0.68	1.14	52	0.09	11.70	164	2.6
CC143390		<0.005	0.21	1.13	29	0.07	8.58	133	1.4
CC143391		<0.005	0.27	1.93	34	0.08	11.65	137	1.6
CC143392		0.005	0.43	2.00	28	0.10	9.74	125	1.8
CC143451		0.005	0.16	1.15	30	0.06	10.85	134	2.9
CC143452		0.007	0.10	0.95	25	0.07	8.76	81	1.1
CC143453		0.008	0.15	0.82	29	0.09	7.99	111	1.5
CC143454		0.016	0.15	0.96	38	0.20	10.70	104	2.1
CC143455		0.013	0.19	0.82	38	0.11	7.44	133	1.7
CC143456		0.005	0.17	1.13	36	0.06	12.25	140	2.2
CC143457		<0.005	0.53	1.18	12	<0.05	16.05	77	1.1
CC143458		0.016	0.14	1.59	35	0.14	12.25	133	1.2
CC143459		0.010	0.10	0.62	34	0.07	9.24	124	2.0
CC143460		0.007	0.11	0.79	45	0.11	6.02	99	1.5
CC143461		0.005	0.11	0.25	44	0.06	1.53	47	0.5
CC143462		<0.005	0.28	0.66	30	0.05	12.95	103	2.2
CC143463		0.005	3.04	0.99	41	0.07	13.50	165	1.2
CC143464		0.009	1.55	1.06	40	0.09	9.89	140	1.9
CC143465		0.005	0.25	1.21	41	0.07	11.30	143	1.9
CC143466		0.006	0.12	1.33	35	0.07	12.70	114	1.8
CC143467		<0.005	0.12	1.72	31	0.07	8.58	117	1.7
CC143468		<0.005	0.12	1.22	29	0.06	7.44	114	1.5
CC160251		0.007	0.28	0.62	36	0.08	4.83	142	1.2
CC160252		<0.005	0.17	1.42	23	0.05	9.98	218	1.8
CC160253		0.021	0.27	1.37	49	0.25	11.30	150	0.9
CC160254		0.009	0.29	0.83	48	0.10	6.25	483	1.5
CC160291		<0.005	0.15	2.74	19	<0.05	8.26	323	1.8



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160292		0.21	0.002	0.10	0.63	27.9	<0.2	<10	120	0.89	0.32	0.88	0.72	15.85	12.9	10
CC160293		0.16	0.002	0.08	0.60	16.2	<0.2	<10	140	0.90	0.36	0.83	0.25	15.40	12.0	10
CC160294		0.19	0.002	0.09	0.63	17.5	<0.2	<10	180	0.99	0.33	0.91	0.25	15.50	12.2	11
CC160295		0.19	0.002	0.08	0.69	20.1	<0.2	<10	150	0.96	0.34	0.86	0.29	16.30	12.4	11
CC143438		0.19	0.007	0.45	1.18	17.9	<0.2	<10	260	0.96	0.29	0.30	0.50	22.7	16.7	16
CC143439		0.17	0.006	0.79	0.78	5.1	<0.2	<10	190	0.18	0.18	0.04	0.17	9.89	2.1	13
CC143440		0.22	0.002	0.79	1.44	21.1	<0.2	<10	320	0.68	0.27	0.12	0.56	27.8	12.2	26
CC143441		0.23	0.003	0.30	1.22	57.7	<0.2	<10	570	0.84	0.27	1.01	0.47	19.50	10.7	21
CC143442		0.23	0.002	0.36	1.33	32.1	<0.2	<10	430	0.78	0.24	1.16	1.87	26.2	10.6	25
CC143443		0.29	0.005	0.35	1.28	68.5	<0.2	<10	750	1.25	0.32	0.66	0.92	20.9	16.3	23
CC143444		0.23	0.004	0.30	1.16	100.5	<0.2	<10	420	1.03	0.32	0.59	0.62	22.1	12.3	19
CC143445		0.27	0.002	0.30	1.22	106.0	<0.2	<10	470	1.17	0.30	1.51	0.94	19.95	14.2	21
CC143446		0.14	0.002	0.24	1.06	37.6	<0.2	<10	340	0.79	0.23	1.46	0.72	14.25	10.8	17
CC143447		0.26	0.003	0.31	1.20	62.0	<0.2	<10	470	0.84	0.26	1.25	0.46	19.30	9.3	21
CC143448		0.20	0.003	0.24	1.07	40.7	<0.2	<10	380	0.87	0.26	1.10	0.71	15.75	11.0	18
CC143449		0.28	0.004	0.20	1.12	20.5	<0.2	<10	380	0.85	0.24	1.13	0.61	16.00	8.0	18
CC143450		0.24	<0.001	0.15	0.81	66.5	<0.2	10	260	0.82	0.26	1.54	0.64	13.20	11.9	13
CC160344		0.13	0.002	0.21	1.11	56.3	<0.2	<10	300	0.29	0.35	0.09	0.13	14.85	5.9	18
CC160345		0.14	0.004	0.40	1.44	22.9	<0.2	<10	160	0.63	0.27	0.06	0.41	7.54	13.3	23
CC160346		0.13	0.004	0.21	0.94	19.0	<0.2	<10	110	0.17	0.27	0.01	0.10	16.20	3.4	13
CC160347		0.10	<0.001	0.69	1.04	12.4	<0.2	<10	110	0.25	0.28	0.04	0.23	18.80	5.1	20
CC160348		0.15	0.001	0.14	1.25	18.6	<0.2	<10	130	0.31	0.28	0.04	0.18	16.50	7.8	22
CC160349		0.19	0.002	0.45	1.90	14.1	<0.2	<10	240	0.69	0.29	0.14	0.28	29.7	11.9	28
CC160350		0.13	0.001	0.07	0.60	11.4	<0.2	<10	50	0.14	0.28	0.02	0.05	28.5	2.0	11



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**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160292		6.27	30.4	3.00	1.98	<0.05	0.05	0.31	0.029	0.10	7.2	9.6	0.31	477	0.76	0.01
CC160293		6.05	31.4	2.94	1.92	<0.05	0.05	0.23	0.029	0.10	7.5	8.7	0.23	376	0.65	0.01
CC160294		5.56	31.7	3.13	2.00	<0.05	0.05	0.24	0.034	0.11	7.3	9.2	0.35	469	0.79	0.01
CC160295		6.14	32.9	3.08	2.27	<0.05	0.07	0.37	0.032	0.10	7.7	10.4	0.31	456	0.81	0.01
CC143438		2.71	101.0	6.38	2.98	0.06	0.05	0.13	0.048	0.11	9.9	19.4	0.28	542	4.48	0.01
CC143439		1.35	17.2	1.11	4.28	<0.05	<0.02	0.07	0.017	0.05	5.1	2.0	0.05	47	1.14	0.01
CC143440		1.66	19.1	3.30	4.94	0.05	0.02	0.14	0.029	0.09	12.4	39.7	0.40	314	2.16	0.01
CC143441		1.02	30.3	3.10	3.70	0.05	0.04	1.60	0.033	0.09	9.7	19.0	0.39	382	1.64	0.01
CC143442		1.21	46.1	2.82	3.93	0.06	0.06	0.81	0.031	0.09	13.6	24.6	0.48	485	0.95	0.01
CC143443		1.61	52.9	4.09	4.29	0.05	0.08	1.24	0.044	0.12	10.1	19.2	0.50	752	2.81	0.01
CC143444		1.21	31.9	3.50	3.70	<0.05	0.06	7.53	0.034	0.09	8.4	17.8	0.35	819	1.70	0.01
CC143445		1.20	41.2	3.71	4.00	0.05	0.06	2.09	0.040	0.12	9.6	17.0	0.86	705	2.31	0.01
CC143446		1.42	28.4	2.85	3.24	<0.05	0.06	0.57	0.028	0.11	6.8	14.8	0.36	511	1.23	0.01
CC143447		3.20	27.1	3.11	3.67	<0.05	0.06	2.80	0.032	0.10	10.7	17.2	0.54	463	1.13	0.01
CC143448		1.33	29.0	2.94	3.32	0.05	0.07	0.60	0.030	0.12	7.3	16.9	0.36	646	1.39	0.01
CC143449		2.00	24.8	1.94	3.25	<0.05	0.06	0.70	0.031	0.10	7.4	16.9	0.35	153	0.63	0.01
CC143450		3.29	24.0	2.86	2.61	<0.05	0.06	0.89	0.028	0.09	6.0	10.7	0.31	577	0.94	0.01
CC160344		1.60	18.7	3.83	6.04	<0.05	<0.02	13.10	0.028	0.07	7.0	7.0	0.14	247	1.27	0.01
CC160345		3.23	45.1	3.95	4.16	<0.05	0.03	0.20	0.044	0.09	3.3	34.0	0.44	388	2.25	0.01
CC160346		1.43	16.2	2.32	5.71	<0.05	<0.02	0.10	0.022	0.05	8.0	3.6	0.08	93	1.28	0.01
CC160347		2.39	20.8	2.13	5.45	<0.05	<0.02	0.09	0.023	0.08	9.3	7.8	0.21	116	2.04	0.01
CC160348		1.81	11.2	3.62	5.66	<0.05	<0.02	14.40	0.028	0.07	8.2	22.0	0.30	255	1.50	0.01
CC160349		1.87	18.8	3.54	6.18	<0.05	0.04	0.16	0.025	0.07	14.7	30.9	0.48	454	1.78	0.01
CC160350		1.62	7.5	1.39	6.39	<0.05	<0.02	0.08	0.008	0.04	14.4	2.0	0.05	95	1.46	0.01

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC160292		0.24	24.1	410	27.7	15.0	0.001	0.03	1.44	4.2	1.1	0.4	46.1	<0.01	0.04	2.9
CC160293		0.23	22.0	370	23.2	13.3	0.001	0.03	0.63	4.2	0.5	0.4	41.5	<0.01	0.02	3.3
CC160294		0.23	23.1	440	24.8	10.6	<0.001	0.03	0.77	4.4	0.4	0.4	38.2	<0.01	0.02	3.2
CC160295		0.26	23.9	430	25.1	12.5	0.001	0.03	1.01	4.4	0.5	0.4	41.7	<0.01	0.02	3.0
CC143438		0.38	34.4	2410	20.6	11.5	0.001	0.04	1.53	5.1	2.2	0.5	24.5	<0.01	0.08	3.9
CC143439		0.28	6.0	550	8.9	6.6	0.001	0.03	0.37	0.2	0.6	0.6	5.5	<0.01	0.06	<0.2
CC143440		0.94	26.0	550	16.0	14.5	0.002	0.02	0.86	3.4	1.4	0.6	15.8	<0.01	0.01	2.4
CC143441		0.57	27.6	670	20.6	8.9	0.001	0.06	1.10	4.4	1.7	0.5	38.2	<0.01	0.04	2.0
CC143442		0.77	29.2	1390	17.6	11.3	0.001	0.10	0.93	3.8	2.6	0.4	57.0	<0.01	0.01	1.6
CC143443		0.39	48.1	650	26.3	10.8	0.001	0.02	1.36	7.5	1.8	0.6	32.7	<0.01	0.07	5.4
CC143444		0.39	30.7	510	25.7	9.2	0.001	0.02	1.52	5.4	1.1	0.5	23.1	<0.01	0.03	4.2
CC143445		0.42	39.3	560	29.6	9.8	0.002	0.03	1.41	6.3	1.3	0.5	30.1	<0.01	0.03	4.1
CC143446		0.44	24.5	580	19.2	14.1	0.001	0.07	0.85	3.4	1.0	0.4	43.5	<0.01	0.03	1.5
CC143447		0.55	25.4	740	17.9	19.3	0.001	0.06	0.99	4.3	1.4	0.5	36.7	<0.01	0.03	1.9
CC143448		0.45	27.6	640	20.0	12.3	0.007	0.09	0.76	4.5	2.0	0.4	38.3	<0.01	0.01	2.6
CC143449		0.49	21.3	600	19.9	12.5	0.005	0.10	0.60	3.8	1.7	0.4	39.8	<0.01	0.02	2.0
CC143450		0.39	22.1	610	33.4	11.1	0.002	0.07	1.66	3.7	0.7	0.4	45.0	<0.01	<0.01	2.0
CC160344		1.09	14.5	500	17.9	14.5	0.001	0.02	0.78	2.3	0.6	0.7	11.2	<0.01	0.04	2.4
CC160345		0.34	35.8	770	16.5	14.5	0.001	0.02	1.11	3.1	1.2	0.4	12.1	<0.01	0.05	2.3
CC160346		0.74	8.9	390	11.2	9.8	0.001	0.02	0.58	1.6	0.7	0.8	7.2	<0.01	0.05	1.6
CC160347		0.69	15.5	410	11.2	12.4	0.002	0.02	0.84	1.6	1.2	0.7	8.1	<0.01	0.03	0.8
CC160348		1.35	14.9	350	15.6	15.8	0.001	0.02	0.80	2.1	0.3	0.6	6.8	<0.01	0.05	2.7
CC160349		1.73	28.4	460	14.3	18.1	0.001	0.01	0.61	3.1	1.1	0.7	12.5	<0.01	0.05	4.9
CC160350		0.97	4.9	190	9.8	7.2	0.001	0.01	0.52	0.8	<0.2	1.0	5.2	<0.01	0.02	1.1



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152426**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160292		<0.005	0.13	1.16	17	<0.05	7.56	611	1.7
CC160293		<0.005	0.12	0.86	15	<0.05	8.50	104	1.7
CC160294		<0.005	0.13	0.89	16	<0.05	8.94	121	1.7
CC160295		<0.005	0.12	1.17	18	0.05	9.01	126	1.8
CC143438		0.006	0.16	1.12	27	<0.05	10.55	167	1.9
CC143439		0.007	0.08	0.42	27	0.09	1.49	29	<0.5
CC143440		0.021	0.19	1.37	48	0.18	7.54	112	0.5
CC143441		0.010	0.22	2.24	34	0.08	10.35	124	1.2
CC143442		0.017	0.15	4.66	36	0.13	13.10	181	1.8
CC143443		0.005	0.32	1.08	50	0.07	15.85	164	3.0
CC143444		0.005	0.33	1.01	34	0.05	9.12	130	2.3
CC143445		0.005	0.27	0.90	47	0.05	12.90	189	2.0
CC143446		0.005	0.20	1.13	35	0.05	7.95	155	1.5
CC143447		0.010	0.25	1.19	35	0.09	12.35	142	1.6
CC143448		0.006	0.20	1.17	36	0.05	9.68	143	2.0
CC143449		0.005	0.16	2.20	35	0.05	9.05	142	1.7
CC143450		0.005	0.21	1.64	24	0.05	8.37	224	1.8
CC160344		0.012	0.20	0.47	50	0.14	2.82	75	<0.5
CC160345		0.005	0.32	0.55	31	<0.05	3.84	138	1.0
CC160346		0.016	0.15	0.35	53	0.12	1.44	45	<0.5
CC160347		0.023	0.24	0.50	47	0.13	2.32	74	<0.5
CC160348		0.025	0.14	0.45	45	0.18	2.38	80	0.7
CC160349		0.046	0.31	0.74	57	0.29	5.28	106	1.5
CC160350		0.031	0.13	0.40	55	0.20	1.66	26	<0.5



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Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12152426**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 9- AUG- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12155783**

Project: Crag East  
 P.O. No.: Batch 5  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 10- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12155783**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
N833834		6.40	<0.001	0.11	0.47	71.2	<0.2	10	90	0.46	0.35	2.16	0.05	3.76	9.3	8
N833835		4.48	<0.001	0.05	0.55	54.0	<0.2	20	40	0.91	0.43	1.03	0.02	2.50	12.2	9
N833836		5.73	<0.001	0.05	0.40	48	<0.2	10	50	0.47	0.15	18.90	0.03	15.70	4.7	4
N833837		8.01	<0.001	0.14	0.53	54	<0.2	10	70	0.62	0.28	10.70	0.06	8.88	10.2	7
N833838		2.15	<0.001	0.06	0.53	19.8	<0.2	10	50	0.65	0.38	2.72	0.06	6.66	10.5	7
N833839		10.71	<0.001	0.07	0.59	8.7	<0.2	20	50	0.90	0.37	0.92	0.02	5.42	10.2	7
N833840		<0.02	<0.001	0.06	0.57	8.0	<0.2	20	50	0.79	0.39	0.93	0.01	5.58	9.9	7
N833841		5.21	<0.001	0.02	0.71	9.8	<0.2	20	40	0.93	0.24	0.41	<0.01	3.13	10.5	9
N833842		10.81	<0.001	0.03	0.76	15.2	<0.2	20	60	0.98	0.38	0.53	<0.01	5.84	10.5	8
N833843		10.25	<0.001	0.03	0.71	10.2	<0.2	20	140	0.86	0.34	0.74	<0.01	10.25	9.2	8
N833844		10.25	<0.001	0.03	0.58	7.2	<0.2	20	100	0.67	0.35	0.66	0.01	4.47	11.2	8
N833845		10.34	0.001	0.03	0.64	217	<0.2	20	300	0.76	0.35	1.00	0.01	7.93	10.8	8
N833846		0.25	3.99	1.38	0.34	686	<0.2	<10	60	0.30	4.74	1.97	1.76	4.35	6.9	20
N833847		10.01	0.003	0.04	0.53	29.2	<0.2	20	100	0.80	0.37	0.78	0.01	4.47	17.3	8
N833848		4.57	0.001	0.09	0.58	23	<0.2	20	190	0.75	0.17	13.20	0.02	9.91	11.9	7
N833849		6.52	0.001	0.09	0.68	56.4	<0.2	20	310	0.93	0.30	4.63	0.08	12.95	13.5	9
N833850		2.24	0.003	0.08	0.69	15.1	<0.2	20	750	1.11	0.29	4.25	0.09	16.60	12.4	9
N833851		8.06	<0.001	0.09	0.49	29.0	<0.2	20	60	0.69	0.23	9.90	0.07	8.95	11.8	7
N833852		4.35	<0.001	0.01	0.04	2	<0.2	<10	10	0.09	0.06	19.00	0.07	1.05	1.0	1
N833853		10.47	0.001	0.13	0.45	29	<0.2	10	60	0.43	0.25	20.0	0.11	11.90	7.9	5
N833854		5.80	0.001	0.29	0.73	6.7	<0.2	20	1090	0.59	0.27	0.86	0.04	18.55	13.4	14
N833855		9.36	0.001	0.25	0.71	8.9	<0.2	20	160	1.03	0.43	0.33	0.02	19.80	19.1	13
N833856		9.88	0.001	0.06	0.67	8.1	<0.2	20	160	0.96	0.40	0.55	0.03	17.75	17.2	11
N833857		4.90	0.001	0.07	0.54	7.7	<0.2	20	940	0.64	0.24	1.96	0.05	14.30	11.6	8
N833858		2.22	0.001	0.11	0.55	7.3	<0.2	20	310	0.59	0.24	1.87	0.04	14.45	11.9	8
N833859		9.15	0.001	0.07	0.73	8.8	<0.2	20	350	0.95	0.35	1.20	0.03	14.25	15.9	11
N833860		10.67	0.001	0.07	0.84	16.2	<0.2	30	110	1.30	0.57	0.21	0.01	16.10	22.3	12
N833861		7.94	0.001	0.04	0.62	42.7	<0.2	20	70	0.54	0.22	1.36	0.03	14.50	12.4	13
N833862		3.98	<0.001	0.04	0.54	35.5	<0.2	10	80	0.35	0.11	1.95	0.05	12.20	9.9	11
N833863		5.41	<0.001	0.01	0.05	<2	<0.2	<10	20	<0.05	0.03	18.50	0.05	1.13	0.7	<1
N833864		2.27	<0.001	0.16	0.54	27.4	<0.2	10	1060	0.61	0.18	0.67	0.01	10.85	13.2	8
N833865		0.25	0.263	98.2	1.22	253	0.2	<10	90	0.19	5.09	0.60	24.3	7.94	11.1	31
N833866		6.26	0.001	0.07	0.53	36.0	<0.2	10	110	0.70	0.25	0.97	0.02	12.45	12.7	8
N833867		5.49	<0.001	0.04	0.58	34.8	<0.2	20	110	0.86	0.29	4.81	0.01	17.95	16.0	8
N833868		10.06	0.001	0.03	0.65	15.5	<0.2	30	110	1.34	0.48	2.13	<0.01	8.58	19.4	7
N833869		10.98	0.001	0.04	0.63	14.3	<0.2	30	90	1.13	0.39	3.27	0.01	13.50	18.8	9

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12155783**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833834		6.93	34.8	3.43	1.07	<0.05	0.12	0.54	0.024	0.29	1.7	6.4	0.55	236	0.68	0.02
N833835		11.80	33.6	3.45	1.25	<0.05	0.11	0.11	0.028	0.33	1.1	17.3	0.60	258	0.31	0.02
N833836		4.01	11.0	1.80	0.89	<0.05	0.09	0.09	0.015	0.23	4.6	7.7	0.47	635	0.34	0.02
N833837		8.10	25.9	2.46	1.19	<0.05	0.11	0.04	0.024	0.32	2.9	13.1	0.71	726	0.70	0.02
N833838		8.70	35.0	3.37	1.21	<0.05	0.15	0.01	0.030	0.33	2.5	17.3	1.08	808	0.71	0.02
N833839		18.70	86.9	3.01	1.42	<0.05	0.10	0.02	0.029	0.36	2.6	21.1	0.68	207	0.26	0.01
N833840		17.80	86.6	3.05	1.38	<0.05	0.10	0.02	0.031	0.35	2.6	19.3	0.69	213	0.26	0.01
N833841		30.8	32.1	3.67	2.19	<0.05	0.07	<0.01	0.028	0.39	1.5	23.9	0.59	71	0.16	0.02
N833842		32.9	27.1	3.40	2.23	<0.05	0.07	0.01	0.027	0.41	2.6	21.8	0.60	200	0.17	0.02
N833843		32.8	33.9	3.06	2.02	<0.05	0.09	<0.01	0.026	0.39	4.5	17.0	0.54	398	0.17	0.02
N833844		16.35	38.3	3.38	1.54	<0.05	0.11	<0.01	0.020	0.32	2.1	18.0	0.61	1140	0.22	0.02
N833845		18.65	31.6	3.34	1.60	<0.05	0.09	<0.01	0.022	0.34	3.1	15.2	0.63	923	0.21	0.02
N833846		1.70	71.6	2.89	1.14	<0.05	0.19	5.12	0.137	0.19	2.3	1.6	0.85	296	21.5	0.01
N833847		17.10	38.0	3.43	1.35	<0.05	0.07	0.02	0.025	0.29	1.6	15.9	0.53	224	0.29	0.02
N833848		10.75	18.1	4.04	1.63	<0.05	0.13	0.03	0.020	0.23	3.0	25.9	2.51	322	0.26	0.03
N833849		17.40	36.2	4.21	1.91	0.05	0.11	0.04	0.037	0.31	3.6	17.0	1.23	406	0.66	0.03
N833850		20.6	38.2	3.23	2.09	<0.05	0.09	0.04	0.035	0.31	4.4	19.5	0.89	417	0.59	0.04
N833851		9.27	38.7	3.68	1.36	<0.05	0.10	0.04	0.029	0.23	2.6	18.5	1.35	573	0.64	0.03
N833852		0.23	1.9	0.44	0.11	<0.05	<0.02	0.01	<0.005	0.02	0.5	0.9	11.80	209	0.12	0.02
N833853		12.80	18.5	2.02	0.97	<0.05	0.10	0.05	0.024	0.22	4.9	6.2	0.81	322	0.99	0.04
N833854		28.3	34.5	5.05	2.69	0.05	0.10	0.03	0.049	0.40	7.9	10.0	0.35	1320	0.41	0.02
N833855		38.3	36.3	4.49	2.99	0.06	0.11	0.04	0.046	0.43	8.8	8.5	0.14	906	0.43	0.01
N833856		42.8	29.7	4.25	2.50	0.06	0.11	0.03	0.050	0.41	7.6	7.4	0.24	883	0.28	0.01
N833857		30.6	17.7	3.75	1.71	0.05	0.13	0.03	0.048	0.37	6.1	4.3	0.80	1200	0.24	0.02
N833858		30.4	15.2	3.82	1.63	0.05	0.13	0.03	0.043	0.37	6.4	4.2	0.78	1140	0.26	0.02
N833859		35.1	28.3	4.42	2.57	0.05	0.10	0.04	0.046	0.48	5.9	7.9	0.88	1050	0.27	0.02
N833860		41.2	43.6	3.78	3.11	0.05	0.11	0.04	0.040	0.57	7.0	10.2	0.58	668	0.36	0.02
N833861		31.7	35.6	5.03	2.55	0.06	0.10	0.02	0.050	0.41	6.1	11.4	0.92	1490	0.25	0.02
N833862		25.0	47.0	5.35	1.84	0.05	0.09	0.01	0.054	0.36	5.1	8.2	1.08	1700	0.20	0.02
N833863		0.52	1.6	0.47	0.18	<0.05	<0.02	0.01	<0.005	0.03	0.5	1.2	11.80	210	0.08	0.01
N833864		22.0	23.2	3.64	1.45	<0.05	0.09	0.02	0.030	0.35	4.3	6.1	0.58	1010	0.26	0.01
N833865		0.33	6370	5.50	4.34	0.06	0.23	1.23	0.388	0.10	3.7	9.1	0.77	1620	19.65	0.06
N833866		25.4	29.7	3.97	1.62	<0.05	0.10	0.03	0.027	0.37	5.0	7.9	0.72	1130	0.27	0.01
N833867		27.2	23.4	4.46	2.04	0.05	0.09	0.03	0.033	0.41	5.7	7.4	2.39	3200	0.20	0.02
N833868		40.0	50.5	2.79	2.10	<0.05	0.12	0.02	0.028	0.50	3.4	8.8	1.09	936	0.20	0.01
N833869		37.2	33.8	3.85	2.36	<0.05	0.12	0.05	0.031	0.47	5.2	7.6	1.63	2220	0.32	0.01

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12155783**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833834		<0.05	23.5	90	22.1	13.5	<0.001	2.61	0.77	2.5	0.2	1.3	83.1	<0.01	0.03	1.7
N833835		<0.05	27.1	70	16.1	17.3	<0.001	0.83	0.45	4.0	<0.2	0.3	53.0	<0.01	0.07	1.8
N833836		<0.05	10.7	880	18.7	10.5	<0.001	0.68	0.30	2.6	<0.2	0.2	558	<0.01	0.02	3.1
N833837		<0.05	22.6	420	24.9	16.1	<0.001	0.68	0.42	3.4	<0.2	0.2	326	<0.01	0.05	2.5
N833838		<0.05	21.9	390	66.1	16.7	<0.001	0.23	0.26	3.9	<0.2	0.3	109.5	<0.01	0.06	2.5
N833839		<0.05	21.3	40	46.8	23.5	<0.001	0.04	0.21	4.8	<0.2	0.3	47.6	<0.01	0.06	2.1
N833840		<0.05	20.7	40	44.8	22.4	<0.001	0.04	0.18	4.8	<0.2	0.3	47.8	<0.01	0.08	2.2
N833841		<0.05	26.3	20	6.3	30.7	<0.001	0.02	0.07	4.7	<0.2	0.3	25.9	<0.01	0.06	1.9
N833842		<0.05	24.2	530	8.4	33.2	<0.001	0.02	0.16	4.6	<0.2	0.3	34.8	<0.01	0.06	2.2
N833843		<0.05	20.4	470	7.5	28.4	<0.001	0.02	0.11	4.0	<0.2	0.3	40.7	<0.01	0.04	2.7
N833844		<0.05	21.4	50	11.0	21.3	<0.001	0.03	0.08	3.3	<0.2	0.4	45.4	<0.01	0.04	1.9
N833845		<0.05	22.3	410	16.3	22.8	<0.001	0.09	0.09	3.6	<0.2	0.5	54.9	<0.01	0.08	2.4
N833846		0.05	70.5	830	19.4	13.2	0.036	2.01	11.80	2.8	4.7	2.1	29.6	<0.01	0.68	1.8
N833847		<0.05	24.6	420	15.5	19.7	<0.001	0.08	0.18	4.0	<0.2	0.4	50.7	<0.01	0.08	2.7
N833848		<0.05	24.3	1680	11.2	14.0	<0.001	0.22	0.24	4.2	1.6	0.4	490	0.01	0.02	2.2
N833849		<0.05	24.6	1460	16.2	18.6	<0.001	0.97	0.47	6.3	1.4	0.6	197.0	0.01	0.04	6.3
N833850		<0.05	25.0	1440	14.9	19.6	<0.001	0.30	0.37	7.0	1.1	0.4	201	0.01	0.03	6.7
N833851		<0.05	24.0	810	23.8	12.3	<0.001	0.37	0.37	5.5	1.2	0.5	399	0.01	0.05	4.1
N833852		0.07	2.4	190	2.2	1.1	<0.001	0.03	<0.05	0.4	0.2	<0.2	40.8	<0.01	0.01	<0.2
N833853		0.08	17.7	290	16.4	12.8	0.003	1.04	0.29	4.6	0.9	0.2	786	<0.01	0.07	4.0
N833854		0.12	21.4	350	21.2	24.5	<0.001	0.06	0.12	5.3	0.3	1.6	24.8	<0.01	0.01	9.1
N833855		0.09	35.8	290	26.8	30.5	<0.001	0.05	0.30	5.6	0.3	0.7	19.0	<0.01	0.01	8.8
N833856		0.06	27.5	340	22.2	29.6	<0.001	0.12	0.10	5.8	0.3	0.6	20.3	<0.01	0.01	8.7
N833857		0.05	16.7	230	23.6	23.3	<0.001	0.28	0.08	4.5	0.2	0.5	33.8	<0.01	0.01	7.7
N833858		0.05	16.9	210	40.6	23.4	<0.001	0.30	0.09	4.7	0.2	0.5	31.7	<0.01	0.01	7.5
N833859		0.06	28.1	300	23.8	30.6	<0.001	0.50	0.08	5.5	0.3	0.6	27.1	<0.01	0.01	7.5
N833860		0.05	34.4	310	20.7	36.5	<0.001	0.63	0.10	5.8	0.3	0.7	21.0	<0.01	0.02	8.3
N833861		0.09	21.5	250	17.8	26.7	<0.001	0.17	0.07	5.2	0.2	0.5	20.4	<0.01	0.01	8.1
N833862		0.08	15.9	200	32.9	21.3	<0.001	0.13	0.06	4.9	0.2	0.4	28.1	<0.01	0.01	7.7
N833863		<0.05	1.7	160	1.2	2.1	<0.001	0.02	<0.05	0.3	0.3	<0.2	44.8	0.01	<0.01	<0.2
N833864		<0.05	17.7	310	19.3	18.3	<0.001	0.29	0.14	4.0	0.4	1.1	24.9	0.01	0.01	8.2
N833865		0.19	25.2	440	>10000	3.2	0.008	2.42	439	4.0	1.9	1.5	25.7	0.01	1.26	1.0
N833866		<0.05	18.8	310	21.6	20.1	<0.001	0.19	0.14	4.4	0.8	0.5	35.7	0.01	0.01	8.0
N833867		<0.05	22.0	490	11.2	25.5	<0.001	0.24	0.10	4.9	1.2	0.4	74.2	0.01	0.02	5.7
N833868		<0.05	26.9	210	12.0	34.8	<0.001	0.19	0.17	5.1	0.2	0.5	40.8	0.01	0.04	4.5
N833869		<0.05	25.8	300	13.7	31.7	<0.001	0.41	0.13	5.2	0.9	0.5	54.2	0.01	0.04	6.0

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12155783**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
N833834		<0.005	0.99	0.40	9	0.18	3.90	49	5.0	
N833835		<0.005	0.39	0.36	12	0.05	3.08	59	4.1	
N833836		<0.005	0.34	1.35	7	<0.05	10.95	59	5.0	
N833837		<0.005	0.32	0.79	10	<0.05	9.11	84	4.6	
N833838		<0.005	0.32	0.69	11	<0.05	8.90	84	5.6	
N833839		<0.005	0.16	0.41	12	<0.05	4.33	75	3.7	
N833840		<0.005	0.15	0.43	12	<0.05	4.28	78	3.7	
N833841		<0.005	0.16	0.22	14	<0.05	3.15	76	2.2	
N833842		<0.005	0.17	0.33	14	<0.05	6.11	74	3.4	
N833843		<0.005	0.14	0.66	13	<0.05	6.68	59	3.9	
N833844		<0.005	0.11	0.45	12	<0.05	3.07	69	3.8	
N833845		<0.005	0.14	0.35	12	<0.05	5.75	65	3.5	
N833846		<0.005	2.40	1.78	62	2.34	6.73	143	7.1	
N833847		<0.005	0.12	0.39	11	<0.05	5.23	70	3.2	
N833848		<0.005	0.17	2.90	12	<0.05	21.6	50	7.2	
N833849		<0.005	0.33	0.99	15	<0.05	14.45	89	4.1	
N833850		<0.005	0.21	0.94	17	0.08	16.90	102	4.1	
N833851		<0.005	0.17	1.36	12	<0.05	13.30	89	4.4	
N833852		<0.005	<0.02	0.40	2	0.05	0.87	14	<0.5	
N833853		<0.005	0.38	3.18	8	<0.05	10.20	58	3.9	
N833854		<0.005	0.40	0.87	17	0.99	7.74	67	3.1	
N833855		<0.005	0.69	0.96	16	1.69	7.98	69	3.2	
N833856		<0.005	0.56	0.89	14	<0.05	9.17	105	3.3	
N833857		<0.005	0.44	0.68	10	0.08	8.13	112	3.6	
N833858		<0.005	0.42	0.67	10	0.21	7.76	96	3.7	
N833859		<0.005	0.59	0.72	14	<0.05	8.50	127	3.3	
N833860		<0.005	0.63	0.90	15	<0.05	8.36	68	3.5	
N833861		0.005	0.32	0.56	16	<0.05	6.67	49	2.8	
N833862		<0.005	0.18	0.45	13	<0.05	5.79	82	2.2	
N833863		<0.005	0.02	0.47	1	<0.05	0.86	14	<0.5	
N833864		<0.005	1.35	0.45	9	0.39	4.41	46	2.6	
N833865		0.085	0.22	0.67	41	0.23	6.00	5030	6.6	1.045
N833866		<0.005	0.31	0.58	10	0.09	5.61	43	3.1	
N833867		<0.005	0.29	0.61	11	<0.05	10.55	51	3.0	
N833868		<0.005	0.49	0.47	9	<0.05	6.74	40	3.6	
N833869		<0.005	0.51	0.56	12	<0.05	8.08	65	3.4	



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Project: Crag East

<b>CERTIFICATE OF ANALYSIS WH12155783</b>
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	<b>CERTIFICATE COMMENTS</b>
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Applies to Method:



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**CERTIFICATE WH12157369**

Project: Crag East  
 P.O. No.: Batch 3  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 8- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12157369**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N833762		4.09	0.004	0.19	1.51	>10000	<0.2	<10	30	2.16	0.03	15.00	4.65	3.23	56.5	23
N833763		1.63	0.006	0.36	0.47	>10000	<0.2	<10	20	0.82	0.05	4.59	3.99	1.71	46.8	20
N833764		3.69	0.001	0.15	0.13	318	<0.2	<10	50	0.25	0.02	20.0	1.24	1.76	9.6	10
N833765		8.24	0.001	0.12	0.08	534	<0.2	<10	240	0.10	0.02	17.55	0.33	2.48	4.1	9
N833766		6.43	0.002	0.44	0.16	40	<0.2	<10	370	0.15	0.04	10.15	0.54	3.43	4.7	16
N833767		<0.02	<0.001	0.41	0.19	34.1	<0.2	<10	370	0.17	0.04	8.89	0.48	3.34	4.8	16
N833768		8.74	0.002	0.12	0.03	8	<0.2	<10	290	0.08	0.01	21.1	0.30	1.48	0.9	6
N833769		4.10	0.002	0.08	0.05	20	<0.2	<10	120	0.08	0.02	14.65	0.27	2.29	1.1	6
N833770		5.10	0.001	0.16	0.14	38.2	<0.2	<10	130	0.17	0.06	2.82	0.17	1.63	2.6	22
N833771		4.61	0.002	0.04	0.04	10	<0.2	<10	190	0.12	0.02	19.80	0.75	2.65	1.7	6
N833772		0.26	3.89	1.39	0.35	680	<0.2	<10	40	0.30	4.32	2.15	1.78	4.88	7.7	20
N833773		4.21	0.004	0.07	0.10	14.3	<0.2	<10	70	0.10	0.02	7.20	0.21	1.70	2.0	17
N833774		5.77	<0.001	0.03	0.02	11	<0.2	<10	450	0.07	0.01	22.2	0.50	1.84	1.0	6
N833775		4.21	<0.001	0.05	0.12	15	<0.2	<10	240	0.15	0.02	13.30	0.38	3.33	2.4	15
N833776		1.29	0.001	0.07	0.91	21.5	<0.2	30	280	1.18	0.38	0.24	0.10	31.8	22.3	17
N833777		4.25	0.002	0.08	0.79	60.0	<0.2	30	100	0.87	0.55	0.17	0.03	18.15	13.0	11
N833778		8.08	0.001	0.05	0.75	176.5	<0.2	30	120	1.50	0.48	0.13	0.07	10.75	19.9	10
N833779		4.52	<0.001	0.05	0.79	140.0	<0.2	30	170	1.67	0.33	1.29	0.02	14.85	30.3	8
N833780		6.19	<0.001	<0.01	0.05	2	<0.2	<10	10	0.08	0.02	19.65	0.05	1.34	1.4	1
N833781		5.58	<0.001	0.01	0.82	21.1	<0.2	30	680	1.26	0.32	0.81	0.01	18.45	13.0	18
N833782		6.54	<0.001	0.01	0.96	17.4	<0.2	30	370	1.25	0.37	0.55	0.01	17.50	11.6	21
N833783		8.26	<0.001	0.01	0.99	15.3	<0.2	30	380	1.10	0.32	0.53	<0.01	17.45	9.3	20
N833784		11.01	<0.001	0.01	0.75	11.8	<0.2	30	1270	0.87	0.29	1.25	0.01	17.45	8.0	16
N833785		9.15	<0.001	0.01	0.71	16.5	<0.2	20	830	0.87	0.22	2.83	0.01	14.55	10.2	13
N833786		9.76	0.001	0.03	0.88	50	<0.2	30	640	0.91	0.19	16.55	0.06	9.23	16.0	9
N833787		1.88	0.001	0.01	0.96	11.2	<0.2	30	1030	1.21	0.19	2.85	0.01	8.39	10.0	15
N833788		0.68	0.001	0.01	0.94	10.3	<0.2	30	1340	1.11	0.19	3.95	0.02	7.88	9.5	15
N833789		9.55	<0.001	0.01	0.83	18.2	<0.2	30	370	1.18	0.21	1.98	0.01	9.35	9.0	16
N833790		3.72	0.003	0.11	0.52	194.5	<0.2	20	350	0.94	0.32	5.05	0.11	6.87	30.8	6
N833791		11.72	0.001	0.03	0.79	21.7	<0.2	30	470	1.27	0.23	3.22	0.03	18.45	14.2	11
N833792		2.07	0.002	0.10	0.75	36.8	<0.2	30	310	1.12	0.30	7.00	0.07	16.80	16.0	10
N833793		0.26	0.253	>100	1.34	253	0.2	<10	90	0.24	5.13	0.68	22.8	8.92	11.1	32
N833794		5.01	0.001	0.02	0.85	27.1	<0.2	30	260	1.25	0.29	1.16	0.01	9.93	11.5	19
N833795		10.46	0.001	0.01	0.70	23.5	<0.2	20	360	1.26	0.30	0.54	<0.01	8.30	9.4	20
N833796		4.43	0.002	<0.01	0.06	3	<0.2	<10	20	0.08	0.02	20.4	0.05	1.39	1.4	2
N833797		9.80	<0.001	0.01	0.62	270	<0.2	20	270	0.94	0.33	1.99	0.01	11.10	11.9	8

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



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**CERTIFICATE OF ANALYSIS WH12157369**

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833762		14.10	10.8	22.5	1.18	0.30	0.12	3.10	0.019	0.06	2.9	7.5	0.13	2380	3.22	0.02
N833763		19.65	15.3	32.9	1.45	0.45	0.12	1.80	0.027	0.04	2.0	4.2	0.04	1240	5.90	0.01
N833764		0.49	5.0	0.98	0.46	<0.05	0.06	1.20	0.005	0.02	2.3	1.0	0.93	1200	1.44	0.01
N833765		0.62	5.9	0.72	0.27	<0.05	0.05	0.37	<0.005	0.02	4.5	0.7	0.88	161	1.76	0.01
N833766		1.14	15.6	0.46	0.63	<0.05	0.07	0.51	0.006	0.05	5.2	1.4	1.21	104	1.31	0.01
N833767		1.16	16.7	0.49	0.71	<0.05	0.07	0.53	0.006	0.06	5.0	1.5	1.21	95	1.20	0.01
N833768		0.16	5.2	0.19	0.13	<0.05	0.02	0.15	<0.005	0.01	3.6	0.3	0.52	116	0.32	0.01
N833769		0.26	5.8	0.27	0.16	<0.05	0.02	0.16	<0.005	0.02	3.5	0.4	0.57	116	0.40	0.01
N833770		0.92	24.7	0.56	0.65	<0.05	0.05	0.31	0.009	0.04	1.5	1.2	0.68	61	0.41	<0.01
N833771		0.25	5.7	0.33	0.21	<0.05	0.03	0.29	<0.005	0.01	6.0	0.5	0.82	129	0.32	0.01
N833772		1.69	76.3	2.94	1.28	0.07	0.19	4.92	0.150	0.19	2.7	1.8	0.90	310	27.7	0.01
N833773		0.61	11.7	0.53	0.34	<0.05	0.04	0.31	<0.005	0.03	3.0	0.7	0.92	107	0.33	0.02
N833774		0.14	3.3	0.25	0.11	<0.05	0.02	0.16	<0.005	0.01	4.4	0.2	0.44	131	0.34	0.02
N833775		0.91	9.7	0.46	0.39	<0.05	0.04	0.27	0.005	0.04	6.4	0.8	0.87	106	0.30	0.02
N833776		31.4	35.8	6.22	3.59	0.12	0.10	0.09	0.069	0.48	13.5	19.0	0.15	2150	0.87	0.01
N833777		53.7	41.7	4.04	2.79	0.08	0.09	0.18	0.043	0.45	8.2	11.4	0.10	580	0.47	0.01
N833778		38.7	45.4	4.43	2.26	0.08	0.10	0.40	0.054	0.47	4.8	6.5	0.09	990	0.81	0.01
N833779		46.6	168.5	2.88	2.54	0.07	0.13	0.17	0.036	0.52	6.3	7.9	0.24	1160	1.42	0.01
N833780		0.65	2.0	0.45	0.17	<0.05	<0.02	0.01	0.005	0.03	0.7	1.1	12.20	213	0.11	0.02
N833781		42.6	19.8	3.73	2.53	0.08	0.13	0.10	0.029	0.50	7.4	5.8	0.20	673	0.23	0.01
N833782		59.5	5.9	3.74	2.98	0.08	0.13	0.09	0.027	0.58	7.1	4.4	0.25	585	0.21	0.02
N833783		61.0	3.1	3.49	3.01	0.08	0.13	0.07	0.028	0.61	7.1	4.1	0.36	661	0.17	0.02
N833784		35.7	2.1	2.96	2.17	0.07	0.12	0.08	0.026	0.48	6.6	2.8	0.54	911	0.19	0.02
N833785		23.6	4.4	2.79	1.95	0.06	0.12	0.61	0.025	0.46	5.2	2.3	1.13	1250	0.20	0.02
N833786		24.8	56.0	1.94	2.22	0.06	0.10	0.42	0.023	0.56	4.3	5.2	1.23	1940	0.38	0.02
N833787		60.9	7.2	2.99	2.84	0.06	0.13	0.06	0.031	0.63	3.7	4.6	0.75	708	0.14	0.02
N833788		61.3	5.8	2.88	2.76	0.06	0.13	0.06	0.031	0.61	3.4	4.4	0.71	742	0.14	0.02
N833789		66.9	10.0	3.29	2.57	0.08	0.14	0.09	0.030	0.56	3.9	4.7	0.67	599	0.18	0.02
N833790		27.2	96.8	2.97	1.42	0.07	0.15	0.10	0.032	0.37	2.3	5.6	1.48	1560	2.34	0.02
N833791		57.9	66.7	2.63	2.56	0.09	0.12	0.07	0.030	0.53	7.1	5.4	0.55	566	0.21	0.02
N833792		57.6	401	2.80	2.23	0.09	0.14	0.06	0.040	0.50	5.6	3.8	0.73	788	0.34	0.02
N833793		0.37	6320	5.53	4.20	0.13	0.23	1.15	0.401	0.10	4.6	9.9	0.83	1680	22.1	0.07
N833794		54.1	56.7	3.65	2.51	0.07	0.15	0.07	0.028	0.55	3.8	3.8	0.39	271	0.23	0.02
N833795		40.4	5.0	3.75	2.11	0.07	0.13	0.14	0.025	0.47	3.3	3.4	0.29	198	0.19	0.01
N833796		0.83	1.8	0.49	0.20	<0.05	<0.02	0.02	<0.005	0.04	0.7	1.5	12.80	222	0.12	0.02
N833797		28.5	13.7	2.78	1.75	0.06	0.09	0.21	0.027	0.41	3.8	7.6	0.77	324	0.22	0.02

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**CERTIFICATE OF ANALYSIS WH12157369**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833762		0.32	290	340	3.0	3.7	0.058	>10.0	29.9	9.0	3.9	0.8	22.6	0.01	0.03	0.4
N833763		0.41	257	150	4.9	3.4	0.110	>10.0	45.4	4.6	4.9	0.8	11.8	0.01	0.06	0.3
N833764		0.11	43.3	160	2.7	1.6	0.121	0.52	1.04	4.1	1.3	0.2	118.5	<0.01	0.02	0.3
N833765		0.10	20.1	220	1.9	1.2	0.038	0.65	1.08	1.4	1.0	0.5	156.0	<0.01	0.01	0.3
N833766		0.05	21.3	500	3.0	3.8	0.029	0.25	0.46	2.1	3.8	0.9	88.2	<0.01	0.02	0.6
N833767		0.05	22.9	500	3.4	4.3	0.030	0.28	0.62	2.1	3.9	1.0	81.5	<0.01	0.03	0.6
N833768		0.10	4.5	170	1.2	0.6	0.001	0.22	0.14	0.8	0.8	0.4	148.0	<0.01	0.01	0.2
N833769		0.06	6.0	230	1.5	0.9	0.001	0.28	0.33	0.9	0.4	0.4	101.5	<0.01	0.01	0.3
N833770		<0.05	11.5	180	2.3	3.3	0.001	0.22	0.77	2.7	0.4	2.0	37.7	<0.01	0.03	0.5
N833771		0.13	7.4	160	2.0	1.1	0.001	0.17	0.28	1.3	0.4	0.2	137.5	<0.01	0.02	0.3
N833772		0.07	73.0	860	19.2	14.2	0.040	2.05	8.97	3.3	6.8	2.1	33.6	<0.01	0.71	2.1
N833773		0.05	7.5	240	1.6	2.2	<0.001	0.06	0.57	1.4	0.3	0.8	59.3	<0.01	0.02	0.3
N833774		0.17	5.0	120	1.3	0.4	0.001	0.07	0.22	0.5	0.4	<0.2	131.0	<0.01	0.03	<0.2
N833775		0.10	8.2	330	2.2	2.7	0.001	0.09	0.77	1.6	0.4	0.3	91.5	<0.01	0.03	0.5
N833776		0.14	35.0	230	41.6	27.7	0.001	0.02	0.27	8.0	0.5	0.9	32.8	<0.01	0.01	10.5
N833777		0.07	22.4	110	54.7	31.4	0.001	0.05	0.17	5.8	0.3	0.7	24.2	<0.01	0.01	6.7
N833778		0.06	30.6	140	44.6	29.2	0.001	0.05	1.28	7.0	0.4	0.7	29.4	<0.01	0.02	4.6
N833779		0.05	42.1	140	20.2	35.9	<0.001	0.06	0.46	6.8	0.3	0.6	26.9	<0.01	0.04	4.7
N833780		0.19	3.4	180	1.2	1.9	0.001	0.01	<0.05	0.5	0.3	<0.2	41.8	<0.01	0.02	<0.2
N833781		0.10	30.2	230	10.4	39.1	<0.001	0.02	0.30	6.4	0.3	0.7	24.6	<0.01	0.04	7.3
N833782		0.12	24.7	160	10.6	50.1	<0.001	0.01	0.31	5.8	0.3	0.7	26.1	<0.01	0.07	6.9
N833783		0.10	16.1	160	8.8	50.5	<0.001	0.01	0.24	5.6	0.2	0.7	31.9	<0.01	0.05	6.6
N833784		0.09	10.2	170	7.9	35.7	<0.001	0.03	0.24	5.3	0.3	0.6	54.5	<0.01	0.07	5.2
N833785		0.08	9.0	250	7.8	30.0	<0.001	0.05	0.26	5.3	0.3	0.7	64.0	<0.01	0.04	4.6
N833786		0.15	17.4	150	12.0	28.7	0.001	0.10	0.23	4.8	0.5	0.4	198.0	<0.01	0.04	2.5
N833787		0.07	17.4	130	7.2	49.8	<0.001	0.03	0.15	6.5	0.3	0.7	51.2	<0.01	0.02	4.3
N833788		0.08	16.1	160	7.3	48.2	<0.001	0.04	0.17	6.4	0.3	0.7	60.8	<0.01	0.02	4.0
N833789		0.09	20.0	200	8.2	48.1	<0.001	0.01	0.25	6.6	0.3	0.7	42.6	<0.01	0.03	4.7
N833790		0.07	32.8	260	109.0	20.8	0.003	0.26	0.49	6.1	0.7	0.6	106.5	<0.01	0.03	3.3
N833791		0.08	21.8	220	8.6	43.8	<0.001	0.03	0.15	6.7	0.4	0.6	63.1	<0.01	0.03	4.9
N833792		0.09	17.3	580	11.4	35.3	0.001	0.03	0.18	8.2	0.6	0.6	111.0	<0.01	0.06	5.3
N833793		0.24	26.5	440	>10000	3.5	0.011	2.45	426	3.9	2.0	1.5	26.2	<0.01	1.05	0.9
N833794		0.10	21.6	220	16.6	39.7	<0.001	0.01	0.38	6.1	0.3	0.9	44.9	<0.01	0.05	5.9
N833795		0.10	20.2	180	13.8	32.8	<0.001	0.01	0.37	5.3	0.3	0.7	40.5	<0.01	0.06	5.0
N833796		0.24	3.7	190	1.3	2.7	0.001	0.02	<0.05	0.5	0.3	<0.2	42.1	<0.01	0.03	<0.2
N833797		0.05	16.0	280	8.7	25.0	<0.001	0.03	0.37	5.4	0.2	0.5	77.3	<0.01	0.04	3.7

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**CERTIFICATE OF ANALYSIS WH12157369**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.01
N833762		<0.005	3.98	9.74	161	0.22	54.4	2320	8.3			2.20
N833763		<0.005	2.02	3.81	65	0.30	34.9	1850	5.6			3.72
N833764		<0.005	0.20	5.87	33	<0.05	17.00	201	3.6			
N833765		<0.005	0.19	4.43	13	<0.05	12.20	56	2.0			
N833766		<0.005	0.10	3.61	24	<0.05	16.50	49	2.4			
N833767		<0.005	0.11	3.53	26	<0.05	15.20	46	2.4			
N833768		<0.005	0.02	1.35	9	<0.05	10.15	14	0.9			
N833769		<0.005	0.03	1.73	9	<0.05	8.55	24	0.9			
N833770		<0.005	0.04	0.47	16	0.21	6.68	34	1.6			
N833771		<0.005	0.02	1.65	8	<0.05	14.95	23	1.2			
N833772		<0.005	2.13	1.92	64	2.56	7.30	143	8.4			
N833773		<0.005	0.03	1.22	12	0.05	7.81	36	1.2			
N833774		<0.005	<0.02	2.26	7	<0.05	7.01	29	0.6			
N833775		<0.005	0.03	1.31	14	<0.05	10.75	35	1.2			
N833776		<0.005	0.84	1.22	20	0.05	9.22	158	2.8			
N833777		<0.005	1.00	0.64	14	<0.05	5.77	88	2.6			
N833778		<0.005	0.91	0.59	12	0.11	5.58	139	2.8			
N833779		<0.005	0.67	0.47	12	0.05	8.61	42	2.9			
N833780		<0.005	0.02	0.49	2	<0.05	0.85	12	<0.5			
N833781		0.021	0.48	0.57	22	0.11	6.06	43	3.0			
N833782		0.028	0.39	0.63	48	0.11	4.65	37	3.3			
N833783		0.027	0.33	0.45	15	0.10	4.42	31	3.2			
N833784		0.021	0.24	0.42	15	0.10	4.90	24	3.4			
N833785		0.014	0.33	0.36	13	0.14	5.46	28	3.5			
N833786		<0.005	0.49	1.36	14	0.05	9.72	47	2.8			
N833787		0.014	0.49	0.44	19	0.06	6.76	35	3.1			
N833788		0.014	0.42	0.49	19	0.05	6.90	33	2.9			
N833789		0.022	0.42	0.42	20	0.07	6.03	34	3.5			
N833790		<0.005	0.62	1.35	13	0.09	10.25	109	4.9			
N833791		0.013	0.46	0.59	16	<0.05	7.09	33	3.4			
N833792		0.015	0.29	0.78	28	0.05	13.55	31	3.5			
N833793		0.094	0.21	0.64	43	0.25	6.47	5050	7.2	100	1.030	
N833794		0.030	0.32	0.52	28	0.10	5.64	43	4.0			
N833795		0.028	0.33	0.49	24	0.12	4.43	27	3.6			
N833796		<0.005	0.02	0.66	2	0.05	0.88	12	<0.5			
N833797		<0.005	0.38	0.46	11	0.10	5.27	28	3.2			

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**CERTIFICATE COMMENTS**

Applies to Method:



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To: **STRATEGIC METALS LTD.**

**C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8**

**Page: 1  
 Finalized Date: 31- JUL- 2012  
 This copy reported on  
 19- JUN- 2013  
 Account: MTT**

**CERTIFICATE WH12158544**

Project: Crag East  
 P.O. No.: Batch 1  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

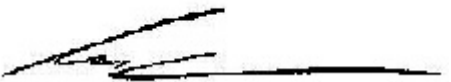
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12158544**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
N833690		5.72	0.016	0.58	0.81	93.2	<0.2	10	80	0.94	0.37	0.34	0.84	2.71	17.0	19
N833691		3.97	0.009	0.68	0.70	63.4	<0.2	10	90	0.84	0.28	0.32	0.55	2.51	13.1	20
N833692		4.29	0.007	0.47	0.77	91.7	<0.2	10	90	0.89	0.27	0.18	0.45	2.26	11.6	18
N833693		3.73	0.007	0.51	0.78	41.5	<0.2	10	80	0.89	0.26	0.20	0.32	2.18	10.6	20
N833694		4.76	0.011	0.57	0.67	52.0	<0.2	10	70	0.85	0.28	0.20	0.71	2.19	11.7	21
N833695		3.47	0.006	0.84	0.62	22.7	<0.2	10	90	0.82	0.27	0.17	0.31	1.91	9.4	19
N833696		3.65	0.005	0.46	0.53	21.6	<0.2	10	100	0.77	0.22	0.17	0.81	1.78	9.0	18
N833697		7.69	0.006	0.52	0.48	23.3	<0.2	10	110	0.72	0.23	0.13	0.23	2.14	8.9	15
N833698		6.34	0.005	0.47	0.53	39.1	<0.2	10	50	0.72	0.22	0.10	0.47	4.16	9.7	21
N833699		0.26	0.267	>100	1.29	244	<0.2	<10	90	0.22	5.60	0.65	23.1	9.00	11.5	31
N833700		3.04	0.007	0.38	0.44	28.6	<0.2	10	80	0.52	0.21	0.05	0.39	3.09	13.0	13
N833701		8.83	0.006	0.46	0.39	28.5	<0.2	10	80	0.57	0.25	0.06	0.61	2.59	16.2	12
N833702		6.71	0.005	0.51	0.57	27.5	<0.2	10	70	0.81	0.23	0.10	0.27	3.35	8.9	25
N833703		4.65	0.004	0.52	0.50	26.7	<0.2	10	80	0.79	0.23	0.08	0.30	2.44	7.6	23
N833704		4.38	0.005	0.43	0.51	19.3	<0.2	10	120	0.58	0.20	0.06	0.11	1.57	6.3	15
N833705		2.73	0.005	0.41	0.40	18.7	<0.2	10	120	0.52	0.20	0.08	0.13	1.44	6.5	13
N833706		3.84	0.004	0.56	0.48	19.3	<0.2	10	130	0.53	0.22	0.07	0.27	1.46	6.9	14
N833707		5.38	0.005	0.39	0.45	21.8	<0.2	10	110	0.46	0.25	0.12	0.30	1.50	8.6	14
N833708		<0.02	0.006	0.39	0.59	21.5	<0.2	10	120	0.51	0.24	0.12	0.27	1.76	8.7	17
N833709		3.87	0.006	0.41	0.60	27.6	<0.2	10	110	0.58	0.26	0.20	1.90	1.95	9.8	18
N833710		7.65	0.004	0.42	0.51	25.1	<0.2	10	90	0.50	0.24	0.18	2.65	1.55	8.8	19
N833711		8.03	0.005	0.44	0.49	24.8	<0.2	10	110	0.60	0.23	0.20	1.04	1.53	9.0	16
N833712		4.80	0.001	0.01	0.05	4	<0.2	<10	10	<0.05	0.02	19.20	0.06	0.95	1.1	1
N833713		8.48	0.006	0.37	0.51	34.6	<0.2	10	90	0.64	0.26	0.24	1.35	1.68	12.6	16
N833714		8.03	0.007	0.44	0.38	44.4	<0.2	10	80	0.40	0.25	0.10	2.00	1.62	13.8	9
N833715		5.17	0.007	0.34	0.42	35.0	<0.2	10	80	0.43	0.26	0.10	1.37	1.77	15.6	9
N833716		6.58	0.006	0.28	0.40	27.5	<0.2	10	90	0.54	0.20	0.12	1.29	1.67	13.6	10
N833717		8.54	0.004	0.25	0.30	26.8	<0.2	<10	30	0.36	0.16	0.06	1.08	1.50	11.2	10
N833718		8.17	0.005	0.26	0.36	25.8	<0.2	10	60	0.44	0.20	0.08	1.64	1.48	11.9	9
N833719		8.58	0.025	0.29	0.46	44.1	<0.2	10	70	0.68	0.24	0.67	2.00	2.30	14.6	10
N833720		0.26	0.263	>100	1.25	242	0.2	<10	90	0.19	5.36	0.62	23.5	8.17	10.2	30
N833721		3.77	0.006	0.37	0.56	30.4	<0.2	10	110	0.84	0.26	0.26	1.05	1.88	11.5	14
N833722		2.54	0.005	0.36	0.56	32.3	<0.2	10	110	0.85	0.27	0.27	1.03	1.93	11.7	15
N833723		7.95	0.005	0.38	0.56	25.5	<0.2	10	110	0.75	0.25	0.22	1.71	1.75	11.6	16
N833724		3.40	<0.001	0.01	0.06	3	<0.2	<10	20	0.05	0.03	19.30	0.05	0.96	1.1	3
N833725		8.00	0.005	0.41	0.50	17.9	<0.2	10	120	0.73	0.21	0.20	2.04	1.57	8.2	13



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158544**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833690		6.13	90.9	4.09	2.31	0.09	0.22	1.59	0.060	0.17	1.3	8.9	0.08	82	32.9	0.01
N833691		6.27	62.3	2.84	2.12	0.07	0.19	1.22	0.039	0.19	1.3	5.9	0.05	55	22.4	0.01
N833692		6.41	55.1	2.90	2.19	0.07	0.21	1.21	0.037	0.19	1.3	7.3	0.02	46	19.85	0.01
N833693		6.21	56.8	2.67	2.36	0.06	0.17	1.25	0.034	0.22	1.2	5.9	0.02	37	23.0	0.01
N833694		6.68	60.6	2.99	2.09	0.08	0.20	1.42	0.039	0.18	1.2	5.2	0.02	40	26.6	0.01
N833695		6.82	54.9	2.71	2.00	0.06	0.17	1.74	0.034	0.19	1.1	4.6	0.02	40	21.1	0.01
N833696		5.94	57.2	2.46	1.83	0.06	0.15	1.83	0.039	0.16	1.0	3.9	0.02	52	14.20	0.01
N833697		5.33	48.3	2.10	1.90	0.05	0.12	2.25	0.029	0.15	1.2	4.0	0.02	28	12.90	0.01
N833698		4.60	48.1	2.29	2.44	0.06	0.11	3.31	0.033	0.15	2.4	4.3	0.02	27	11.00	0.01
N833699		0.33	6420	5.52	4.35	0.11	0.25	1.18	0.433	0.10	4.2	10.2	0.78	1620	22.3	0.06
N833700		3.92	57.6	2.84	1.73	0.06	0.14	6.27	0.018	0.13	1.7	4.0	0.01	33	24.1	<0.01
N833701		4.53	68.0	2.62	1.48	0.06	0.17	6.73	0.021	0.13	1.4	4.2	0.01	37	32.3	<0.01
N833702		5.80	58.3	2.92	2.19	0.07	0.13	2.30	0.042	0.19	1.9	5.7	0.03	26	16.95	0.01
N833703		5.67	55.2	2.58	2.04	0.06	0.12	1.62	0.042	0.17	1.4	4.6	0.02	21	11.35	0.01
N833704		5.41	43.7	1.86	1.90	0.05	0.11	1.43	0.023	0.17	1.0	5.0	0.02	19	11.30	0.01
N833705		5.80	50.5	1.87	1.73	<0.05	0.10	1.44	0.022	0.14	0.8	3.3	0.02	17	11.05	<0.01
N833706		6.09	52.0	2.01	1.92	0.05	0.11	1.36	0.028	0.17	0.9	3.7	0.02	23	11.30	0.01
N833707		6.88	92.7	2.32	1.97	0.05	0.16	1.40	0.040	0.16	0.8	3.6	0.02	31	18.05	0.01
N833708		6.76	84.6	2.34	2.32	0.06	0.17	1.36	0.038	0.20	1.0	4.4	0.02	34	17.65	0.01
N833709		7.07	72.1	2.59	2.19	0.06	0.18	1.44	0.047	0.19	1.1	4.6	0.02	61	19.75	0.01
N833710		6.82	73.2	3.26	1.79	0.06	0.14	2.68	0.045	0.17	0.9	4.5	0.02	101	17.00	0.01
N833711		6.64	43.5	2.66	1.65	0.06	0.16	5.48	0.038	0.16	0.9	3.7	0.02	104	18.30	0.01
N833712		0.28	2.2	0.46	0.15	<0.05	<0.02	0.02	<0.005	0.02	0.5	1.0	11.70	205	0.13	0.01
N833713		6.31	48.3	3.30	1.70	0.06	0.19	5.82	0.050	0.17	0.9	3.1	0.04	141	20.9	0.01
N833714		5.02	58.5	3.21	1.17	0.06	0.19	5.90	0.049	0.12	0.8	3.4	0.02	87	35.9	<0.01
N833715		5.09	58.9	3.61	1.20	0.07	0.23	4.06	0.046	0.13	0.8	4.2	0.01	136	40.9	<0.01
N833716		4.50	50.4	3.17	1.20	0.06	0.24	2.81	0.034	0.12	0.8	6.0	0.04	119	32.4	<0.01
N833717		3.67	41.4	5.75	0.88	0.08	0.24	2.61	0.026	0.09	0.7	6.0	0.01	43	30.4	<0.01
N833718		4.95	48.5	2.91	1.06	0.05	0.22	2.20	0.034	0.12	0.7	4.5	0.02	84	33.0	<0.01
N833719		6.49	57.0	3.54	1.17	0.08	0.25	2.39	0.046	0.14	1.1	8.0	0.11	136	36.3	0.01
N833720		0.34	6340	5.36	3.91	0.11	0.23	1.22	0.393	0.10	3.8	10.0	0.75	1580	20.1	0.05
N833721		8.48	50.6	2.74	1.63	0.06	0.19	1.84	0.043	0.20	1.0	6.1	0.03	64	21.4	0.01
N833722		8.71	51.4	2.89	1.64	0.06	0.20	1.86	0.045	0.20	1.1	6.2	0.03	71	22.3	0.01
N833723		7.23	46.0	3.10	1.55	0.06	0.17	1.76	0.039	0.17	1.0	8.9	0.02	119	17.45	<0.01
N833724		1.25	1.6	0.45	0.19	<0.05	<0.02	0.01	<0.005	0.04	0.5	1.5	11.75	201	0.36	0.01
N833725		7.14	41.7	2.15	1.59	0.05	0.12	2.12	0.037	0.18	0.9	7.7	0.04	72	12.45	0.01



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833690		0.08	151.5	890	23.6	12.7	0.031	4.04	2.09	4.7	7.1	1.5	56.7	<0.01	0.18	1.0
N833691		0.06	99.8	830	18.9	14.0	0.015	2.92	1.85	6.0	5.7	1.7	75.1	<0.01	0.10	0.9
N833692		0.06	94.0	780	17.9	14.6	0.016	3.10	1.72	4.9	4.7	1.5	64.6	<0.01	0.10	0.8
N833693		0.05	88.4	780	16.7	16.2	0.018	2.83	1.60	4.2	4.8	1.2	60.6	<0.01	0.09	0.7
N833694		0.06	94.1	770	17.9	14.8	0.020	3.21	1.87	6.8	6.0	1.1	62.2	<0.01	0.11	0.8
N833695		0.06	67.9	640	16.0	15.5	0.014	2.88	2.04	4.7	5.0	1.3	55.5	<0.01	0.09	0.7
N833696		0.05	67.1	620	13.7	13.4	0.009	2.43	2.16	6.0	4.2	1.0	49.7	<0.01	0.08	0.7
N833697		0.05	58.0	500	13.9	13.0	0.007	2.16	2.10	2.7	4.2	0.9	59.0	<0.01	0.08	0.6
N833698		<0.05	54.9	400	13.9	11.9	0.007	2.40	1.95	4.9	4.9	0.9	74.3	<0.01	0.07	0.6
N833699		0.28	26.4	430	>10000	3.8	0.011	2.35	405	4.5	1.9	1.5	28.0	<0.01	1.03	1.0
N833700		<0.05	73.5	180	14.7	9.3	0.015	2.93	1.79	2.0	5.3	2.1	45.7	<0.01	0.12	0.5
N833701		<0.05	86.3	190	15.8	9.2	0.020	2.73	1.72	2.0	6.1	1.4	39.4	<0.01	0.16	0.6
N833702		0.05	66.1	380	14.9	13.8	0.016	3.05	2.02	5.0	6.2	1.3	59.7	<0.01	0.10	0.6
N833703		0.05	54.3	240	14.7	13.3	0.009	2.68	2.22	4.5	5.7	1.2	36.4	<0.01	0.09	0.6
N833704		0.05	49.4	200	12.0	12.2	0.008	1.88	2.21	2.9	3.8	0.9	32.2	<0.01	0.08	0.5
N833705		<0.05	49.4	200	11.5	11.5	0.008	1.91	2.08	3.9	3.7	1.6	28.7	<0.01	0.07	0.5
N833706		0.05	51.0	170	12.4	12.3	0.007	2.07	2.13	2.5	3.8	0.7	24.1	<0.01	0.08	0.5
N833707		0.06	62.2	390	14.4	12.5	0.010	2.48	2.01	2.6	3.9	0.8	32.4	<0.01	0.09	0.6
N833708		0.05	62.2	380	14.1	14.4	0.010	2.46	1.98	2.7	3.9	0.8	33.7	<0.01	0.09	0.6
N833709		0.06	70.6	730	15.1	14.3	0.013	2.61	2.18	3.5	4.3	0.7	48.3	<0.01	0.10	0.8
N833710		0.06	66.7	670	14.0	12.8	0.009	2.95	2.62	6.6	4.6	0.9	51.3	<0.01	0.10	0.7
N833711		0.05	71.5	690	14.1	12.5	0.011	2.53	2.43	2.9	4.5	0.8	44.4	<0.01	0.10	0.6
N833712		0.12	3.7	160	1.1	1.5	<0.001	0.02	<0.05	0.4	0.3	<0.2	42.5	<0.01	0.01	<0.2
N833713		0.05	89.1	710	16.7	12.6	0.014	3.04	2.27	3.9	4.9	0.7	53.4	<0.01	0.11	0.6
N833714		<0.05	102.0	290	13.9	8.6	0.045	3.24	1.91	1.9	8.5	0.7	20.3	<0.01	0.21	0.7
N833715		<0.05	118.5	300	14.8	8.8	0.044	3.48	1.78	3.7	8.8	0.9	21.4	<0.01	0.23	0.8
N833716		<0.05	95.8	180	12.6	7.6	0.027	2.92	1.66	4.4	6.0	1.0	17.6	<0.01	0.14	0.8
N833717		0.06	57.5	210	11.9	6.0	0.017	6.34	1.89	1.6	5.2	0.9	17.1	<0.01	0.12	0.7
N833718		<0.05	85.3	150	12.6	8.1	0.025	2.80	1.58	2.4	5.6	0.8	13.7	<0.01	0.11	0.9
N833719		0.05	134.0	330	14.7	9.7	0.071	3.46	1.50	6.0	7.8	1.1	36.3	<0.01	0.16	1.2
N833720		0.24	23.1	430	9840	3.1	0.009	2.29	395	3.8	1.8	1.5	24.3	<0.01	1.11	1.0
N833721		<0.05	84.6	810	17.9	14.1	0.014	2.86	2.27	3.1	5.0	0.6	46.2	<0.01	0.11	0.8
N833722		0.05	86.2	820	17.6	14.4	0.015	3.01	2.42	3.0	5.2	0.7	47.9	<0.01	0.12	0.8
N833723		<0.05	73.2	700	15.4	11.9	0.012	2.74	2.16	3.5	4.2	1.2	68.0	<0.01	0.11	0.8
N833724		0.17	2.8	170	1.3	4.1	<0.001	0.03	0.05	0.4	0.2	<0.2	44.5	<0.01	0.01	<0.2
N833725		<0.05	57.6	560	12.3	12.6	0.007	2.01	2.40	1.9	3.8	0.7	41.8	<0.01	0.09	0.6



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158544**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001
N833690		<0.005	2.34	1.81	102	0.40	13.90	172	9.3		
N833691		<0.005	1.26	1.36	92	1.16	12.70	134	8.3		
N833692		<0.005	1.14	1.42	91	0.16	10.20	141	8.4		
N833693		<0.005	1.18	1.23	101	0.12	10.30	93	7.8		
N833694		<0.005	1.32	1.73	100	0.15	11.60	205	8.9		
N833695		<0.005	1.37	1.17	89	0.60	9.38	92	7.1		
N833696		<0.005	1.27	1.06	89	0.13	9.01	210	5.7		
N833697		<0.005	1.42	0.67	78	0.10	6.84	88	5.0		
N833698		<0.005	1.36	0.64	94	0.10	6.46	312	4.6		
N833699		0.091	0.22	0.64	42	0.23	6.76	5080	7.2	98	0.985
N833700		<0.005	1.88	1.13	55	0.14	6.64	95	5.5		
N833701		<0.005	2.02	1.60	42	0.25	8.65	88	6.6		
N833702		<0.005	1.61	0.89	84	0.14	8.70	116	5.4		
N833703		<0.005	1.32	0.67	75	0.13	10.45	222	4.9		
N833704		<0.005	1.21	0.52	65	0.12	5.14	68	4.4		
N833705		<0.005	1.13	0.50	53	0.11	4.76	56	4.0		
N833706		<0.005	1.23	0.60	63	0.52	6.62	146	4.6		
N833707		<0.005	1.50	1.17	61	0.14	8.98	106	6.8		
N833708		<0.005	1.46	1.18	74	0.14	8.71	102	7.1		
N833709		<0.005	1.95	1.72	86	0.15	11.10	381	7.5		
N833710		<0.005	1.98	1.51	85	0.13	9.54	446	5.8		
N833711		<0.005	1.88	1.73	83	0.15	11.00	221	6.4		
N833712		<0.005	0.02	0.41	2	<0.05	0.92	13	<0.5		
N833713		<0.005	2.05	2.19	82	0.17	13.50	595	7.9		
N833714		<0.005	2.30	2.34	53	0.14	9.41	263	7.7		
N833715		<0.005	2.30	3.75	47	0.16	9.67	214	9.4		
N833716		<0.005	1.88	3.54	47	0.16	11.60	279	9.8		
N833717		<0.005	2.66	3.52	32	0.18	10.25	82	9.6		
N833718		<0.005	2.13	3.26	42	0.15	11.10	233	9.0		
N833719		<0.005	2.68	4.63	48	0.14	13.65	232	10.7		
N833720		0.087	0.21	0.60	41	0.22	6.26	4910	6.4	99	
N833721		<0.005	1.81	3.10	76	0.11	12.25	416	8.6		
N833722		<0.005	1.93	3.23	76	0.11	12.85	274	9.0		
N833723		<0.005	1.62	2.42	82	0.11	11.25	627	6.9		
N833724		<0.005	0.04	0.48	2	0.05	0.89	13	<0.5		
N833725		<0.005	1.67	1.93	65	0.08	7.72	533	4.7		





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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158544**

<b>CERTIFICATE COMMENTS</b>	
Applies to Method:	



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12158545**

Project: Crag East  
 P.O. No.: Batch 2  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12158545**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
N833726		4.24	0.004	0.37	0.51	26.7	<0.2	10	110	0.80	0.21	0.16	0.36	1.56	7.7	13
N833727		7.75	0.007	0.35	0.44	70.0	<0.2	10	110	0.38	0.22	0.06	1.31	1.13	11.2	12
N833728		8.18	0.006	0.28	0.30	94.9	<0.2	<10	90	0.20	0.20	0.03	2.51	0.91	16.2	10
N833729		3.07	0.005	0.26	0.38	109.0	<0.2	10	70	0.24	0.23	0.03	1.32	1.01	19.7	11
N833730		7.61	0.006	0.53	0.36	113.0	<0.2	<10	50	0.28	0.22	0.04	6.20	1.14	15.7	9
N833731		4.00	0.008	0.25	0.35	36.0	<0.2	10	80	0.36	0.20	0.05	0.89	1.46	14.4	8
N833732		7.72	0.007	0.44	0.42	44.9	<0.2	10	100	0.35	0.23	0.05	4.19	1.65	14.5	10
N833733		2.58	0.005	0.24	0.38	32.9	<0.2	10	60	0.25	0.16	0.06	1.07	1.39	10.8	8
N833734		1.99	0.019	0.24	0.30	37.0	<0.2	<10	60	0.25	0.17	0.06	1.18	1.30	12.1	8
N833735		8.07	0.006	0.26	0.38	70.6	<0.2	10	80	0.32	0.20	0.04	3.69	1.34	15.6	11
N833736		7.70	0.006	0.69	0.71	70.3	<0.2	10	80	0.64	0.19	0.05	9.85	1.86	11.7	11
N833737		3.37	0.006	0.47	0.40	85.9	<0.2	<10	70	0.41	0.19	0.11	3.05	1.56	18.5	10
N833738		8.68	0.006	0.51	0.48	84.9	<0.2	10	80	0.40	0.23	0.06	2.91	1.81	16.7	11
N833739		0.20	0.252	>100	1.27	247	0.2	<10	90	0.21	5.37	0.63	24.4	8.64	10.7	30
N833740		8.66	0.007	0.35	0.42	89.8	<0.2	10	60	0.46	0.25	0.06	0.92	1.51	23.5	12
N833741		7.55	0.006	0.29	0.48	86.9	<0.2	10	70	0.40	0.21	0.06	0.98	1.21	19.9	13
N833742		8.17	0.006	0.31	0.31	70.2	<0.2	<10	60	0.25	0.21	0.03	2.45	1.00	13.0	10
N833743		8.53	0.006	0.37	0.36	82.8	<0.2	<10	100	0.24	0.19	0.03	3.03	1.15	14.6	12
N833744		8.66	0.007	0.30	0.38	108.5	<0.2	<10	60	0.23	0.25	0.04	3.54	1.18	16.8	12
N833745		8.23	0.006	0.44	0.45	82.5	<0.2	10	40	0.25	0.21	0.04	4.56	1.07	13.2	11
N833746		7.69	0.006	0.29	0.41	180.0	<0.2	<10	90	0.26	0.20	0.04	6.20	1.14	12.3	13
N833747		1.35	0.006	1.28	2.68	3190	<0.2	10	100	4.41	0.08	13.15	49.2	2.78	56.4	41
N833748		4.30	0.001	0.10	0.40	2260	<0.2	<10	30	1.47	0.02	23.6	6.18	0.84	59.2	6
N833749		1.41	0.001	0.01	0.04	382	<0.2	<10	20	0.12	0.01	>25.0	0.57	0.74	4.9	3
N833750		4.29	0.001	<0.01	0.03	6	<0.2	<10	10	<0.05	0.03	20.5	0.06	0.93	0.7	1
N833751		9.17	0.001	0.02	0.03	262	<0.2	<10	10	0.14	0.01	>25.0	0.42	0.17	2.3	3
N833752		9.36	0.001	0.01	0.01	85	<0.2	<10	70	0.19	<0.01	>25.0	0.11	0.07	2.0	1
N833753		9.28	0.001	0.01	0.02	37	<0.2	<10	20	0.09	0.01	>25.0	0.51	0.28	1.0	2
N833754		9.33	0.001	0.01	0.02	14	<0.2	<10	10	0.10	0.01	>25.0	0.46	0.17	0.8	2
N833755		0.20	3.73	1.43	0.30	671	<0.2	<10	50	0.31	4.28	2.12	1.73	3.92	7.2	19
N833756		1.65	0.002	<0.01	0.01	18	<0.2	<10	10	0.14	0.01	>25.0	0.14	0.15	1.2	1
N833757		5.96	<0.001	<0.01	0.03	6	<0.2	<10	10	<0.05	0.02	20.3	0.05	1.04	0.8	1
N833758		5.42	0.001	<0.01	0.02	102	<0.2	<10	60	0.31	<0.01	>25.0	1.23	0.10	4.4	1
N833759		<0.02	0.002	<0.01	0.02	96	<0.2	<10	60	0.31	0.01	>25.0	1.26	0.15	4.5	1
N833760		2.08	0.001	<0.01	0.01	24	<0.2	<10	<10	0.13	0.01	>25.0	0.07	0.06	1.2	2
N833761		9.76	0.001	<0.01	0.02	130	<0.2	<10	10	0.30	0.01	>25.0	0.14	0.10	1.4	5



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Project: Crag East

<b>CERTIFICATE OF ANALYSIS WH12158545</b>
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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833726		7.26	40.3	2.61	1.46	0.05	0.10	2.89	0.029	0.18	0.9	5.7	0.03	48	10.90	0.01
N833727		5.14	47.1	2.23	1.15	<0.05	0.12	3.12	0.029	0.14	0.6	5.4	0.01	29	21.5	<0.01
N833728		3.63	51.0	2.46	0.83	0.05	0.14	5.19	0.029	0.09	0.4	4.7	0.01	31	29.1	<0.01
N833729		4.27	49.0	3.00	0.97	0.05	0.15	7.65	0.029	0.11	0.5	4.5	0.01	41	32.0	<0.01
N833730		4.04	58.1	2.62	1.04	0.06	0.16	6.70	0.048	0.09	0.5	6.4	0.01	54	32.9	<0.01
N833731		4.03	45.4	2.34	1.03	0.05	0.16	7.65	0.037	0.11	0.7	4.0	0.01	54	37.1	<0.01
N833732		3.88	58.0	2.54	1.26	0.06	0.22	5.99	0.063	0.10	0.8	5.9	0.01	78	30.9	<0.01
N833733		3.30	37.3	2.12	1.01	<0.05	0.18	4.27	0.031	0.10	0.7	5.2	0.01	53	20.4	<0.01
N833734		3.21	38.8	2.27	0.89	<0.05	0.16	4.62	0.033	0.09	0.6	4.4	0.01	74	23.4	<0.01
N833735		3.57	45.5	3.03	1.23	0.05	0.15	6.14	0.034	0.11	0.6	5.7	0.01	59	29.0	<0.01
N833736		4.11	54.9	2.44	1.53	0.06	0.17	2.62	0.062	0.12	0.9	6.9	0.01	64	25.0	<0.01
N833737		3.59	51.3	3.65	1.21	0.06	0.13	3.49	0.045	0.10	0.7	4.7	0.01	229	20.8	<0.01
N833738		5.07	60.2	2.55	1.55	0.05	0.19	4.04	0.041	0.16	0.9	4.2	0.02	65	39.2	<0.01
N833739		0.35	6350	5.41	4.07	0.10	0.23	1.20	0.420	0.10	4.0	9.8	0.77	1600	23.2	0.06
N833740		5.13	56.3	3.02	1.34	<0.05	0.20	5.20	0.035	0.15	0.8	2.4	0.02	50	48.8	0.01
N833741		4.30	46.6	2.84	1.40	<0.05	0.19	3.59	0.038	0.12	0.6	3.4	0.01	51	34.9	0.01
N833742		3.89	47.1	3.03	1.19	<0.05	0.18	2.48	0.038	0.11	0.5	2.3	0.01	33	32.9	0.01
N833743		3.43	47.0	2.43	1.44	<0.05	0.17	3.22	0.044	0.12	0.6	2.9	0.01	45	27.5	0.01
N833744		3.02	56.1	2.74	1.69	<0.05	0.19	3.39	0.044	0.11	0.6	2.0	0.01	37	31.5	<0.01
N833745		3.69	47.8	2.83	1.56	<0.05	0.17	3.23	0.048	0.13	0.5	3.8	0.01	65	25.6	0.01
N833746		3.01	44.3	2.18	1.50	<0.05	0.13	3.72	0.048	0.12	0.6	3.6	0.01	50	23.9	0.01
N833747		4.33	15.0	11.15	5.83	0.17	0.15	0.68	0.266	0.09	3.6	13.2	0.14	1120	3.53	0.02
N833748		2.96	3.4	12.50	0.46	0.05	0.03	0.25	0.018	0.01	1.2	4.1	0.12	1560	1.59	0.02
N833749		0.40	1.1	0.94	0.13	<0.05	<0.02	0.14	<0.005	0.01	1.4	0.4	0.16	448	0.38	0.01
N833750		0.18	1.2	0.47	0.09	<0.05	<0.02	0.02	0.005	0.02	0.4	0.9	12.40	212	0.06	0.01
N833751		0.26	2.2	0.69	0.10	<0.05	<0.02	0.12	<0.005	<0.01	0.3	0.3	0.17	559	0.11	0.01
N833752		0.08	0.5	0.67	0.08	<0.05	<0.02	0.05	<0.005	<0.01	<0.2	0.2	0.15	550	0.06	0.01
N833753		0.06	0.6	0.38	0.09	<0.05	<0.02	0.14	<0.005	<0.01	0.5	0.2	0.17	514	0.06	0.01
N833754		<0.05	0.5	0.38	0.09	<0.05	<0.02	0.29	<0.005	<0.01	0.3	0.1	0.38	445	0.06	0.01
N833755		1.54	68.0	2.90	1.04	<0.05	0.19	5.06	0.125	0.17	2.0	1.6	0.85	295	23.9	<0.01
N833756		<0.05	0.5	0.35	0.06	<0.05	<0.02	0.04	<0.005	<0.01	0.2	0.1	0.27	243	0.07	0.01
N833757		0.19	1.3	0.46	0.09	<0.05	<0.02	0.01	<0.005	0.02	0.5	0.9	12.25	211	0.05	0.01
N833758		0.10	0.4	1.50	0.08	<0.05	<0.02	0.03	<0.005	<0.01	<0.2	0.2	0.20	371	3.43	0.01
N833759		0.10	0.5	1.43	0.10	<0.05	<0.02	0.01	<0.005	<0.01	<0.2	0.2	0.16	366	3.35	0.01
N833760		<0.05	0.4	0.46	0.07	<0.05	<0.02	0.03	<0.005	<0.01	<0.2	0.1	0.12	258	0.05	0.01
N833761		0.12	0.6	0.56	0.10	<0.05	<0.02	0.04	<0.005	<0.01	<0.2	0.1	0.14	345	0.15	0.01

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158545**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833726	0.05	56.6	530	14.2	12.8	0.007	2.58	2.57	1.8	3.8	0.6	43.9	<0.01	0.08	0.6	
N833727	<0.05	63.0	270	12.9	9.3	0.013	2.30	2.12	2.0	4.5	0.7	50.4	<0.01	0.12	0.4	
N833728	<0.05	70.1	100	11.9	6.2	0.017	2.57	2.11	1.6	4.8	1.0	29.2	<0.01	0.16	0.3	
N833729	<0.05	68.2	160	13.4	6.9	0.016	3.11	1.98	2.0	4.7	0.8	29.5	<0.01	0.18	0.5	
N833730	<0.05	81.2	160	12.6	6.5	0.031	2.79	2.30	2.3	6.9	1.0	33.7	<0.01	0.19	0.4	
N833731	<0.05	75.5	190	11.7	7.5	0.027	2.33	1.41	1.6	5.5	0.6	33.5	<0.01	0.20	0.6	
N833732	<0.05	89.4	170	12.8	7.0	0.025	2.45	1.75	2.6	6.1	0.8	40.6	<0.01	0.17	0.6	
N833733	<0.05	54.1	170	9.8	6.5	0.017	2.01	1.20	1.8	3.7	0.6	18.3	<0.01	0.13	0.6	
N833734	<0.05	60.5	180	10.5	6.0	0.019	2.10	1.20	2.0	3.9	0.7	19.1	<0.01	0.13	0.6	
N833735	<0.05	64.8	120	12.0	7.2	0.016	3.04	1.75	1.9	4.9	0.6	40.9	<0.01	0.16	0.5	
N833736	<0.05	81.6	280	10.7	8.0	0.028	2.56	2.48	3.1	7.4	0.9	67.2	<0.01	0.14	0.7	
N833737	<0.05	88.3	210	12.1	7.0	0.011	2.43	2.18	3.7	4.8	0.7	26.4	<0.01	0.16	0.6	
N833738	<0.05	97.3	190	14.5	10.0	0.021	2.50	2.23	2.4	7.0	0.8	33.6	<0.01	0.18	0.7	
N833739	0.25	24.4	420	9940	3.3	0.010	2.31	397	4.0	2.1	1.6	25.7	<0.01	1.15	1.0	
N833740	<0.05	97.1	160	16.4	9.9	0.023	3.08	2.14	1.9	5.1	0.8	34.5	<0.01	0.22	0.6	
N833741	<0.05	91.0	280	14.2	8.3	0.017	2.86	1.90	2.6	4.4	0.8	63.6	<0.01	0.18	0.4	
N833742	<0.05	85.3	80	13.2	7.4	0.019	3.13	1.63	1.7	4.5	0.6	33.8	<0.01	0.16	0.3	
N833743	<0.05	72.0	100	12.1	7.5	0.016	2.45	2.12	1.6	5.0	0.7	38.5	<0.01	0.13	0.3	
N833744	<0.05	94.7	150	14.3	7.0	0.019	2.81	1.75	1.8	4.8	0.7	54.9	<0.01	0.17	0.4	
N833745	<0.05	83.7	170	12.8	7.6	0.025	2.81	1.70	1.6	5.8	0.8	48.4	<0.01	0.16	0.4	
N833746	<0.05	69.1	160	10.4	7.0	0.014	2.00	1.71	1.4	3.4	0.8	73.1	<0.01	0.12	0.3	
N833747	<0.05	278	1710	5.7	4.0	0.011	2.90	3.82	14.2	5.6	0.7	403	<0.01	0.10	0.6	
N833748	<0.05	230	170	1.3	0.7	0.010	1.92	3.25	3.4	1.7	0.2	116.5	<0.01	0.04	<0.2	
N833749	<0.05	28.1	160	0.7	0.3	<0.001	0.36	0.29	1.6	0.3	<0.2	81.2	<0.01	0.01	<0.2	
N833750	<0.05	2.0	200	1.1	1.0	<0.001	0.01	<0.05	0.3	<0.2	<0.2	42.6	<0.01	<0.01	<0.2	
N833751	<0.05	10.9	30	0.8	0.1	<0.001	0.24	0.28	2.1	0.5	<0.2	79.3	<0.01	0.02	<0.2	
N833752	<0.05	9.1	10	<0.2	<0.1	<0.001	0.07	0.09	0.9	0.3	<0.2	34.6	<0.01	<0.01	<0.2	
N833753	<0.05	4.9	60	0.3	0.1	<0.001	0.07	0.10	2.0	0.8	<0.2	142.0	<0.01	0.01	<0.2	
N833754	<0.05	3.0	50	0.3	0.1	<0.001	0.04	0.07	2.3	0.3	<0.2	122.0	<0.01	<0.01	<0.2	
N833755	0.05	72.6	820	19.3	11.6	0.034	1.94	10.05	2.9	5.9	2.0	33.0	<0.01	0.77	1.6	
N833756	<0.05	4.6	10	0.2	0.1	<0.001	0.08	0.05	0.6	0.5	<0.2	27.6	<0.01	<0.01	<0.2	
N833757	<0.05	2.5	180	1.1	0.9	<0.001	0.01	<0.05	0.3	0.2	<0.2	45.9	<0.01	<0.01	<0.2	
N833758	<0.05	20.1	20	<0.2	0.1	<0.001	0.42	0.26	0.5	0.6	<0.2	26.1	<0.01	<0.01	<0.2	
N833759	<0.05	20.1	20	<0.2	0.1	<0.001	0.41	0.24	0.5	0.7	<0.2	28.9	<0.01	<0.01	<0.2	
N833760	<0.05	3.8	<10	0.2	<0.1	<0.001	0.02	<0.05	0.2	0.3	<0.2	20.3	<0.01	0.01	<0.2	
N833761	<0.05	5.1	20	0.2	0.1	<0.001	0.09	0.21	0.9	0.4	<0.2	21.5	<0.01	<0.01	<0.2	

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**CERTIFICATE OF ANALYSIS WH12158545**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1
N833726		<0.005	1.69	1.32	64	0.09	7.29	247	4.2	
N833727		<0.005	1.83	1.74	59	0.13	7.42	116	4.7	
N833728		<0.005	2.33	1.93	39	0.14	7.20	121	5.1	
N833729		<0.005	3.94	2.54	36	0.17	8.76	87	5.4	
N833730		<0.005	3.47	2.39	53	0.13	7.78	969	5.9	
N833731		<0.005	2.83	2.14	30	0.12	8.61	143	6.5	
N833732		<0.005	2.63	2.35	48	0.15	8.20	478	8.0	
N833733		<0.005	2.56	1.69	28	0.11	6.30	162	5.8	
N833734		<0.005	2.78	1.72	27	0.13	6.77	244	5.8	
N833735		<0.005	4.28	1.83	36	0.12	8.10	688	5.9	
N833736		<0.005	2.42	2.63	101	0.10	10.10	880	7.3	
N833737		<0.005	3.29	1.95	45	0.11	11.05	1050	5.2	
N833738		<0.005	4.24	2.26	53	0.15	11.10	384	7.3	
N833739		0.090	0.22	0.69	41	0.24	6.74	4900	6.9	98
N833740		<0.005	6.16	2.25	33	0.16	12.50	94	7.1	
N833741		<0.005	5.01	2.39	45	0.15	10.50	121	6.2	
N833742		<0.005	4.48	1.79	36	0.18	6.40	431	5.4	
N833743		<0.005	4.31	1.84	47	0.18	7.37	239	4.7	
N833744		<0.005	4.20	2.24	48	0.18	8.66	147	4.9	
N833745		<0.005	4.95	2.95	58	0.17	6.39	254	4.6	
N833746		<0.005	3.94	1.95	77	0.19	6.92	410	3.6	
N833747		<0.005	5.06	11.00	208	7.96	68.5	3160	7.0	
N833748		<0.005	0.39	4.77	39	0.32	37.7	2380	2.1	
N833749		<0.005	0.08	1.77	18	<0.05	12.85	133	0.7	
N833750		<0.005	<0.02	0.38	1	<0.05	0.82	14	<0.5	
N833751		<0.005	0.02	0.93	19	<0.05	11.05	96	0.8	
N833752		<0.005	<0.02	0.61	8	<0.05	5.66	101	0.7	
N833753		<0.005	<0.02	0.59	19	<0.05	15.55	28	0.8	
N833754		<0.005	<0.02	0.36	17	<0.05	13.65	23	0.7	
N833755		<0.005	2.37	1.71	56	2.25	6.75	142	6.4	
N833756		<0.005	<0.02	0.19	5	<0.05	3.73	39	<0.5	
N833757		<0.005	<0.02	0.52	2	<0.05	0.85	12	<0.5	
N833758		<0.005	0.02	0.25	4	<0.05	4.92	294	0.6	
N833759		<0.005	<0.02	0.27	4	<0.05	4.99	270	0.6	
N833760		<0.005	<0.02	0.17	6	<0.05	1.60	47	<0.5	
N833761		<0.005	<0.02	0.51	15	<0.05	3.80	54	0.9	



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**Account: MTT**

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158545**

**CERTIFICATE COMMENTS**

Applies to Method:



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 19- JUN- 2013  
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**CERTIFICATE WH12158546**

Project: Crag East  
 P.O. No.: Batch 4  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

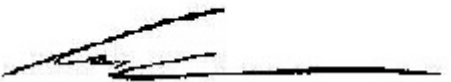
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12158546**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N833798		10.64	<0.001	0.01	0.40	49	<0.2	10	70	0.65	0.17	18.00	0.01	14.45	6.4	4
N833799		4.97	0.001	0.01	0.33	51	<0.2	10	60	0.48	0.13	24.4	0.01	15.90	4.0	3
N833800		4.06	0.002	0.03	0.46	220	<0.2	10	80	0.82	0.24	8.56	0.01	10.95	14.3	5
N833801		4.19	0.001	0.03	0.53	175.5	<0.2	10	110	0.97	0.39	4.20	0.07	6.67	22.0	5
N833802		2.33	0.001	0.03	0.45	725	<0.2	10	100	0.65	0.30	10.95	0.04	6.68	15.8	4
N833803		3.65	0.001	0.03	0.11	2760	<0.2	<10	50	0.16	0.03	17.65	0.05	5.64	3.0	2
N833804		0.26	0.278	98.7	1.23	253	0.3	<10	90	0.25	4.97	0.62	22.5	8.51	12.3	30
N833805		4.44	0.001	0.10	0.09	2250	<0.2	<10	50	0.16	0.02	17.85	0.03	5.50	2.1	2
N833806		5.17	0.001	0.01	0.05	533	<0.2	<10	10	0.12	0.01	17.95	0.24	4.66	1.2	1
N833807		2.23	0.001	0.01	0.04	397	<0.2	<10	10	0.07	<0.01	17.35	0.01	1.97	1.0	1
N833808		5.80	0.001	0.02	0.08	668	<0.2	<10	30	0.13	0.02	17.40	0.07	3.61	1.3	2
N833809		2.61	0.001	0.01	0.11	376	<0.2	<10	60	0.14	0.01	17.65	0.02	4.48	1.3	3
N833810		3.04	0.001	0.02	0.06	683	<0.2	<10	20	0.09	0.01	17.45	0.09	3.34	1.2	2
N833811		3.02	0.001	0.01	0.06	341	<0.2	<10	10	0.06	0.01	17.40	0.15	3.58	1.0	2
N833812		6.69	0.001	0.01	0.05	197	<0.2	<10	10	0.08	<0.01	17.20	0.03	3.17	0.9	2
N833813		4.97	<0.001	0.01	0.03	103	<0.2	<10	<10	0.08	<0.01	17.25	0.01	1.47	1.0	1
N833814		1.51	0.001	0.12	0.33	4230	<0.2	10	220	0.30	0.08	10.85	0.13	4.95	4.7	7
N833815		6.66	<0.001	0.03	0.05	1950	<0.2	<10	20	0.17	0.01	17.90	0.02	4.00	1.1	1
N833816		0.26	7.64	0.42	0.44	819	<0.2	<10	130	0.46	0.62	11.55	3.90	18.65	5.9	29
N833817		2.16	0.004	0.07	0.50	>10000	<0.2	20	40	0.60	0.36	1.37	0.03	3.08	19.4	7
N833818		2.66	0.001	0.03	0.49	7530	<0.2	20	40	0.71	0.36	0.94	0.01	2.39	11.9	5
N833819		2.49	0.001	0.14	0.53	3290	<0.2	20	80	0.76	0.36	1.44	0.07	2.56	12.3	7
N833820		3.24	<0.001	<0.01	0.04	23	<0.2	<10	10	<0.05	0.02	18.05	0.05	1.14	1.3	1
N833821		5.07	<0.001	0.04	0.52	134.0	<0.2	20	40	1.00	0.33	0.71	0.01	2.16	10.9	5
N833822		10.72	0.001	0.09	0.43	373	<0.2	10	60	1.14	0.34	0.84	<0.01	2.35	13.7	5
N833823		<0.02	0.001	0.06	0.50	363	<0.2	20	60	1.16	0.33	0.80	<0.01	2.51	12.5	6
N833824		4.84	<0.001	0.03	0.53	52.8	<0.2	20	80	1.18	0.27	1.63	<0.01	4.38	7.4	7
N833825		6.04	<0.001	0.09	0.52	231	<0.2	10	60	1.03	0.28	4.31	0.05	5.82	10.4	8
N833826		10.19	<0.001	0.15	0.54	40	<0.2	10	170	0.64	0.15	15.80	0.11	12.95	6.2	8
N833827		5.12	0.001	0.18	0.74	110	<0.2	20	160	0.80	0.17	14.80	0.14	15.90	6.8	11
N833828		8.45	0.002	0.09	0.40	33	<0.2	10	170	0.56	0.14	15.80	0.06	13.75	6.6	6
N833829		4.72	0.001	0.12	0.58	72.3	<0.2	10	50	0.66	0.30	2.31	0.10	4.55	13.1	9
N833830		3.72	0.001	<0.01	0.04	<2	<0.2	<10	10	0.05	0.02	18.80	0.06	1.48	1.5	1
N833831		7.63	0.001	0.23	0.57	90.9	<0.2	10	60	0.73	0.35	1.56	0.21	7.58	11.0	10
N833832		2.44	0.001	0.15	0.33	70.2	<0.2	<10	160	0.37	0.19	5.42	0.14	8.81	6.2	7
N833833		2.74	0.001	0.19	0.53	101.5	<0.2	10	40	0.67	0.39	0.71	0.15	6.41	11.5	8



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158546**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833798		11.05	9.4	1.32	1.00	0.06	0.09	0.22	0.020	0.25	6.9	4.4	1.59	326	0.10	0.01
N833799		7.96	5.7	0.65	0.81	0.05	0.07	0.14	0.015	0.20	8.8	2.5	0.60	337	0.09	0.01
N833800		9.81	27.8	1.78	1.36	<0.05	0.10	0.91	0.027	0.25	5.9	3.8	2.68	513	0.26	0.02
N833801		11.70	38.4	3.13	1.63	<0.05	0.09	1.44	0.036	0.28	3.6	2.3	2.00	285	0.29	0.02
N833802		7.70	27.7	2.60	1.36	<0.05	0.11	2.66	0.028	0.23	3.8	3.0	6.04	964	0.47	0.03
N833803		0.95	5.5	2.13	0.45	<0.05	0.04	14.45	0.009	0.04	3.2	0.9	10.10	2450	0.33	0.02
N833804		0.35	5950	5.19	4.39	0.10	0.23	1.23	0.384	0.10	4.0	10.1	0.75	1560	19.85	0.07
N833805		0.83	6.9	1.74	0.46	<0.05	0.04	10.70	0.006	0.03	3.0	1.1	9.87	2810	0.38	0.02
N833806		0.21	2.5	1.36	0.34	<0.05	0.02	16.40	<0.005	0.01	2.5	0.8	10.65	1840	0.17	0.02
N833807		0.17	5.3	1.27	0.29	<0.05	<0.02	2.98	<0.005	0.01	1.2	0.7	10.75	1880	0.18	0.02
N833808		0.65	2.7	1.19	0.35	<0.05	0.04	26.1	0.006	0.02	1.9	0.8	10.85	1180	0.89	0.02
N833809		1.85	2.8	0.67	0.40	<0.05	0.06	5.53	<0.005	0.04	2.3	0.9	11.00	907	0.78	0.03
N833810		0.78	1.9	1.70	0.30	<0.05	0.04	29.1	<0.005	0.02	1.7	0.6	10.75	1220	0.49	0.02
N833811		0.49	1.2	1.73	0.31	<0.05	0.03	53.0	<0.005	0.02	1.8	0.6	10.70	1400	0.54	0.02
N833812		0.28	0.9	1.29	0.28	<0.05	0.02	5.09	<0.005	0.01	1.7	0.6	10.55	1500	0.31	0.02
N833813		0.11	0.8	0.91	0.24	<0.05	<0.02	0.95	<0.005	0.01	0.7	0.5	10.95	1310	0.17	0.03
N833814		2.98	13.8	1.66	0.83	<0.05	0.16	13.70	0.017	0.09	2.3	5.3	5.31	998	0.68	0.02
N833815		0.27	1.8	1.49	0.32	<0.05	0.03	7.41	0.007	0.01	2.3	1.0	9.72	1860	0.10	0.02
N833816		2.67	30.7	1.29	1.24	<0.05	0.31	5.86	0.063	0.21	9.9	1.2	0.54	260	11.45	0.02
N833817		8.45	41.6	3.30	1.58	<0.05	0.12	15.80	0.053	0.28	1.5	3.4	0.41	380	0.50	0.02
N833818		11.75	33.3	1.86	1.43	<0.05	0.10	6.44	0.040	0.29	1.2	4.4	0.32	183	0.24	0.02
N833819		11.95	39.8	2.88	1.48	<0.05	0.12	3.96	0.041	0.30	1.2	4.2	0.45	413	0.85	0.02
N833820		0.52	2.7	0.41	0.19	<0.05	<0.02	0.03	<0.005	0.02	0.6	1.0	11.50	200	0.05	0.02
N833821		16.75	27.6	1.91	1.24	<0.05	0.12	0.79	0.031	0.32	1.1	3.8	0.22	207	0.25	0.02
N833822		17.95	34.5	3.88	1.07	<0.05	0.14	1.26	0.032	0.28	1.1	5.4	0.25	238	0.35	0.02
N833823		17.50	32.6	3.80	1.23	<0.05	0.14	1.29	0.031	0.30	1.2	6.1	0.24	232	0.29	0.02
N833824		15.05	27.7	1.33	1.28	<0.05	0.11	0.19	0.028	0.31	2.1	7.7	0.45	402	0.19	0.02
N833825		11.15	23.2	3.40	1.22	<0.05	0.12	1.04	0.033	0.29	1.8	8.1	1.09	631	0.62	0.03
N833826		11.85	18.0	2.03	1.23	<0.05	0.13	1.48	0.021	0.28	4.6	5.7	0.48	265	1.49	0.03
N833827		12.35	20.3	2.16	1.67	<0.05	0.13	1.56	0.023	0.36	5.8	5.5	0.48	313	1.78	0.04
N833828		15.25	16.1	1.90	0.94	<0.05	0.09	0.13	0.019	0.21	4.6	7.1	1.16	535	0.79	0.04
N833829		14.05	32.1	3.20	1.34	<0.05	0.16	0.19	0.028	0.32	1.9	12.4	0.60	339	2.72	0.04
N833830		0.40	1.7	0.44	0.18	<0.05	<0.02	0.01	<0.005	0.02	0.7	1.1	12.10	209	0.09	0.02
N833831		14.75	31.8	3.88	1.23	<0.05	0.17	1.11	0.034	0.32	3.4	11.4	0.41	297	1.77	0.04
N833832		7.08	19.3	2.57	0.77	<0.05	0.11	0.85	0.020	0.20	3.7	4.5	0.46	349	1.11	0.03
N833833		10.40	34.0	3.97	1.13	<0.05	0.17	2.06	0.034	0.33	3.0	6.2	0.33	234	1.41	0.04

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



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**CERTIFICATE OF ANALYSIS WH12158546**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833798		0.09	7.0	460	5.9	11.8	0.001	0.47	0.17	4.3	0.3	0.4	262	<0.01	0.05	3.0
N833799		0.12	4.8	390	3.2	9.3	0.001	0.25	0.18	3.4	0.4	0.3	368	<0.01	0.05	2.2
N833800		0.08	14.5	540	10.0	12.6	<0.001	0.60	2.11	7.4	0.6	0.7	132.5	<0.01	0.05	3.7
N833801		0.07	31.5	390	25.1	14.6	<0.001	3.03	0.50	10.5	0.4	0.5	72.1	<0.01	0.09	4.2
N833802		0.11	23.4	440	18.2	10.5	<0.001	1.51	9.08	7.2	0.5	0.5	94.6	<0.01	0.06	3.2
N833803		0.15	2.4	340	14.2	1.9	0.001	1.05	46.8	3.6	0.5	0.2	126.0	<0.01	0.04	0.4
N833804		0.29	28.3	410	9670	3.7	0.010	2.29	412	4.3	2.0	1.3	28.1	<0.01	1.09	0.9
N833805		0.15	1.4	450	20.6	1.6	<0.001	0.81	47.7	2.6	0.6	<0.2	137.0	<0.01	0.03	0.4
N833806		0.15	<0.2	370	4.8	0.6	<0.001	0.06	16.00	0.8	0.5	<0.2	105.5	<0.01	0.02	0.2
N833807		0.14	<0.2	210	4.4	0.4	<0.001	0.01	26.6	0.6	0.3	0.5	82.8	<0.01	0.03	<0.2
N833808		0.14	1.3	610	39.9	1.2	<0.001	0.01	137.0	0.6	0.6	<0.2	106.0	<0.01	0.03	0.4
N833809		0.15	1.9	790	10.5	1.8	<0.001	0.02	73.6	0.8	0.5	<0.2	108.0	<0.01	0.03	0.7
N833810		0.16	2.0	280	14.6	0.9	<0.001	0.03	104.5	0.6	0.6	<0.2	74.6	<0.01	0.03	0.5
N833811		0.16	1.4	220	12.2	0.8	<0.001	0.02	64.4	0.7	0.5	<0.2	78.8	<0.01	0.03	0.3
N833812		0.15	0.9	250	3.8	0.5	<0.001	0.02	44.5	0.6	0.5	<0.2	73.7	<0.01	0.03	0.3
N833813		0.15	0.5	180	1.5	0.2	<0.001	0.01	11.65	0.3	0.4	<0.2	58.2	<0.01	0.03	<0.2
N833814		0.09	12.5	490	31.9	4.3	0.001	1.17	26.8	1.5	0.7	0.5	355	<0.01	0.03	1.7
N833815		0.15	1.2	410	10.8	0.7	<0.001	0.43	13.90	1.1	0.5	<0.2	144.0	<0.01	0.04	0.3
N833816		0.11	61.6	4050	4.6	16.6	0.035	1.31	6.59	4.9	7.5	0.8	133.0	<0.01	0.51	4.1
N833817		0.05	35.1	50	29.1	14.3	<0.001	2.55	24.4	5.1	0.5	1.8	50.9	<0.01	0.09	1.8
N833818		<0.05	23.0	30	11.8	16.2	<0.001	1.42	4.58	4.0	0.2	0.6	33.1	<0.01	0.07	1.5
N833819		<0.05	32.3	40	34.3	16.8	0.002	2.47	4.63	4.8	0.6	0.6	51.2	<0.01	0.07	1.7
N833820		0.17	1.9	170	1.2	2.0	<0.001	0.03	0.06	0.3	0.3	<0.2	46.8	<0.01	0.02	<0.2
N833821		<0.05	21.9	20	13.2	18.6	<0.001	1.72	0.37	3.7	0.2	0.4	31.9	<0.01	0.06	1.6
N833822		0.06	27.2	20	16.0	16.9	<0.001	3.86	1.35	4.3	0.2	0.4	34.0	<0.01	0.08	1.5
N833823		0.06	25.2	20	14.4	17.9	<0.001	3.80	1.34	4.3	0.2	0.4	34.8	<0.01	0.07	1.7
N833824		<0.05	12.8	20	14.2	17.4	<0.001	0.39	0.17	4.1	0.2	0.3	51.4	<0.01	0.04	2.2
N833825		0.07	24.7	650	26.9	15.3	0.001	2.53	0.68	4.0	0.7	0.4	139.5	<0.01	0.07	2.2
N833826		0.13	18.7	2480	13.6	15.2	0.003	1.98	0.21	3.4	1.5	0.4	670	<0.01	0.05	3.1
N833827		0.13	21.6	4700	15.6	19.0	0.004	2.12	0.31	4.0	1.6	0.5	622	<0.01	0.06	3.5
N833828		0.13	16.9	580	11.4	12.7	0.001	1.50	0.20	3.1	0.9	0.2	578	<0.01	0.06	2.9
N833829		0.06	34.0	80	23.1	16.9	0.006	3.07	0.36	2.6	1.1	0.5	100.5	<0.01	0.07	2.5
N833830		0.17	2.8	180	1.3	1.5	<0.001	0.02	<0.05	0.4	0.4	<0.2	48.9	<0.01	0.03	<0.2
N833831		0.06	31.7	130	26.4	17.0	0.003	3.95	0.47	2.3	2.5	0.7	55.9	<0.01	0.04	3.3
N833832		0.07	16.6	60	15.0	10.7	0.002	2.49	0.38	2.1	1.4	0.6	154.5	<0.01	0.02	2.3
N833833		0.06	31.5	70	30.3	16.7	0.002	4.02	0.65	2.1	1.5	0.5	36.3	<0.01	0.04	2.5



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**CERTIFICATE OF ANALYSIS WH12158546**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
N833798		<0.005	0.26	0.55	5	<0.05	8.40	14	2.7	
N833799		<0.005	0.28	0.30	3	<0.05	8.07	6	2.0	
N833800		<0.005	0.82	0.93	8	0.25	10.65	15	4.4	
N833801		<0.005	1.70	0.44	6	0.17	7.74	48	4.1	
N833802		<0.005	3.28	1.26	5	0.25	7.13	25	4.9	
N833803		<0.005	41.0	3.50	4	0.06	6.78	17	1.9	
N833804		0.086	0.22	0.76	41	0.25	6.86	4780	7.3	
N833805		<0.005	29.7	5.11	4	0.05	6.58	19	2.1	
N833806		<0.005	4.52	2.41	2	<0.05	5.37	138	0.9	
N833807		<0.005	2.13	1.21	1	<0.05	2.91	20	0.5	
N833808		<0.005	0.96	2.24	2	0.11	6.09	118	1.5	
N833809		<0.005	1.19	3.19	2	0.06	7.06	61	2.3	
N833810		<0.005	4.00	1.72	2	0.08	3.74	104	1.4	
N833811		<0.005	1.04	1.15	3	0.06	4.16	157	1.0	
N833812		<0.005	0.70	1.34	2	0.05	3.52	56	0.9	
N833813		<0.005	0.80	1.11	1	0.05	2.21	16	0.5	
N833814		<0.005	31.0	3.78	6	0.26	4.94	58	6.0	
N833815		<0.005	14.65	1.50	3	0.06	6.50	20	1.7	
N833816		<0.005	7.10	4.51	76	10.00	24.5	263	14.6	
N833817		<0.005	23.0	0.56	10	0.74	3.45	50	5.4	1.42
N833818		<0.005	6.96	0.33	9	0.93	2.16	32	4.2	
N833819		<0.005	4.68	0.35	11	0.82	3.14	79	4.8	
N833820		<0.005	0.05	0.55	1	<0.05	0.83	12	<0.5	
N833821		<0.005	1.47	0.32	8	0.30	2.58	47	5.0	
N833822		<0.005	3.32	0.32	8	0.44	2.71	27	5.8	
N833823		<0.005	3.43	0.33	9	0.45	2.80	27	5.7	
N833824		<0.005	0.34	0.30	9	0.16	3.05	18	4.0	
N833825		<0.005	1.87	0.43	11	0.14	9.03	94	6.0	
N833826		<0.005	2.38	0.89	10	<0.05	9.30	51	7.1	
N833827		<0.005	2.39	1.11	13	0.06	13.45	58	8.5	
N833828		<0.005	1.19	0.80	8	<0.05	8.54	41	7.3	
N833829		<0.005	2.20	0.58	11	<0.05	4.91	70	7.6	
N833830		<0.005	0.02	0.52	2	0.05	1.00	14	<0.5	
N833831		<0.005	3.31	0.55	10	0.08	5.00	78	7.3	
N833832		<0.005	1.57	0.42	6	0.10	7.62	71	4.5	
N833833		<0.005	2.71	0.47	9	0.14	2.99	101	6.6	



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12158546**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12158547**

Project: Crag East 3  
 P.O. No.:  
 This report is for 147 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

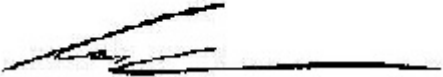
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager











ALS Canada Ltd.  
 2103 Dollarton Hwy  
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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160259		0.007	0.27	0.91	53	0.11	7.39	231	1.3
CC160260		0.007	0.43	1.08	49	0.07	14.00	224	2.2
CC160261		0.008	0.19	1.43	28	0.06	12.40	162	1.8
CC160262		0.008	0.26	1.52	34	0.08	11.35	184	1.3
CC160263		0.013	0.24	1.42	40	0.11	12.40	144	0.9
CC160264		0.011	0.20	2.36	42	0.10	11.20	146	1.0
CC160265		0.006	0.21	1.91	36	0.06	10.60	156	2.0
CC160266		0.006	0.21	1.46	44	0.09	12.55	153	2.2
CC160267		0.006	0.20	0.85	36	0.07	10.65	157	1.8
CC160268		0.005	0.21	1.38	29	0.06	11.00	217	2.3
CC160269		0.005	0.22	0.94	23	0.05	9.68	185	1.8
CC160270		0.005	0.44	1.51	41	0.06	12.30	271	2.4
CC160271		0.005	0.23	2.05	47	0.05	11.70	150	2.9
CC160272		0.005	0.39	1.49	47	0.07	12.40	212	2.0
CC160273		0.006	0.21	0.86	39	0.06	11.30	142	2.5
CC160274		<0.005	0.25	1.31	50	0.06	12.85	166	4.1
CC160275		0.006	0.32	1.68	42	0.07	11.65	149	2.5
CC160276		0.005	0.17	2.20	39	0.06	10.55	133	2.0
CC160277		0.007	0.59	1.18	47	0.09	12.10	157	3.5
CC160278		0.007	0.20	1.98	43	0.07	11.40	135	2.3
CC160279		0.006	0.18	3.13	40	0.09	11.30	136	3.9
CC160280		<0.005	0.28	0.77	42	0.08	11.10	147	5.9
CC160281		0.023	0.15	1.59	46	0.22	11.30	109	0.8
CC160282		0.007	0.24	1.26	47	0.10	17.80	145	2.0
CC160283		0.025	0.15	1.43	52	0.20	13.90	113	1.1
CC160284		0.018	0.18	0.62	52	0.18	3.48	87	1.6
CC160285		<0.005	0.30	1.44	53	0.07	15.50	178	1.8
CC160286		0.014	0.19	1.10	50	0.13	11.60	122	1.0
CC160287		<0.005	0.11	1.57	26	0.07	9.43	224	2.5
CC160288		<0.005	0.14	0.98	27	<0.05	10.10	135	2.0
CC160289		0.006	0.20	1.69	44	0.06	12.25	160	2.7
CC160290		<0.005	0.19	2.41	24	0.07	9.78	750	2.2
CC160201		<0.005	0.21	1.48	24	0.07	11.45	171	1.9
CC160202		0.005	0.58	1.14	34	0.06	9.65	308	1.8
CC160203		0.006	0.45	1.17	42	0.07	11.00	249	2.1
CC160204		0.005	0.26	1.12	40	0.07	11.35	160	2.7
CC160205		0.005	0.36	2.60	34	0.08	9.65	187	1.7
CC160206		0.005	0.23	1.20	33	0.09	14.00	148	1.8
CC160207		0.006	0.22	1.03	41	0.07	11.55	159	1.8
CC160208		0.009	0.28	1.08	42	0.08	10.35	128	2.0









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**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160209		0.005	0.28	1.44	47	0.06	12.05	165	3.7
CC160210		<0.005	0.18	1.60	36	0.07	9.57	145	1.8
CC160211		0.005	0.31	1.04	51	0.06	11.55	181	3.0
CC160212		0.005	0.13	2.07	48	0.10	10.05	154	1.8
CC160213		0.008	0.16	1.41	46	0.08	11.80	152	2.1
CC160214		0.007	0.25	11.15	33	0.08	8.43	168	3.3
CC160215		0.008	0.24	0.92	45	0.06	13.20	158	3.2
CC160216		0.005	0.25	1.05	42	0.06	17.25	129	1.9
CC160217		0.010	0.24	1.67	44	0.11	14.45	116	1.8
CC160218		0.014	0.20	0.83	55	0.18	4.27	106	0.8
CC160219		0.014	0.21	1.02	53	0.14	7.88	121	1.2
CC160220		0.007	0.11	0.49	29	0.06	2.41	71	0.9
CC160221		<0.005	0.20	2.45	26	0.08	9.72	502	1.8
CC160222		<0.005	0.13	1.13	20	<0.05	9.72	314	1.7
CC160223		0.012	0.15	0.78	26	0.12	10.35	150	1.8
CC160224		0.007	0.14	0.51	22	0.05	2.86	97	<0.5
CC160225		0.005	0.14	0.87	15	<0.05	7.60	113	1.4
CC160001		0.006	0.17	0.85	33	<0.05	11.40	131	2.6
CC160002		0.031	0.17	1.73	35	0.17	10.65	128	1.1
CC160003		0.005	0.16	1.15	34	0.05	10.10	112	1.6
CC160004		0.027	0.13	1.49	43	0.18	7.82	88	0.8
CC160005		0.006	0.26	0.88	40	0.06	11.25	153	1.7
CC160006		<0.005	0.32	0.87	51	0.06	11.95	158	1.5
CC160007		0.007	0.23	1.25	46	0.06	12.80	151	1.7
CC160008		0.006	0.27	1.44	38	0.07	12.60	267	1.8
CC160009		0.005	0.21	1.27	43	0.08	11.10	205	1.7
CC160010		0.005	0.20	1.77	43	0.07	11.35	185	1.7
CC160011		0.005	0.18	2.77	40	0.10	10.00	163	2.2
CC160012		0.006	0.26	0.92	36	0.05	11.00	201	3.1
CC160013		0.005	0.18	3.29	34	0.06	11.55	225	2.0
CC160014		0.006	0.26	1.39	50	0.05	16.15	168	3.0
CC160015		0.005	0.21	1.06	29	0.06	10.55	217	2.2
CC160016		0.009	0.17	1.67	38	0.12	10.20	116	1.5
CC160017		0.008	0.25	1.17	42	0.11	11.80	195	2.0
CC160018		0.007	0.23	1.20	43	0.07	10.45	127	1.8
CC160019		0.007	0.30	1.38	46	0.10	12.90	188	2.2
CC160020		0.006	0.26	1.48	33	0.06	11.95	193	2.2
CC160021		0.005	0.33	2.07	40	0.09	16.80	168	1.8
CC160022		0.011	0.23	0.99	45	0.23	13.70	166	1.7
CC160023		0.007	0.18	0.96	43	0.08	11.90	167	2.6









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**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160024		0.59	31.2	770	27.6	11.4	0.002	0.06	1.84	6.2	2.3	0.5	34.6	0.01	0.04	3.6
CC160025		0.56	26.4	790	28.2	13.8	0.001	0.03	3.68	6.4	1.1	0.5	29.0	0.01	0.04	3.8
CC160026		0.38	46.5	790	29.7	12.5	0.001	0.03	1.40	7.4	1.3	0.5	49.6	0.01	0.05	4.5
CC160027		0.59	32.1	790	33.4	12.0	0.002	0.09	1.47	7.6	3.2	0.5	37.0	0.01	0.05	4.3
CC160028		0.64	34.4	790	32.6	10.4	0.001	0.06	1.06	7.0	1.7	0.5	30.6	0.01	0.04	4.9
CC160029		0.60	33.3	860	31.5	11.0	0.002	0.07	1.04	6.6	2.6	0.5	42.5	0.01	0.05	4.0
CC160030		0.58	40.8	800	28.5	10.0	0.001	0.03	3.22	7.4	1.6	0.5	37.3	0.01	0.06	4.7
CC160031		0.35	43.7	740	23.6	12.3	0.002	0.03	2.10	7.6	2.0	0.5	68.0	0.01	0.06	4.8
CC160032		0.45	30.3	790	24.6	8.2	0.002	0.07	2.19	6.4	1.6	0.4	31.2	<0.01	0.04	4.9
CC160033		0.41	29.8	530	42.8	18.3	0.002	0.07	1.85	6.0	1.5	0.4	41.1	<0.01	0.05	3.7
CC160034		0.31	22.0	580	29.0	15.1	0.001	0.05	1.18	5.1	1.4	0.4	29.2	<0.01	0.05	3.6
CC160035		0.24	25.4	470	24.8	16.9	0.001	0.04	5.38	5.1	1.1	0.4	46.1	<0.01	0.03	3.6
CC160036		0.34	29.4	600	30.8	16.1	0.001	0.05	2.22	5.6	1.2	0.5	44.7	<0.01	0.05	4.0
CC160401		0.40	30.8	570	22.2	7.0	<0.001	0.05	0.74	4.0	1.7	0.4	23.4	<0.01	0.05	1.3
CC160402		0.45	33.4	560	22.9	7.2	0.001	0.04	0.99	3.9	1.5	0.5	25.5	<0.01	0.06	1.4
CC160403		0.35	21.4	1870	9.5	4.3	0.001	0.12	1.33	1.5	1.6	0.3	67.8	<0.01	0.04	0.5
CC160404		0.26	15.4	2040	5.8	5.3	<0.001	0.15	0.36	1.0	1.6	0.2	42.9	<0.01	0.04	0.3
CC160405		1.01	15.7	190	17.4	9.6	<0.001	<0.01	0.47	2.5	0.4	0.6	11.6	<0.01	0.03	3.4
CC160406		0.75	21.8	140	21.8	10.0	<0.001	<0.01	0.58	3.5	0.6	0.6	8.7	<0.01	0.03	3.7
CC160407		0.84	30.8	560	18.5	11.1	<0.001	0.03	0.54	5.1	1.5	0.6	29.7	<0.01	0.04	2.6
CC160408		0.30	40.6	850	27.6	7.2	<0.001	0.03	0.70	5.3	1.4	0.6	27.9	<0.01	0.04	3.2
CC160409		0.42	32.5	810	20.9	12.1	0.001	0.17	0.83	4.8	1.4	0.4	102.0	<0.01	0.04	2.2
CC160410		0.08	19.8	410	2.8	1.6	0.003	0.60	1.05	0.6	0.6	<0.2	125.5	<0.01	0.03	0.3
CC160411		0.52	44.6	500	31.0	10.2	<0.001	0.01	0.67	5.8	1.4	0.6	19.4	<0.01	0.03	4.5
CC160412		0.35	41.2	650	28.0	9.6	<0.001	<0.01	0.46	5.9	1.4	0.6	19.2	<0.01	0.03	5.2
CC160413		0.42	41.8	450	26.7	10.0	<0.001	0.01	0.39	6.4	1.3	0.6	15.9	<0.01	0.04	4.7
CC160414		0.26	13.8	760	5.9	4.3	<0.001	0.13	0.36	0.8	1.0	0.2	40.6	<0.01	0.02	0.2
CC160415		0.31	19.8	1080	11.6	6.7	0.003	0.11	0.81	1.9	2.4	0.3	31.4	<0.01	0.03	0.5
CC160416		0.40	31.5	820	18.6	8.7	0.001	0.05	0.86	4.3	1.6	0.5	26.2	<0.01	0.05	2.3
CC160417		0.37	19.9	580	14.7	8.0	0.001	0.07	0.53	2.8	1.0	0.4	30.4	<0.01	0.04	1.3
CC160418		0.39	26.4	550	16.6	5.9	<0.001	0.07	0.56	2.9	1.3	0.4	25.6	<0.01	0.07	1.0
CC160419		0.43	26.8	650	15.9	6.9	0.001	0.06	0.80	2.8	1.4	0.4	28.6	<0.01	0.05	1.1
CC160420		0.45	35.2	650	20.6	9.3	0.001	0.02	0.75	4.8	1.5	0.5	27.6	<0.01	0.04	2.4
CC160421		0.44	24.8	640	17.5	7.6	0.001	0.09	0.56	2.8	1.1	0.4	39.5	<0.01	0.03	0.9
CC160422		0.31	25.6	750	13.7	7.2	0.001	0.07	0.70	2.4	1.3	0.4	41.0	<0.01	0.04	0.7
CC160423		0.34	24.7	670	14.9	7.9	0.001	0.06	0.72	3.0	1.5	0.4	37.6	<0.01	0.04	1.2
CC160424		0.36	23.7	1330	14.9	8.9	0.001	0.07	0.68	3.1	1.5	0.4	41.8	<0.01	0.08	1.0
CC160425		0.30	18.4	920	13.8	5.8	<0.001	0.09	0.51	1.9	1.3	0.4	33.4	<0.01	0.06	0.5
CC160426		0.26	18.6	760	9.3	6.9	0.001	0.14	0.42	1.7	1.1	0.3	63.0	<0.01	0.03	0.6
CC160427		0.37	28.8	680	19.7	9.1	0.001	0.04	0.40	4.2	1.4	0.5	33.0	<0.01	0.03	1.8

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		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160024		0.006	0.22	1.19	39	0.08	11.85	158	2.5
CC160025		0.007	0.18	0.86	43	0.09	12.50	154	2.4
CC160026		0.005	0.30	1.06	53	0.07	13.00	188	4.9
CC160027		0.005	0.24	1.25	54	0.08	13.35	156	3.1
CC160028		0.008	0.27	1.06	45	0.09	13.25	190	2.9
CC160029		0.005	0.21	1.85	60	0.09	12.05	168	3.1
CC160030		0.008	0.18	1.23	51	0.10	12.65	154	4.6
CC160031		0.006	0.26	0.91	50	0.07	11.60	174	6.2
CC160032		0.005	0.13	1.07	58	0.06	11.15	139	2.5
CC160033		0.005	0.15	1.74	25	0.06	11.20	445	2.4
CC160034		0.005	0.12	1.15	22	<0.05	8.87	327	1.9
CC160035		<0.005	0.20	0.79	18	<0.05	9.36	255	1.8
CC160036		0.005	0.15	1.46	24	0.09	9.89	184	2.3
CC160401		0.005	0.15	1.14	34	0.06	10.05	122	1.0
CC160402		0.005	0.24	1.18	44	0.07	8.62	114	1.0
CC160403		0.006	0.13	1.41	86	0.05	16.95	161	0.9
CC160404		0.008	0.07	1.63	25	<0.05	18.25	45	1.1
CC160405		0.020	0.14	0.53	57	0.20	3.16	78	1.3
CC160406		0.011	0.17	0.64	65	0.12	3.94	324	2.1
CC160407		0.010	0.13	2.50	46	0.13	13.50	96	1.4
CC160408		0.005	0.27	0.92	42	0.08	12.80	159	2.1
CC160409		<0.005	0.53	1.59	34	0.06	9.77	103	2.1
CC160410		<0.005	0.25	1.96	9	<0.05	1.76	85	0.9
CC160411		0.007	0.28	1.62	47	0.08	12.65	155	2.1
CC160412		0.006	0.15	1.17	34	0.06	13.35	115	1.6
CC160413		<0.005	0.13	1.04	31	<0.05	10.35	129	1.8
CC160414		0.005	0.06	1.21	14	<0.05	6.16	35	1.0
CC160415		<0.005	0.09	2.25	28	0.05	12.80	66	1.5
CC160416		0.005	0.15	1.57	35	0.13	12.70	132	1.7
CC160417		<0.005	0.10	1.05	29	0.05	6.30	109	1.3
CC160418		<0.005	0.12	0.79	38	0.07	13.45	137	1.2
CC160419		0.005	0.19	1.34	37	0.07	10.10	110	1.3
CC160420		0.005	0.23	0.78	36	0.08	9.53	126	1.5
CC160421		<0.005	0.13	1.07	27	0.06	7.34	114	1.2
CC160422		<0.005	0.13	1.55	29	0.05	9.70	88	1.2
CC160423		<0.005	0.11	1.50	31	0.05	9.80	111	1.4
CC160424		<0.005	0.10	1.14	41	0.06	15.60	116	1.2
CC160425		<0.005	0.07	0.77	33	0.06	15.85	78	0.9
CC160426		<0.005	0.07	1.54	17	<0.05	4.75	65	1.4
CC160427		<0.005	0.11	1.70	27	<0.05	10.40	134	1.3



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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 VANCOUVER BC V6B 1L8

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160428		0.21	0.004	0.05	1.32	14.3	<0.2	<10	230	0.94	0.31	0.60	0.28	19.70	15.3	23
CC160429		0.17	0.010	0.08	1.58	18.0	<0.2	<10	280	1.25	0.36	0.51	0.37	24.2	17.4	26
CC160430		0.25	0.009	0.03	1.26	18.7	<0.2	<10	190	0.86	0.36	0.22	0.32	18.75	15.4	22
CC160431		0.31	0.010	0.15	1.38	18.0	<0.2	<10	280	0.95	0.28	1.22	0.66	19.95	12.1	25
CC160432		0.19	0.010	0.23	0.97	38.6	<0.2	<10	470	0.64	0.19	2.46	1.05	12.45	8.3	17
CC160433		0.31	0.005	0.21	1.24	24.6	<0.2	<10	360	0.88	0.26	1.35	0.88	19.70	11.6	22
CC160434		0.23	0.009	0.13	1.51	20.3	<0.2	<10	330	0.93	0.26	1.10	0.35	16.95	12.1	24
CC160435		0.35	0.003	0.11	1.34	16.3	<0.2	<10	250	0.94	0.33	0.74	0.33	16.95	13.8	23
CC160436		0.15	0.004	0.10	0.86	9.3	<0.2	<10	430	0.55	0.18	3.82	0.42	9.54	8.2	13
CC160437		0.27	0.004	0.19	1.24	26.9	<0.2	<10	360	0.90	0.29	1.27	0.92	19.85	14.4	22
CC160438		0.14	0.012	0.09	1.15	11.8	<0.2	<10	290	0.87	0.25	2.07	0.54	14.25	11.1	18
CC160439		0.12	0.010	0.12	0.79	7.6	<0.2	<10	300	0.64	0.15	3.85	0.53	6.80	6.9	12
CC160440		0.30	0.004	0.14	1.28	15.8	<0.2	<10	280	1.02	0.28	1.59	0.44	14.55	12.1	21
CC160441		0.22	0.004	0.13	1.04	15.0	<0.2	<10	260	0.85	0.23	1.97	0.57	10.75	10.7	17
CC160442		0.28	0.004	0.17	1.29	18.3	<0.2	<10	280	0.92	0.28	1.17	0.53	14.20	10.9	23
CC160443		0.17	0.012	0.15	1.06	14.3	<0.2	<10	390	0.86	0.24	2.29	0.47	9.96	9.7	18
CC160444		0.22	0.010	0.13	1.01	12.1	<0.2	<10	310	0.88	0.25	1.50	0.42	11.85	9.9	18
CC160445		0.33	0.005	0.15	1.27	16.6	<0.2	<10	320	0.98	0.29	1.03	0.43	15.45	10.1	22
CC160446		0.13	0.009	0.17	1.15	14.4	<0.2	<10	360	0.93	0.25	1.79	0.47	11.80	9.3	19
CC160447		0.11	0.012	0.15	0.98	15.6	<0.2	10	530	0.80	0.18	2.71	1.51	8.06	9.1	15
CC160448		0.10	0.011	0.16	0.65	30.7	<0.2	10	590	0.49	0.12	2.33	1.49	4.43	20.5	9
CC160449		0.27	0.006	0.53	0.92	38.1	<0.2	10	350	0.88	0.27	0.69	1.12	11.15	10.5	19
CC160450		0.19	0.012	0.33	0.91	52.8	<0.2	10	260	0.91	0.28	1.04	1.47	11.90	7.6	18
CC160451		0.22	0.010	0.22	1.05	44.2	<0.2	10	190	0.87	0.24	1.22	0.75	11.90	11.9	20
CC160398		0.18	0.002	0.03	1.87	59.2	<0.2	<10	180	1.01	0.37	0.12	0.28	16.45	17.1	27
CC160399		0.24	0.002	0.03	1.48	62.3	<0.2	<10	170	0.82	0.35	0.12	0.31	19.15	13.9	22
CC160400		0.27	0.003	0.09	1.25	82.0	<0.2	<10	400	1.04	0.34	0.29	0.29	17.55	11.1	22

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160428		0.81	28.0	3.76	4.33	0.07	0.06	0.20	0.035	0.09	7.7	20.7	0.41	802	1.20	0.02
CC160429		0.75	34.6	4.11	5.02	0.07	0.07	0.22	0.040	0.09	11.6	21.6	0.40	791	1.36	0.02
CC160430		0.67	29.3	4.07	4.31	0.05	0.03	0.18	0.038	0.07	8.2	18.1	0.33	757	1.31	0.02
CC160431		0.88	30.5	3.40	4.30	0.07	0.08	0.29	0.033	0.12	10.1	21.6	0.38	540	1.40	0.02
CC160432		1.21	23.6	2.29	2.84	0.05	0.05	0.95	0.026	0.07	6.3	10.1	0.26	496	1.69	0.02
CC160433		2.64	29.0	3.04	3.88	0.06	0.06	0.59	0.035	0.12	9.0	16.7	0.44	357	1.66	0.02
CC160434		0.70	18.2	4.27	4.18	0.05	0.08	0.33	0.034	0.11	7.5	20.4	0.37	488	1.26	0.02
CC160435		0.94	29.9	3.76	4.27	0.06	0.06	0.15	0.036	0.12	7.5	22.7	0.42	641	1.15	0.02
CC160436		0.38	17.9	2.06	2.66	<0.05	0.03	0.60	0.023	0.05	4.8	9.1	0.30	485	0.59	0.02
CC160437		0.92	32.8	3.74	3.91	0.07	0.06	0.38	0.036	0.12	10.3	16.2	0.55	574	1.59	0.02
CC160438		0.57	20.2	2.79	3.68	0.05	0.05	0.18	0.031	0.10	7.6	16.1	0.29	534	0.77	0.02
CC160439		0.58	24.3	1.63	2.39	<0.05	0.04	0.18	0.020	0.08	4.8	8.7	0.23	414	0.68	0.02
CC160440		0.93	28.6	3.29	3.97	0.06	0.05	0.35	0.038	0.12	8.0	16.9	0.35	538	1.39	0.02
CC160441		0.72	24.4	3.04	2.94	0.05	0.04	0.23	0.031	0.10	5.4	12.3	0.27	472	1.27	0.02
CC160442		1.01	33.0	3.42	3.81	0.06	0.05	0.33	0.038	0.12	8.0	16.2	0.33	424	1.39	0.02
CC160443		0.69	26.7	2.81	2.96	0.05	0.04	0.23	0.033	0.11	5.3	11.1	0.26	416	1.36	0.02
CC160444		0.66	26.8	2.66	3.07	0.05	0.05	0.24	0.033	0.09	5.5	13.0	0.27	328	1.09	0.02
CC160445		0.79	30.2	3.48	3.86	0.06	0.06	0.36	0.037	0.13	7.9	17.0	0.34	326	1.41	0.02
CC160446		0.74	29.3	2.99	3.45	0.05	0.05	0.27	0.034	0.11	5.9	14.1	0.28	416	1.22	0.02
CC160447		1.67	31.8	3.33	2.49	0.05	0.07	0.22	0.022	0.05	3.6	9.7	0.17	519	5.16	0.02
CC160448		1.04	27.2	6.79	1.82	<0.05	0.04	0.16	0.020	0.05	2.0	4.3	0.15	2290	6.09	0.03
CC160449		2.22	53.2	2.33	3.27	<0.05	0.08	0.56	0.037	0.08	5.2	14.9	0.21	613	8.95	0.01
CC160450		2.21	47.3	1.77	3.06	<0.05	0.08	0.61	0.035	0.07	5.5	12.9	0.19	211	6.73	0.01
CC160451		2.53	41.1	1.80	3.39	<0.05	0.06	0.37	0.035	0.08	5.3	17.6	0.28	176	7.43	<0.01
CC160398		1.18	25.3	4.52	5.13	<0.05	0.03	0.78	0.049	0.06	6.2	28.2	0.36	852	1.05	0.01
CC160399		0.92	22.3	4.03	4.49	<0.05	0.02	3.39	0.043	0.05	7.2	22.6	0.31	694	1.04	<0.01
CC160400		0.93	23.4	3.55	4.08	<0.05	0.05	1.50	0.035	0.07	7.7	21.2	0.35	524	1.05	0.01

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



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**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC160428		0.48	32.0	280	24.3	9.3	<0.001	0.01	0.48	4.7	1.2	0.5	20.7	<0.01	0.03	3.6
CC160429		0.48	36.7	280	26.2	10.0	<0.001	0.01	0.47	6.4	1.3	0.6	19.8	<0.01	0.03	4.4
CC160430		0.51	30.7	310	27.8	8.7	<0.001	<0.01	0.39	4.1	0.7	0.5	11.6	<0.01	0.03	3.8
CC160431		0.58	30.9	670	20.4	11.8	0.001	0.07	0.54	5.0	1.3	0.5	39.2	<0.01	0.03	2.9
CC160432		0.38	23.4	920	14.0	8.0	0.005	0.13	1.10	2.3	3.6	0.4	63.0	<0.01	0.03	0.7
CC160433		0.46	32.2	810	21.0	12.2	0.002	0.06	1.13	4.9	2.0	0.5	38.3	<0.01	0.04	3.1
CC160434		0.42	23.0	700	25.4	11.6	0.001	0.09	0.21	4.5	1.7	0.5	32.6	<0.01	0.04	2.8
CC160435		0.45	29.5	650	23.2	9.9	<0.001	0.02	0.45	4.7	1.1	0.5	24.6	<0.01	0.04	3.9
CC160436		0.37	16.0	690	13.7	5.2	<0.001	0.11	0.41	2.0	1.3	0.3	64.1	<0.01	0.02	0.6
CC160437		0.41	38.8	1090	26.2	9.2	0.001	0.01	0.71	5.5	1.1	0.5	25.4	<0.01	0.05	3.8
CC160438		0.40	25.4	580	16.8	8.9	0.001	0.06	0.39	3.9	1.2	0.5	33.0	<0.01	0.03	1.7
CC160439		0.27	21.7	760	8.4	7.6	<0.001	0.14	0.50	1.5	1.3	0.3	50.2	<0.01	0.02	0.4
CC160440		0.43	32.7	650	19.9	10.5	0.001	0.05	0.55	4.5	1.6	0.5	29.9	<0.01	0.04	2.1
CC160441		0.34	28.7	680	15.5	8.4	<0.001	0.07	0.48	3.5	1.2	0.4	25.8	<0.01	0.04	1.4
CC160442		0.47	33.9	690	18.2	10.2	0.001	0.05	0.55	5.1	1.4	0.5	24.5	<0.01	0.05	2.2
CC160443		0.34	26.7	700	15.5	8.8	0.001	0.08	0.61	3.2	1.4	0.4	35.9	<0.01	0.04	1.0
CC160444		0.40	27.3	610	17.9	8.0	0.002	0.07	0.50	3.6	1.3	0.4	30.8	<0.01	0.04	1.5
CC160445		0.44	30.0	670	18.6	9.8	0.001	0.04	0.53	4.8	1.9	0.5	28.0	<0.01	0.03	2.6
CC160446		0.38	26.4	700	16.5	9.3	0.004	0.11	0.56	4.0	1.9	0.5	36.0	<0.01	0.03	1.6
CC160447		0.43	41.1	590	10.3	5.8	0.007	0.44	0.48	2.6	4.4	0.3	49.3	<0.01	0.02	1.4
CC160448		0.32	33.5	990	6.5	4.4	0.010	0.55	0.62	1.6	2.6	0.2	59.9	<0.01	<0.01	0.6
CC160449		0.42	44.5	450	19.2	11.7	0.014	0.15	2.60	4.2	6.5	0.5	42.6	<0.01	0.07	2.3
CC160450		0.44	44.7	490	20.7	11.3	0.019	0.19	1.33	4.1	5.9	0.5	40.0	<0.01	0.05	2.0
CC160451		0.48	52.8	500	15.7	12.8	0.019	0.28	1.16	3.7	5.1	0.5	44.8	<0.01	0.02	2.3
CC160398		0.71	35.6	410	29.5	13.5	<0.001	0.01	0.65	3.6	0.2	0.6	8.9	<0.01	0.02	3.2
CC160399		0.63	26.2	330	28.7	10.3	<0.001	0.01	0.76	3.1	0.5	0.6	9.2	<0.01	0.02	3.3
CC160400		0.54	28.8	390	25.0	9.2	<0.001	0.02	0.94	3.9	0.5	0.6	14.9	<0.01	0.01	3.2

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**CERTIFICATE OF ANALYSIS WH12158547**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160428		0.008	0.13	0.91	31	0.06	8.20	114	1.8
CC160429		0.006	0.14	0.96	38	0.06	15.35	112	1.8
CC160430		0.008	0.09	0.80	35	0.06	6.45	116	1.0
CC160431		0.008	0.17	1.13	38	0.09	12.00	142	2.2
CC160432		0.005	0.38	2.20	40	0.12	9.72	120	1.4
CC160433		0.005	0.41	1.15	46	0.07	11.95	161	2.0
CC160434		<0.005	0.15	1.47	38	0.07	9.32	161	1.9
CC160435		0.006	0.12	1.17	31	0.05	9.03	145	1.9
CC160436		0.006	0.06	2.25	21	0.05	5.69	53	1.0
CC160437		0.006	0.18	0.93	40	0.06	13.75	162	2.0
CC160438		<0.005	0.11	0.97	29	<0.05	11.40	116	1.5
CC160439		<0.005	0.08	2.00	20	<0.05	9.01	78	1.2
CC160440		0.005	0.15	1.23	32	0.06	12.85	123	1.5
CC160441		<0.005	0.12	1.13	29	0.05	8.89	122	1.2
CC160442		0.005	0.15	1.17	35	0.07	12.05	143	1.5
CC160443		<0.005	0.12	1.79	29	0.05	9.06	120	1.2
CC160444		<0.005	0.11	1.33	29	0.05	8.18	107	1.3
CC160445		0.005	0.13	1.18	35	0.06	10.55	133	1.7
CC160446		<0.005	0.14	1.83	31	0.05	9.29	122	1.6
CC160447		<0.005	0.56	10.65	23	0.07	5.34	135	1.9
CC160448		<0.005	0.29	4.00	16	0.08	3.30	111	1.3
CC160449		<0.005	0.90	2.56	76	0.07	8.02	141	3.1
CC160450		<0.005	0.77	3.55	64	0.07	8.89	111	2.9
CC160451		<0.005	0.61	4.15	44	0.05	7.78	703	2.3
CC160398		0.006	0.17	0.62	38	0.07	4.33	113	1.1
CC160399		0.007	0.17	0.65	34	0.10	4.33	105	0.8
CC160400		0.008	0.18	0.77	32	0.08	7.27	124	1.5

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12158547**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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**VANCOUVER BC V6B 1L8**

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**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12158548**

Project: Crag East 3  
 P.O. No.:  
 This report is for 156 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

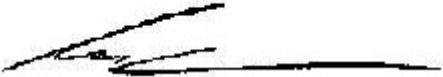
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager









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

To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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 Plus Appendix Pages  
 Finalized Date: 26- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03801		1.56	10.5	330	16.3	13.0	<0.001	0.01	0.65	2.3	0.4	0.8	7.7	<0.01	0.04	2.4
ZZ03802		1.00	13.5	210	18.6	11.5	<0.001	0.01	0.52	2.6	0.4	0.8	7.0	<0.01	0.03	2.7
ZZ03803		0.52	33.6	230	32.8	14.3	<0.001	0.01	0.57	4.7	0.7	0.7	9.0	<0.01	0.04	4.7
ZZ03804		1.00	13.4	190	18.5	11.4	<0.001	0.02	0.53	2.5	0.4	0.8	6.6	<0.01	0.03	2.8
ZZ03805		0.50	23.0	590	25.3	16.4	<0.001	0.03	0.48	4.4	0.8	0.6	40.7	<0.01	0.01	2.2
ZZ03806		0.54	34.9	630	28.5	9.4	<0.001	0.01	0.74	4.8	0.9	0.6	25.0	<0.01	0.04	4.3
ZZ03807		0.64	18.3	380	20.5	11.5	<0.001	0.01	0.44	2.8	0.6	0.6	18.7	<0.01	0.01	2.2
ZZ03808		0.66	25.7	270	25.7	12.4	<0.001	0.01	0.48	3.2	0.3	0.6	10.8	<0.01	<0.01	3.1
ZZ03809		0.65	26.1	510	17.7	9.8	<0.001	0.03	0.59	3.6	0.8	0.5	23.2	<0.01	0.01	2.1
ZZ03810		0.48	19.7	640	15.1	19.7	<0.001	0.06	0.47	4.4	1.6	0.6	80.0	<0.01	<0.01	1.7
ZZ03811		0.46	19.5	440	21.6	15.1	0.001	0.12	0.21	4.6	1.2	0.5	30.7	<0.01	<0.01	3.0
ZZ03812		0.60	32.2	780	22.5	20.5	0.002	0.06	1.18	5.4	2.7	0.5	35.5	<0.01	0.03	2.2
ZZ03813		0.93	30.7	560	16.8	18.1	<0.001	0.02	0.83	4.8	0.9	0.5	22.3	<0.01	0.01	3.9
ZZ03814		0.49	27.9	570	19.5	9.5	<0.001	0.04	0.85	4.0	1.1	0.5	22.1	<0.01	0.01	1.8
ZZ03815		0.49	25.4	680	69.3	15.8	<0.001	0.04	1.34	3.9	0.6	0.5	18.3	<0.01	0.02	2.0
ZZ03816		0.49	25.0	510	68.7	9.3	<0.001	0.04	1.60	3.7	0.7	0.5	20.8	<0.01	0.03	1.8
ZZ03817		0.45	26.9	570	47.0	9.1	<0.001	0.06	2.32	3.9	1.0	0.5	26.6	<0.01	0.03	1.7
ZZ03818		0.57	35.7	650	33.0	9.8	<0.001	0.02	1.38	5.0	1.1	0.5	22.3	<0.01	0.01	3.2
ZZ03819		0.33	21.8	790	27.7	6.3	<0.001	0.04	1.77	4.2	0.9	0.4	39.9	<0.01	0.03	2.3
ZZ03820		0.46	28.8	410	19.6	10.8	0.001	0.03	0.71	5.1	1.3	0.5	25.0	<0.01	0.01	3.0
ZZ03821		0.46	24.3	720	28.9	13.6	0.002	0.07	1.19	3.7	1.5	0.4	38.7	<0.01	0.03	1.9
ZZ03822		0.61	22.5	370	29.2	10.5	<0.001	0.03	0.94	3.0	0.9	0.5	23.2	<0.01	0.02	1.7
ZZ03823		0.46	25.3	760	20.3	8.6	0.001	0.07	0.87	2.9	2.0	0.4	33.1	<0.01	0.02	1.2
ZZ03824		0.45	27.8	600	22.5	8.6	<0.001	0.04	0.89	3.9	1.4	0.4	27.3	<0.01	0.03	1.7
ZZ03825		0.57	28.4	600	22.5	10.4	<0.001	0.03	0.85	4.6	1.0	0.5	28.3	<0.01	0.01	2.4
ZZ03826		0.52	21.9	770	21.5	10.3	0.001	0.07	0.78	3.2	2.2	0.5	34.9	<0.01	0.02	1.2
ZZ03827		0.50	25.1	490	20.3	7.6	<0.001	0.03	0.66	3.9	1.2	0.5	24.5	<0.01	0.03	2.1
ZZ03828		0.48	31.1	550	25.9	9.2	<0.001	0.02	0.83	4.4	1.2	0.5	26.2	<0.01	<0.01	3.0
ZZ03829		0.28	48.1	620	24.5	13.1	0.001	0.03	1.00	6.5	1.1	0.6	55.5	<0.01	0.05	5.4
ZZ03830		0.52	30.3	800	26.9	10.5	<0.001	0.05	0.92	6.5	1.2	0.5	27.5	<0.01	0.04	2.5
ZZ03831		0.64	17.2	490	23.5	10.7	<0.001	0.06	1.28	3.0	0.9	0.5	26.8	<0.01	0.04	1.5
ZZ03832		0.48	26.5	830	22.5	15.4	0.002	0.10	2.10	4.1	2.0	0.5	33.8	<0.01	0.04	1.6
ZZ03833		0.48	36.7	620	30.2	9.1	<0.001	0.02	1.14	5.5	0.8	0.5	19.2	<0.01	0.04	4.8
ZZ03834		1.40	19.6	500	21.5	12.1	<0.001	0.04	1.53	2.9	0.5	0.7	16.9	<0.01	0.04	2.1
ZZ03835		0.34	31.5	730	26.0	7.0	0.001	0.04	1.63	6.2	0.8	0.3	25.8	<0.01	0.03	4.3
ZZ03836		0.84	32.9	800	34.9	10.0	0.001	0.03	1.11	4.8	1.0	0.4	15.0	0.01	0.03	3.3
ZZ03837		0.53	29.8	610	20.9	11.1	0.002	0.06	0.83	5.2	2.0	0.4	35.6	<0.01	0.03	2.7
ZZ03838		0.61	26.7	730	16.9	11.9	0.001	0.04	0.87	4.9	1.1	0.4	32.9	<0.01	0.03	2.8
ZZ03839		0.65	29.3	490	25.0	11.6	0.001	0.03	1.53	5.1	0.8	0.5	21.8	<0.01	0.04	4.4
ZZ03840		0.56	31.6	530	23.4	17.1	0.004	0.20	6.91	6.3	3.1	0.5	41.6	<0.01	0.03	3.9

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03801		0.037	0.17	0.47	58	0.26	2.31	49	<0.5
ZZ03802		0.013	0.14	0.46	48	0.15	2.56	65	0.6
ZZ03803		0.005	0.16	0.77	36	0.07	5.38	106	1.7
ZZ03804		0.015	0.13	0.51	47	0.15	2.57	48	0.6
ZZ03805		0.007	0.10	1.16	31	0.14	24.2	79	1.5
ZZ03806		0.007	0.15	1.26	31	0.06	9.38	129	1.3
ZZ03807		0.010	0.12	0.93	42	0.13	5.74	73	<0.5
ZZ03808		0.008	0.15	0.67	37	0.11	5.56	96	0.7
ZZ03809		0.015	0.12	1.80	35	0.16	7.87	117	1.2
ZZ03810		<0.005	0.13	2.12	29	0.06	14.40	119	1.7
ZZ03811		<0.005	0.13	1.33	21	<0.05	12.15	117	2.1
ZZ03812		0.007	0.25	4.58	42	0.11	19.25	104	2.7
ZZ03813		0.032	0.16	1.00	41	0.17	12.40	97	1.7
ZZ03814		0.007	0.19	1.10	39	0.08	8.66	146	1.5
ZZ03815		0.007	0.32	2.42	46	0.09	8.76	930	1.6
ZZ03816		0.006	0.23	1.46	32	0.07	8.48	546	1.4
ZZ03817		<0.005	0.24	1.54	34	0.10	9.28	464	1.8
ZZ03818		0.010	0.28	1.16	47	0.08	12.30	431	1.7
ZZ03819		<0.005	0.44	1.39	26	0.05	11.05	257	1.5
ZZ03820		0.005	0.24	1.63	43	0.05	11.75	459	1.8
ZZ03821		0.005	0.21	1.27	34	0.05	9.29	251	1.9
ZZ03822		0.010	0.18	1.31	47	0.09	7.08	120	0.9
ZZ03823		0.005	0.18	2.06	39	0.07	8.17	174	1.5
ZZ03824		0.005	0.17	1.33	35	0.10	9.80	145	1.5
ZZ03825		0.007	0.16	1.42	37	0.08	9.85	150	1.6
ZZ03826		0.006	0.13	2.55	36	0.10	7.96	154	1.3
ZZ03827		0.009	0.13	1.06	35	0.09	8.05	117	1.1
ZZ03828		0.007	0.20	1.43	42	0.07	8.06	139	1.3
ZZ03829		<0.005	0.34	1.20	61	0.06	12.90	202	3.3
ZZ03830		0.011	0.19	1.79	34	0.09	17.45	120	1.2
ZZ03831		0.010	0.15	2.10	37	0.10	6.31	105	1.0
ZZ03832		0.006	0.51	5.41	34	0.08	10.20	174	1.7
ZZ03833		0.010	0.25	1.17	37	0.08	10.55	140	1.1
ZZ03834		0.035	0.17	1.07	55	0.26	6.13	119	<0.5
ZZ03835		0.006	0.25	1.33	33	0.06	14.85	182	1.7
ZZ03836		0.009	0.25	1.18	34	0.11	12.20	142	1.9
ZZ03837		0.006	0.20	0.99	31	0.07	10.90	127	2.2
ZZ03838		0.008	0.22	0.93	35	0.09	9.38	142	1.9
ZZ03839		0.014	0.31	0.91	36	0.10	10.75	126	1.8
ZZ03840		0.005	0.23	1.98	39	0.07	12.75	159	3.4





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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ03841		6.19	40.5	1.78	3.97	<0.05	0.08	0.67	0.034	0.09	7.7	28.8	0.36	246	0.52	0.03
ZZ03842		0.88	22.1	3.00	4.01	0.05	0.04	0.36	0.032	0.08	10.3	23.4	0.39	315	1.49	0.03
ZZ03843		1.04	27.0	2.99	3.67	0.05	0.06	0.53	0.034	0.08	10.0	23.8	0.50	508	1.12	0.03
ZZ03844		1.27	27.9	3.30	3.51	0.05	0.06	0.44	0.032	0.09	8.9	21.5	0.46	775	1.04	0.04
ZZ03845		1.13	42.6	3.78	4.25	0.06	0.09	1.42	0.038	0.12	11.1	21.9	0.53	3520	2.56	0.03
ZZ03846		1.21	44.4	4.43	4.73	0.08	0.10	0.51	0.042	0.13	11.6	30.4	0.55	755	1.73	0.03
ZZ03847		3.14	26.0	2.56	3.45	0.05	0.07	0.88	0.033	0.07	7.8	18.8	0.32	209	1.27	0.03
ZZ03848		2.47	28.0	1.88	4.63	0.05	0.08	0.55	0.034	0.12	9.1	29.5	0.42	138	0.42	0.03
ZZ03849		1.30	43.8	4.01	4.35	0.07	0.07	0.65	0.042	0.13	13.2	27.1	0.50	702	1.74	0.03
ZZ03850		1.07	43.8	3.64	4.38	0.06	0.10	0.49	0.041	0.12	11.3	28.6	0.54	295	1.87	0.03
ZZ03751		0.72	38.1	2.71	3.97	0.06	0.09	0.54	0.033	0.09	9.7	22.2	0.77	244	0.74	0.03
ZZ03752		0.78	38.0	3.46	4.27	0.06	0.07	0.33	0.035	0.09	11.6	23.6	0.52	674	1.30	0.03
ZZ03753		1.79	46.7	3.78	3.56	0.08	0.09	0.35	0.032	0.11	10.6	20.5	0.74	619	2.40	0.04
ZZ03754		2.81	33.5	2.04	3.02	0.05	0.09	0.37	0.035	0.11	7.8	19.1	0.50	166	1.92	0.03
ZZ03755		3.62	21.3	2.45	3.82	<0.05	0.03	0.17	0.028	0.06	9.2	18.0	0.35	382	0.74	0.03
ZZ03756		1.29	18.9	2.74	2.25	0.05	0.04	84.8	0.022	0.06	7.9	11.4	3.87	864	1.32	0.04
ZZ03757		5.14	21.0	2.53	1.78	0.05	0.04	2.29	0.029	0.06	7.1	8.0	0.12	309	0.64	0.03
ZZ03758		7.01	30.2	3.41	4.40	0.06	0.05	0.61	0.037	0.09	13.6	23.4	0.46	505	1.88	0.03
ZZ03759		1.73	12.3	3.61	5.93	0.06	0.03	0.09	0.039	0.09	16.1	22.8	0.45	491	1.40	0.03
ZZ03760		1.10	15.1	4.02	4.37	0.05	0.04	0.36	0.036	0.07	8.1	17.6	0.27	841	2.08	0.03
ZZ03761		0.85	20.5	2.73	4.18	0.05	0.04	0.25	0.032	0.06	10.8	18.6	0.39	535	1.23	0.03
ZZ03762		0.98	34.5	3.30	4.34	0.06	0.05	1.21	0.035	0.09	13.9	21.0	0.45	586	1.57	0.03
ZZ03763		0.98	37.8	3.16	4.14	0.06	0.05	0.44	0.033	0.09	11.8	21.4	0.41	714	1.98	0.03
ZZ03764		1.06	48.1	4.26	4.30	0.07	0.05	0.17	0.038	0.10	11.8	34.6	0.47	666	2.05	0.03
ZZ03765		2.20	17.3	2.60	2.01	<0.05	0.04	0.69	0.029	0.05	9.1	8.2	0.26	624	0.81	<0.01
CC160226		1.39	37.3	4.64	5.00	0.05	0.04	0.55	0.046	0.07	7.3	23.6	0.35	621	1.18	0.01
CC160227		4.36	23.7	4.84	7.52	<0.05	0.03	0.03	0.036	0.07	7.1	30.2	0.40	797	1.23	0.01
CC160228		1.53	27.1	4.21	5.26	<0.05	0.03	0.08	0.044	0.07	7.7	28.4	0.30	524	1.11	<0.01
CC160229		4.87	19.9	3.42	5.35	<0.05	0.02	0.05	0.030	0.07	9.4	34.2	0.28	400	1.08	0.01
CC160230		1.43	38.4	4.18	5.23	0.05	0.03	0.19	0.046	0.08	7.2	23.8	0.29	485	1.16	<0.01
CC160231		1.25	43.3	3.80	4.06	0.05	0.06	0.28	0.041	0.10	8.7	20.9	0.35	632	1.17	0.01
CC160232		2.10	43.0	4.24	2.05	0.06	0.04	0.11	0.054	0.08	13.6	11.2	0.20	407	0.79	<0.01
CC160233		0.70	43.7	4.09	4.35	0.05	0.08	0.37	0.040	0.08	9.5	18.7	0.37	908	0.97	<0.01
CC160234		1.89	39.2	3.77	1.64	<0.05	0.04	0.23	0.040	0.11	9.8	5.0	0.14	981	1.09	<0.01
CC160235		7.67	27.1	2.84	3.23	0.05	0.06	1.07	0.028	0.09	10.3	12.6	0.47	539	0.77	0.01
CC160236		9.55	50.0	3.47	3.60	0.05	0.07	18.65	0.034	0.09	12.0	13.5	0.46	763	1.35	0.01
CC160237		7.94	40.9	3.69	3.03	<0.05	0.05	38.0	0.034	0.08	8.5	7.4	1.40	951	0.97	0.01
CC160238		0.83	10.9	2.40	1.10	<0.05	0.04	1.21	0.015	0.03	10.5	2.8	6.83	1610	0.42	0.02
CC160239		3.21	30.2	3.21	3.76	<0.05	0.07	1.10	0.033	0.10	7.5	14.6	0.45	591	1.12	0.01
CC160240		1.81	24.2	4.84	4.59	0.05	0.07	5.87	0.047	0.09	6.2	27.3	0.26	885	0.89	0.01

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ZZ03841		0.54	27.9	490	21.7	13.9	0.003	0.20	8.26	5.1	1.8	0.6	38.1	<0.01	0.03	2.9
ZZ03842		0.58	28.1	580	18.8	8.8	0.001	0.04	0.69	4.2	0.7	0.4	26.9	<0.01	0.04	2.9
ZZ03843		0.63	25.7	810	24.3	10.7	0.002	0.28	1.89	4.6	1.7	0.4	40.2	<0.01	0.04	2.4
ZZ03844		0.55	26.3	890	20.2	13.0	0.003	0.17	4.78	4.4	1.9	0.5	52.1	<0.01	0.04	2.1
ZZ03845		0.49	41.0	830	25.7	11.3	0.001	0.07	12.75	6.2	1.4	0.5	41.4	<0.01	0.04	4.4
ZZ03846		0.41	38.3	800	24.6	10.8	0.001	0.06	60.0	6.6	1.6	0.5	35.9	<0.01	0.05	4.2
ZZ03847		0.42	27.2	600	21.3	9.0	0.003	0.14	31.4	4.3	1.8	0.4	48.4	<0.01	0.03	2.4
ZZ03848		0.46	26.9	720	17.7	13.7	0.002	0.14	2.15	5.1	2.1	0.5	50.9	<0.01	0.03	2.6
ZZ03849		0.53	35.5	860	29.9	11.1	0.001	0.05	1.13	6.7	1.2	0.5	33.1	<0.01	0.05	3.4
ZZ03850		0.47	37.0	710	29.4	10.2	0.003	0.04	1.15	6.3	1.1	0.5	31.1	<0.01	0.05	5.1
ZZ03751		0.48	26.8	860	22.8	9.0	0.003	0.15	1.16	5.1	3.2	0.4	34.1	<0.01	0.04	2.5
ZZ03752		0.44	29.6	1000	20.0	9.9	0.004	0.11	0.74	5.1	2.2	0.4	40.4	<0.01	0.05	2.2
ZZ03753		0.72	32.4	730	22.6	11.7	0.007	0.21	1.37	5.4	7.2	0.4	65.2	<0.01	0.04	3.1
ZZ03754		0.53	27.9	540	25.1	14.8	0.010	0.81	5.80	5.7	1.7	0.4	63.8	<0.01	0.03	3.9
ZZ03755		0.79	17.8	720	12.3	13.0	<0.001	0.08	6.73	2.9	0.9	0.4	58.6	<0.01	0.03	1.1
ZZ03756		0.43	18.0	680	25.0	8.5	<0.001	0.05	25.1	3.2	0.8	0.3	44.5	<0.01	0.03	1.3
ZZ03757		0.28	23.1	480	24.4	11.4	0.001	0.07	12.15	3.4	1.2	0.3	54.1	<0.01	0.03	1.5
ZZ03758		0.77	35.5	720	20.8	14.1	<0.001	0.05	2.78	5.4	1.1	0.5	38.1	<0.01	0.04	2.2
ZZ03759		1.16	26.3	610	18.1	14.5	<0.001	0.03	0.48	4.2	0.5	0.7	16.7	<0.01	0.03	3.1
ZZ03760		0.92	20.6	340	21.1	10.9	<0.001	0.04	1.01	3.0	0.5	0.6	19.0	<0.01	0.04	3.1
ZZ03761		0.75	22.2	910	16.7	8.9	<0.001	0.08	0.81	3.1	1.1	0.4	42.3	<0.01	0.03	1.1
ZZ03762		0.74	34.3	510	20.7	9.9	<0.001	0.03	1.06	5.5	0.8	0.5	22.3	<0.01	0.04	2.9
ZZ03763		0.62	33.2	810	25.0	8.6	0.001	0.04	0.95	4.7	1.1	0.4	30.7	<0.01	0.05	2.4
ZZ03764		0.33	40.6	610	24.9	11.6	<0.001	0.02	0.58	5.0	0.9	0.4	18.5	<0.01	0.05	4.8
ZZ03765		0.39	20.6	440	41.8	6.6	<0.001	0.03	1.02	3.3	0.8	0.3	37.9	<0.01	0.03	1.7
CC160226		0.39	33.3	200	29.4	14.4	<0.001	<0.01	0.54	5.3	0.6	0.6	7.9	<0.01	0.05	5.9
CC160227		0.83	20.0	490	48.4	11.3	<0.001	0.01	0.58	3.2	0.5	0.7	8.8	<0.01	0.05	3.6
CC160228		0.55	29.5	290	26.3	14.0	<0.001	<0.01	0.46	3.7	0.5	0.6	9.5	<0.01	0.05	4.3
CC160229		0.64	17.0	270	19.1	18.1	<0.001	<0.01	0.38	3.1	0.3	0.6	9.1	<0.01	0.04	3.1
CC160230		0.32	28.8	140	25.8	14.0	<0.001	<0.01	0.46	4.9	0.6	0.7	11.3	<0.01	0.04	5.1
CC160231		0.32	31.7	490	23.5	9.3	<0.001	<0.01	0.53	6.0	0.9	0.5	24.1	<0.01	0.04	4.9
CC160232		0.18	28.2	340	18.3	8.9	<0.001	<0.01	0.25	7.7	0.6	0.5	39.6	0.01	0.03	4.6
CC160233		0.34	31.7	230	30.4	7.6	<0.001	<0.01	0.50	7.0	0.7	0.5	15.3	<0.01	0.05	5.3
CC160234		0.24	30.2	200	24.6	9.5	<0.001	<0.01	0.51	6.3	0.3	0.4	34.8	<0.01	0.04	5.3
CC160235		0.62	23.9	750	129.0	13.9	<0.001	0.05	2.61	4.4	0.7	0.4	26.1	<0.01	0.05	1.9
CC160236		0.68	30.9	550	180.0	10.9	<0.001	0.02	9.90	6.5	0.8	0.5	23.1	<0.01	0.05	3.8
CC160237		0.37	26.5	630	2820	8.3	<0.001	0.06	75.3	5.7	0.8	0.6	23.8	<0.01	0.06	1.7
CC160238		0.16	9.9	1500	107.5	4.0	<0.001	0.06	7.61	1.8	0.6	0.2	49.2	<0.01	0.05	0.4
CC160239		0.41	24.2	780	47.6	11.7	<0.001	0.06	1.91	4.0	1.0	0.5	29.1	<0.01	0.05	1.4
CC160240		0.35	26.4	380	66.3	14.7	<0.001	0.01	1.00	4.6	0.5	0.6	9.5	<0.01	0.04	4.3

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



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**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03841		0.005	0.25	2.44	32	0.07	10.50	130	2.5
ZZ03842		0.011	0.15	1.38	42	0.09	8.91	111	1.3
ZZ03843		0.010	0.18	1.86	40	0.09	11.00	172	1.8
ZZ03844		0.008	0.21	2.42	41	0.10	10.90	170	2.1
ZZ03845		0.008	0.22	1.64	50	0.09	12.45	171	3.0
ZZ03846		<0.005	0.77	1.40	54	0.08	12.10	248	3.6
ZZ03847		<0.005	0.83	2.51	37	0.06	9.52	180	2.2
ZZ03848		<0.005	0.29	2.35	33	0.05	10.15	121	2.8
ZZ03849		0.009	0.33	1.26	50	0.10	14.05	169	2.2
ZZ03850		0.005	0.20	1.03	47	0.07	11.65	155	4.1
ZZ03751		0.005	0.15	2.49	36	0.06	11.15	135	2.9
ZZ03752		0.005	0.16	2.03	45	0.07	12.85	136	2.0
ZZ03753		0.014	0.21	2.27	41	0.11	11.35	202	3.0
ZZ03754		0.006	0.22	3.84	30	0.08	12.30	278	3.4
ZZ03755		0.023	0.12	3.46	32	0.20	5.78	77	0.9
ZZ03756		0.009	3.15	1.57	26	0.15	11.75	238	1.0
ZZ03757		0.005	0.98	1.42	15	0.06	9.53	127	1.2
ZZ03758		0.020	0.38	1.27	48	0.14	13.90	135	1.2
ZZ03759		0.021	0.19	1.23	56	0.26	8.59	112	0.8
ZZ03760		0.013	0.20	0.67	52	0.13	4.03	116	1.3
ZZ03761		0.016	0.13	3.13	48	0.20	8.89	94	1.1
ZZ03762		0.015	0.20	1.09	46	0.15	12.95	111	1.3
ZZ03763		0.012	0.19	1.65	48	0.12	11.25	122	1.4
ZZ03764		<0.005	0.20	0.87	50	0.05	9.39	150	2.2
ZZ03765		0.011	0.25	1.33	22	0.13	6.85	121	0.9
CC160226		0.006	0.14	0.96	36	0.07	5.02	114	1.6
CC160227		0.018	0.14	0.63	42	0.14	3.61	81	0.9
CC160228		0.006	0.16	0.67	38	0.10	4.10	107	1.0
CC160229		0.011	0.14	0.67	42	0.17	5.08	68	<0.5
CC160230		<0.005	0.17	0.78	32	0.07	5.24	92	0.9
CC160231		0.006	0.17	0.85	28	0.07	11.70	118	1.7
CC160232		<0.005	0.08	1.09	19	0.06	14.45	73	0.8
CC160233		0.005	0.15	0.92	27	0.07	13.45	103	2.1
CC160234		0.005	0.14	1.09	19	0.05	7.10	97	1.7
CC160235		0.015	0.24	1.22	28	0.15	11.10	241	1.6
CC160236		0.025	0.41	1.03	35	0.19	12.30	3450	1.7
CC160237		0.011	0.45	0.99	25	0.18	10.80	2800	1.3
CC160238		0.005	0.56	2.15	14	0.09	15.40	519	1.0
CC160239		0.005	0.28	2.20	31	0.09	11.10	332	1.5
CC160240		<0.005	0.22	0.89	31	0.07	5.90	325	1.7





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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160241		0.20	0.002	0.14	1.14	16.2	<0.2	<10	280	0.89	0.31	0.90	0.40	17.55	11.7	20
CC160242		0.18	0.004	0.15	1.13	28.3	<0.2	<10	220	0.91	0.31	1.17	0.56	17.30	13.6	19
CC160243		0.26	0.003	0.23	1.32	37.6	<0.2	<10	530	1.06	0.30	0.54	0.49	18.70	14.4	22
CC160244		0.26	0.003	0.20	1.43	26.5	<0.2	<10	480	0.96	0.30	0.50	0.42	20.1	11.4	26
CC160245		0.31	0.002	0.21	1.28	52.4	<0.2	<10	460	0.96	0.33	0.44	0.48	20.7	14.7	23
CC160246		0.18	0.002	0.25	1.44	38.9	<0.2	<10	570	1.00	0.29	1.17	0.59	15.45	11.5	23
CC160247		0.19	0.002	0.16	1.50	39.4	<0.2	<10	430	1.18	0.35	0.48	0.46	18.85	16.2	24
CC160248		0.28	0.003	0.22	1.41	37.1	<0.2	<10	460	0.99	0.35	0.55	0.48	18.55	12.4	25
CC160249		0.25	0.002	0.17	1.47	73.3	<0.2	<10	480	1.13	0.34	0.33	0.38	21.7	16.3	24
CC160250		0.26	0.002	0.15	1.71	34.7	<0.2	<10	350	1.26	0.35	0.54	0.23	30.0	15.1	26
CC160097		0.24	0.002	0.34	1.52	41.5	<0.2	<10	500	1.13	0.33	0.54	1.27	25.0	16.1	25
CC160098		0.13	0.003	0.23	1.37	29.9	<0.2	<10	470	0.91	0.27	1.19	0.52	18.30	10.5	22
CC160099		0.32	0.003	0.28	1.39	46.8	<0.2	<10	430	1.14	0.33	0.67	0.85	20.7	16.0	23
CC160100		0.28	0.002	0.08	1.46	53.8	<0.2	<10	250	1.23	0.33	0.29	0.40	17.80	10.9	23
CC160101		0.18	0.002	0.18	1.12	872	<0.2	<10	270	0.84	0.28	0.77	0.34	13.15	8.6	19
CC160102		0.21	0.002	0.20	1.14	1450	<0.2	<10	270	0.90	0.27	0.92	0.75	14.60	8.5	19
CC160103		0.21	0.002	0.20	0.87	80.8	<0.2	<10	170	0.91	0.29	0.32	0.69	19.50	13.5	17
CC160104		0.25	0.002	0.31	1.37	49.7	<0.2	<10	440	1.00	0.29	2.38	0.95	16.15	14.5	22
CC160105		0.23	0.011	0.21	1.23	496	<0.2	<10	230	1.04	0.33	0.91	0.50	18.80	13.6	22
CC160106		0.28	0.002	0.20	1.26	141.0	<0.2	<10	340	0.87	0.28	0.71	0.59	19.30	12.0	22
CC160107		0.22	0.003	0.28	1.13	36.3	<0.2	<10	250	0.87	0.26	0.52	0.46	23.0	12.1	21
CC160108		0.24	0.003	0.33	1.11	53.7	<0.2	<10	270	0.99	0.26	1.22	0.57	16.15	10.0	21
CC160109		0.23	0.004	0.31	1.47	76.2	<0.2	<10	380	1.50	0.38	0.37	0.92	27.4	18.8	25
CC160110		0.27	0.008	0.44	1.25	213	<0.2	<10	430	1.29	0.33	0.50	0.78	19.50	15.2	23
CC160111		0.22	0.003	0.25	1.08	532	<0.2	<10	270	1.29	0.33	0.78	0.49	14.80	11.5	21
CC160112		0.24	0.003	0.13	1.33	31.3	<0.2	<10	270	1.29	0.38	0.32	0.26	20.4	15.2	24
CC160113		0.17	0.003	0.22	1.24	349	<0.2	<10	260	0.97	0.34	0.77	0.46	15.20	11.7	22
CC160114		0.24	0.003	0.39	1.22	77.9	<0.2	<10	270	0.98	0.27	0.46	0.64	19.20	12.5	23
CC160115		0.15	0.004	0.33	1.22	999	<0.2	<10	330	0.79	0.26	1.01	0.66	19.85	10.1	23
CC160116		0.28	0.003	0.40	1.14	1280	<0.2	<10	290	1.20	0.31	1.98	1.49	19.10	15.0	20
CC160117		0.20	0.002	0.24	1.02	375	<0.2	<10	320	1.01	0.27	0.95	0.71	16.75	14.5	17
CC160118		0.26	0.003	0.34	1.43	54.8	<0.2	<10	460	1.16	0.32	0.80	0.73	22.2	16.3	24
CC160119		0.27	0.004	0.34	1.22	73.9	<0.2	<10	370	1.17	0.31	1.53	0.96	20.5	17.0	20
CC160120		0.22	0.004	0.25	1.03	171.0	<0.2	<10	400	0.96	0.33	2.08	0.57	18.90	11.8	19
CC160121		0.17	0.004	0.31	1.19	48.8	<0.2	<10	450	1.01	0.26	1.01	0.88	22.2	11.7	21
CC160122		0.29	0.002	0.35	1.42	36.2	<0.2	<10	300	1.21	0.29	1.72	0.91	20.3	17.8	23
CC160123		0.27	0.003	0.32	1.47	36.1	<0.2	<10	320	1.21	0.30	0.57	0.60	22.6	15.2	25
CC160124		0.17	0.002	0.26	1.15	131.5	<0.2	<10	320	0.98	0.26	0.85	0.68	19.50	11.6	23
CC160125		0.11	0.001	0.12	0.50	51.9	<0.2	<10	130	0.81	0.31	1.08	0.23	16.40	8.5	7
CC160126		0.16	0.002	0.26	0.48	38.6	<0.2	<10	130	0.86	0.30	1.33	0.31	13.85	8.3	8



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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160241		3.61	22.7	3.45	3.50	<0.05	0.05	0.45	0.038	0.10	7.4	17.1	0.33	532	0.95	0.01
CC160242		3.22	33.3	3.54	3.52	0.05	0.07	0.67	0.034	0.12	7.7	17.6	0.69	604	1.29	0.01
CC160243		1.34	35.7	3.85	3.95	0.05	0.07	0.66	0.036	0.10	8.3	19.1	0.41	792	1.87	0.01
CC160244		1.46	31.0	3.92	4.28	0.06	0.06	0.96	0.035	0.11	10.7	19.0	0.46	651	1.42	0.01
CC160245		1.28	37.1	3.95	3.98	0.05	0.06	0.96	0.033	0.09	8.8	19.2	0.37	786	2.31	0.01
CC160246		1.30	34.1	3.45	4.11	0.05	0.07	1.31	0.038	0.13	8.4	18.1	0.38	361	1.64	0.01
CC160247		1.44	38.8	4.23	4.49	0.06	0.07	1.40	0.040	0.12	8.4	18.8	0.42	830	1.60	0.01
CC160248		1.68	35.1	3.91	4.36	0.06	0.07	0.71	0.037	0.12	9.5	21.6	0.42	403	1.84	0.01
CC160249		1.44	42.3	4.28	4.46	0.07	0.03	2.37	0.041	0.13	10.2	19.1	0.36	798	1.51	0.01
CC160250		1.34	31.2	4.47	4.84	0.06	0.07	0.44	0.045	0.09	12.2	19.7	0.42	1160	1.27	0.01
CC160097		2.05	48.5	4.06	4.10	0.06	0.05	0.51	0.042	0.15	11.3	19.0	0.40	805	3.31	0.01
CC160098		1.42	34.6	3.13	4.05	0.05	0.06	0.38	0.034	0.10	9.3	22.6	0.48	486	1.78	0.01
CC160099		1.72	47.3	3.82	4.07	0.05	0.06	1.51	0.038	0.13	10.0	20.9	0.52	775	2.46	0.01
CC160100		2.54	27.2	4.11	3.73	0.05	0.06	0.50	0.047	0.09	7.2	28.0	0.28	534	1.14	0.01
CC160101		1.74	31.4	3.50	3.37	0.06	0.08	0.59	0.035	0.10	6.9	16.4	0.33	271	0.91	0.01
CC160102		8.48	27.7	3.24	3.37	<0.05	0.07	0.99	0.033	0.10	7.7	18.0	0.37	363	0.98	0.01
CC160103		1.75	45.1	3.86	2.80	0.06	0.07	1.29	0.035	0.09	9.9	15.1	0.28	881	1.34	<0.01
CC160104		1.91	48.4	3.52	4.05	0.05	0.08	0.54	0.036	0.15	7.3	20.3	1.05	507	2.67	0.01
CC160105		10.55	38.4	3.78	3.81	0.05	0.07	0.71	0.036	0.12	9.3	21.5	0.63	561	1.53	0.01
CC160106		3.87	27.6	3.80	3.92	0.05	0.07	1.05	0.035	0.12	9.4	25.5	0.47	939	1.21	0.01
CC160107		2.23	24.4	3.18	3.90	0.06	0.06	0.41	0.034	0.09	11.7	29.4	0.44	318	1.35	<0.01
CC160108		6.98	29.3	2.97	3.69	0.05	0.06	0.90	0.033	0.11	8.8	20.3	0.44	381	1.34	<0.01
CC160109		1.65	48.1	4.73	4.24	0.08	0.06	2.36	0.045	0.11	11.2	27.9	0.41	938	2.24	0.01
CC160110		2.03	45.3	3.80	4.20	0.06	0.07	1.21	0.031	0.12	9.9	22.0	0.45	677	2.99	<0.01
CC160111		5.01	35.5	3.33	3.87	0.06	0.07	5.80	0.036	0.12	7.2	20.1	0.47	408	1.10	<0.01
CC160112		4.28	29.6	3.31	5.41	<0.05	0.05	0.88	0.029	0.09	9.7	42.2	0.53	667	1.00	<0.01
CC160113		1.64	26.9	3.43	4.66	<0.05	0.05	3.38	0.030	0.08	6.7	29.2	0.46	560	1.28	<0.01
CC160114		0.98	35.0	3.44	4.14	0.05	0.07	0.37	0.031	0.09	8.9	22.3	0.48	411	2.78	<0.01
CC160115		1.90	26.9	2.99	4.04	0.05	0.05	0.55	0.028	0.08	10.5	19.8	0.50	467	1.52	<0.01
CC160116		2.06	53.5	3.48	3.96	0.06	0.07	0.77	0.038	0.11	9.0	19.4	1.14	808	2.28	<0.01
CC160117		3.39	27.9	4.11	3.22	0.05	0.06	1.83	0.027	0.07	7.8	15.9	0.33	382	1.34	<0.01
CC160118		1.38	46.4	4.02	4.47	0.05	0.08	0.42	0.033	0.13	10.2	24.3	0.53	806	2.21	<0.01
CC160119		1.66	47.2	3.80	3.87	0.08	0.08	1.18	0.037	0.13	10.3	21.1	0.94	907	2.18	<0.01
CC160120		0.94	29.1	3.40	3.46	0.07	0.05	1.57	0.033	0.09	9.4	14.4	1.14	721	1.94	<0.01
CC160121		0.91	29.9	3.53	3.87	0.05	0.05	0.99	0.038	0.09	11.1	18.4	0.42	759	1.63	<0.01
CC160122		1.62	54.6	3.95	4.54	0.06	0.11	0.40	0.035	0.15	9.6	26.1	1.07	642	2.42	0.01
CC160123		1.52	55.9	4.04	4.74	0.07	0.14	0.35	0.042	0.14	11.0	27.5	0.62	354	2.38	<0.01
CC160124		0.91	26.4	3.98	3.57	0.05	0.08	0.63	0.034	0.09	10.8	17.1	0.39	700	1.55	<0.01
CC160125		5.00	15.8	2.67	1.46	<0.05	0.04	0.31	0.029	0.06	6.2	5.1	0.10	324	0.49	<0.01
CC160126		4.51	22.7	2.59	1.58	<0.05	0.04	0.49	0.031	0.06	6.4	6.7	0.13	219	0.77	<0.01

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



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**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160241		0.44	23.7	530	27.4	12.6	<0.001	0.03	0.70	4.6	0.7	0.5	26.5	<0.01	0.04	2.2
CC160242		0.38	29.7	450	28.9	13.7	<0.001	0.01	0.99	4.8	0.8	0.5	25.7	<0.01	0.05	3.7
CC160243		0.38	36.2	370	31.3	8.4	<0.001	0.01	1.34	5.5	0.9	0.5	16.6	<0.01	0.06	3.8
CC160244		0.56	32.1	440	31.2	9.8	<0.001	0.01	1.33	5.5	0.9	0.5	20.5	<0.01	0.05	4.0
CC160245		0.36	35.6	560	30.1	8.7	0.001	<0.01	1.36	5.0	1.1	0.5	22.1	<0.01	0.05	4.5
CC160246		0.37	29.0	690	25.7	11.0	0.001	0.04	1.15	5.0	1.4	0.5	30.6	<0.01	0.06	2.0
CC160247		0.36	38.0	400	31.5	10.2	<0.001	0.01	1.59	6.3	1.1	0.6	20.3	<0.01	0.05	4.1
CC160248		0.45	34.0	590	29.5	10.7	<0.001	0.01	1.14	6.1	1.1	0.6	24.6	<0.01	0.06	4.2
CC160249		0.30	38.3	690	25.0	10.7	<0.001	<0.01	0.85	6.8	0.7	0.6	20.6	<0.01	0.05	5.2
CC160250		0.39	33.9	1310	31.6	11.1	<0.001	0.01	0.69	5.5	0.7	0.6	23.3	<0.01	0.05	5.5
CC160097		0.25	48.0	780	30.7	10.9	0.001	<0.01	1.41	7.0	1.2	0.5	27.3	<0.01	0.06	5.6
CC160098		0.47	29.9	630	24.1	10.2	<0.001	0.03	0.86	4.5	1.1	0.5	29.0	<0.01	0.05	2.3
CC160099		0.31	43.1	680	27.0	10.2	0.001	0.01	1.26	6.3	1.2	0.5	25.8	<0.01	0.05	4.6
CC160100		0.37	28.2	400	31.5	12.3	<0.001	<0.01	1.08	4.9	0.7	0.5	15.8	<0.01	0.05	4.2
CC160101		0.29	22.7	760	22.1	10.2	0.001	0.05	1.67	4.1	1.1	0.4	25.8	<0.01	0.04	1.9
CC160102		0.34	23.7	730	23.7	14.2	0.001	0.06	3.20	4.3	1.6	0.4	29.2	<0.01	0.05	2.1
CC160103		0.33	32.7	700	38.4	7.8	0.001	<0.01	1.56	7.8	0.8	0.4	21.8	<0.01	0.04	5.1
CC160104		0.26	41.5	680	26.3	10.0	<0.001	0.02	1.17	6.2	1.1	0.5	47.1	<0.01	0.06	4.5
CC160105		0.39	32.4	410	27.1	19.5	<0.001	0.01	1.63	5.9	0.9	0.5	26.2	<0.01	0.05	3.9
CC160106		0.40	28.7	720	21.6	13.8	0.001	0.02	1.08	5.9	1.1	0.5	30.4	<0.01	0.04	3.9
CC160107		0.77	27.8	620	17.2	15.5	<0.001	0.02	0.77	4.6	1.3	0.5	25.9	<0.01	0.04	2.9
CC160108		0.62	29.3	640	16.6	18.6	<0.001	0.06	1.14	4.0	0.9	0.5	45.0	<0.01	0.06	1.6
CC160109		0.54	52.0	890	33.5	10.0	0.002	0.02	1.23	6.1	1.2	0.5	25.7	<0.01	0.08	5.4
CC160110		0.49	44.2	510	28.9	14.2	<0.001	0.02	2.02	6.2	1.6	0.5	24.0	<0.01	0.08	4.1
CC160111		0.54	30.7	600	20.3	15.0	0.001	0.04	5.36	5.1	0.9	0.5	29.3	<0.01	0.04	3.3
CC160112		0.69	30.1	340	33.5	13.0	<0.001	0.01	0.78	4.0	0.8	0.6	23.3	<0.01	0.03	4.7
CC160113		0.58	30.1	470	24.6	9.9	0.001	0.03	2.18	3.9	0.8	0.6	34.4	<0.01	0.06	2.2
CC160114		0.51	41.1	580	23.1	8.9	<0.001	0.01	2.29	5.1	1.3	0.4	26.0	<0.01	0.06	4.0
CC160115		0.68	29.1	800	21.0	10.2	<0.001	0.05	17.55	3.6	1.5	0.4	37.9	<0.01	0.08	1.7
CC160116		0.44	47.0	700	28.8	10.1	<0.001	0.02	56.0	6.4	1.1	0.5	47.1	<0.01	0.13	3.6
CC160117		0.45	31.9	560	27.1	10.2	0.003	0.08	5.32	4.7	1.8	0.4	53.0	<0.01	0.06	2.8
CC160118		0.45	40.9	780	29.1	9.9	0.001	0.04	1.12	5.6	1.8	0.5	43.5	<0.01	0.08	3.1
CC160119		0.40	44.3	800	41.5	9.6	0.002	0.03	1.90	6.3	1.5	0.4	37.9	<0.01	0.05	3.8
CC160120		0.51	29.6	580	29.0	7.8	0.001	0.03	2.56	5.6	1.5	0.5	25.5	<0.01	0.06	2.6
CC160121		0.58	30.1	700	33.1	9.1	0.001	0.05	1.27	4.6	1.3	0.4	34.0	<0.01	0.09	1.6
CC160122		0.30	48.5	730	25.6	10.4	<0.001	0.02	0.90	6.6	1.2	0.4	45.6	<0.01	0.08	4.4
CC160123		0.38	43.3	690	20.7	10.1	<0.001	0.02	1.10	7.3	1.3	0.4	37.0	<0.01	0.08	4.8
CC160124		0.55	27.0	850	29.2	10.6	0.001	0.05	1.61	5.0	1.2	0.5	36.2	<0.01	0.05	2.5
CC160125		0.30	20.9	360	21.2	9.8	<0.001	0.05	1.73	3.0	0.9	0.3	70.2	<0.01	0.03	1.7
CC160126		0.32	25.0	490	21.7	9.7	0.001	0.06	1.25	3.7	1.2	0.3	80.7	<0.01	0.04	1.7

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160241		0.007	0.14	1.30	26	0.10	8.61	142	1.2
CC160242		0.006	0.20	0.92	31	0.08	10.10	179	1.9
CC160243		0.006	0.22	0.79	42	0.10	10.85	167	1.9
CC160244		0.013	0.21	1.13	39	0.15	10.90	216	1.7
CC160245		0.006	0.23	1.14	47	0.08	10.20	172	1.8
CC160246		<0.005	0.23	1.88	43	0.09	13.35	219	1.7
CC160247		0.005	0.21	1.10	38	0.09	12.10	197	1.7
CC160248		0.008	0.21	1.21	42	0.09	11.25	214	1.8
CC160249		0.006	0.29	1.06	36	0.08	13.45	140	0.7
CC160250		0.006	0.18	1.33	35	0.10	12.00	135	1.9
CC160097		0.005	0.34	1.33	63	0.09	16.40	213	1.8
CC160098		0.006	0.21	1.44	42	0.17	11.20	131	1.6
CC160099		0.005	0.29	1.30	50	0.09	13.80	165	1.8
CC160100		<0.005	0.25	1.16	31	0.08	8.42	157	1.7
CC160101		0.005	0.15	1.48	30	0.08	9.94	145	1.9
CC160102		0.006	0.75	2.06	33	0.10	10.45	337	1.9
CC160103		0.007	0.28	1.18	30	0.08	17.30	155	2.0
CC160104		<0.005	0.33	0.95	51	0.07	11.40	175	3.1
CC160105		0.007	0.28	0.68	35	0.10	11.75	165	1.9
CC160106		0.007	0.18	0.93	36	0.08	11.35	159	2.0
CC160107		0.020	0.16	1.07	35	0.18	9.70	131	1.5
CC160108		0.008	0.23	1.22	31	0.08	10.15	158	1.6
CC160109		0.008	0.30	1.18	45	0.06	14.65	169	2.3
CC160110		0.007	0.41	1.01	59	0.08	14.50	171	2.6
CC160111		0.007	0.20	1.32	34	0.08	10.30	128	2.3
CC160112		0.016	0.15	0.95	34	0.13	7.51	111	1.4
CC160113		0.009	0.30	1.09	35	0.08	6.83	157	1.4
CC160114		0.008	0.25	1.18	56	0.11	10.75	162	2.3
CC160115		0.014	0.28	2.61	42	0.21	9.93	148	1.4
CC160116		0.006	1.06	1.09	44	0.07	13.75	195	2.5
CC160117		0.005	0.36	1.16	34	0.15	10.25	158	1.8
CC160118		0.007	0.32	1.46	48	0.08	11.40	179	2.3
CC160119		0.005	0.45	1.19	43	0.06	14.05	180	2.5
CC160120		0.007	0.37	1.22	43	0.10	10.90	166	1.5
CC160121		0.010	0.24	1.40	42	0.16	13.35	171	1.4
CC160122		<0.005	0.34	1.15	47	0.05	11.65	164	3.9
CC160123		0.005	0.24	1.16	48	0.05	12.40	154	5.2
CC160124		0.008	0.24	2.68	44	0.10	12.35	205	1.9
CC160125		<0.005	0.14	1.31	12	0.05	8.16	94	1.1
CC160126		0.005	0.18	1.26	14	0.05	11.05	104	1.5



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**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160127		0.17	0.002	0.13	1.15	28.5	<0.2	<10	310	0.67	0.34	0.73	0.35	20.4	10.8	20
CC160128		0.23	0.002	0.07	0.97	32.1	<0.2	<10	150	0.76	0.29	4.49	0.26	14.45	11.0	15
CC160129		0.13	0.001	0.05	0.12	21	<0.2	<10	50	0.16	0.04	18.55	0.18	10.15	2.3	3
CC160130		0.20	0.002	0.27	0.98	115.5	<0.2	<10	360	0.88	0.28	1.93	0.75	20.6	9.3	18
CC160131		0.22	0.005	0.38	1.29	48.9	<0.2	<10	420	1.28	0.32	0.38	0.62	22.2	17.4	24
CC160132		0.18	0.001	0.20	0.48	122.5	<0.2	<10	150	0.79	0.19	4.00	0.39	18.75	8.1	12
CC160133		0.14	0.001	0.12	0.73	26.7	<0.2	<10	150	0.40	0.28	0.11	0.36	24.1	6.0	13
CC160134		0.18	0.001	0.03	0.57	8.6	<0.2	<10	90	0.21	0.16	0.46	0.11	22.1	1.8	7
CC160452		0.28	0.004	0.34	1.64	26.9	<0.2	<10	520	1.23	0.34	0.60	0.44	23.3	10.9	26
CC160453		0.27	0.002	0.34	1.27	31.8	<0.2	<10	710	1.50	0.37	0.82	0.51	19.25	15.3	22
CC160454		0.29	0.002	0.20	1.29	21.5	<0.2	<10	260	1.59	0.39	0.30	0.24	18.25	12.7	22
CC160455		0.28	0.002	0.53	1.42	35.6	<0.2	<10	600	1.66	0.35	0.80	0.26	29.5	14.9	25
CC160456		0.18	0.004	0.05	1.92	4.8	<0.2	<10	260	1.69	0.49	0.07	0.24	12.10	40.9	30
CC160457		0.20	0.001	0.03	1.31	9.1	<0.2	<10	100	0.59	0.42	0.07	0.11	14.70	9.2	20
CC160458		0.20	0.001	0.06	1.42	10.6	<0.2	<10	110	0.53	0.37	0.07	0.09	23.6	6.0	22
CC160459		0.21	0.001	0.06	1.87	7.8	<0.2	<10	140	1.49	0.45	0.13	0.21	18.80	17.2	28
CC160460		0.31	0.003	0.22	1.73	46.6	<0.2	<10	460	1.48	0.33	0.27	0.92	23.7	16.5	29
CC160461		0.20	0.002	0.21	1.13	18.7	<0.2	10	330	1.00	0.25	0.88	0.31	14.35	8.8	17
CC160462		0.13	0.006	0.21	1.07	26.5	<0.2	10	380	0.88	0.23	1.70	0.75	12.05	8.5	17
CC160463		0.20	0.002	0.17	1.03	26.9	<0.2	<10	370	0.83	0.24	1.45	0.72	12.05	10.0	17
CC160464		0.14	0.002	0.17	1.12	24.5	<0.2	<10	350	0.86	0.26	1.50	0.58	14.10	11.7	18
CC160465		0.25	0.002	0.26	1.23	29.7	<0.2	<10	300	0.84	0.24	0.68	0.71	17.45	11.9	22
CC160466		0.15	0.002	0.27	1.09	30.7	<0.2	<10	450	0.82	0.23	1.89	1.06	14.20	12.0	19
CC160467		0.39	0.003	0.30	1.32	36.2	<0.2	<10	440	0.93	0.27	0.82	0.77	18.00	13.2	23
CC160468		0.24	0.001	0.24	1.23	32.5	<0.2	<10	570	0.95	0.24	1.82	0.69	13.05	9.4	19
CC160469		0.24	0.002	0.19	1.29	29.4	<0.2	<10	580	0.88	0.24	1.63	0.47	11.85	8.9	19
CC160470		0.25	0.002	0.16	1.30	32.9	<0.2	<10	410	0.99	0.29	1.01	0.61	16.45	11.8	20
CC160471		0.36	0.003	0.26	1.42	38.2	<0.2	<10	340	0.92	0.30	0.75	0.53	22.0	10.8	27
CC160472		0.26	0.002	0.23	1.56	46.5	<0.2	<10	340	1.00	0.30	0.58	0.83	28.2	16.2	26
CC160473		0.23	0.002	0.10	1.22	46.5	<0.2	<10	280	0.78	0.27	0.77	0.93	23.0	10.9	20
CC160474		0.28	0.003	0.26	1.19	52.8	<0.2	<10	420	0.98	0.30	1.36	0.61	17.80	12.0	21
CC160475		0.20	0.001	0.03	1.51	42.1	<0.2	<10	220	0.85	0.31	0.09	0.35	18.05	11.3	21
CC160477		0.43	0.004	0.37	1.35	186.5	<0.2	<10	540	0.90	0.27	0.58	0.52	23.1	10.7	25
CC160478		0.18	0.004	0.24	1.39	413	<0.2	<10	430	0.79	0.25	1.06	0.64	20.3	10.7	24
CC160479		0.22	0.004	0.06	1.15	142.5	<0.2	<10	450	0.79	0.38	0.23	0.75	16.15	18.4	22
CC160480		0.34	0.004	0.29	1.54	56.7	<0.2	<10	500	0.97	0.28	0.71	0.42	28.9	10.4	27



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**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160127		2.89	19.1	2.91	4.65	<0.05	0.03	0.27	0.030	0.07	9.8	15.5	0.35	477	0.98	<0.01
CC160128		1.64	15.3	3.23	3.44	0.05	0.04	0.98	0.031	0.07	7.0	15.4	2.74	746	0.75	0.01
CC160129		0.26	4.7	2.30	0.33	<0.05	0.04	0.55	0.006	0.01	5.8	0.8	10.40	1780	0.18	0.02
CC160130		3.54	27.5	3.14	3.05	0.06	0.05	3.36	0.027	0.06	10.3	12.9	0.64	1310	1.12	<0.01
CC160131		0.87	45.3	3.79	4.34	0.05	0.05	0.67	0.034	0.09	11.0	20.3	0.42	819	2.49	<0.01
CC160132		2.18	18.1	2.49	1.41	0.05	0.04	1.22	0.026	0.06	8.9	5.8	2.26	466	1.11	0.01
CC160133		0.90	14.7	2.15	4.77	<0.05	0.02	0.25	0.014	0.05	12.6	8.3	0.16	341	1.86	<0.01
CC160134		1.33	6.3	1.00	4.25	<0.05	<0.02	0.94	0.007	0.03	10.1	2.3	0.04	60	0.82	<0.01
CC160452		1.15	23.4	3.70	4.95	0.05	0.06	1.13	0.038	0.08	13.7	33.4	0.44	261	1.24	<0.01
CC160453		1.65	42.0	3.90	4.26	0.06	0.06	0.74	0.040	0.11	11.3	21.6	0.36	749	1.32	<0.01
CC160454		2.59	46.8	3.88	4.55	0.05	0.05	0.45	0.031	0.09	8.1	26.0	0.41	415	1.10	0.01
CC160455		1.10	42.8	4.47	4.17	0.06	0.11	0.83	0.039	0.09	15.6	17.5	0.47	1480	1.37	<0.01
CC160456		4.98	21.7	5.16	7.22	<0.05	0.03	0.05	0.048	0.12	4.5	43.0	0.49	2120	0.83	<0.01
CC160457		1.55	14.6	3.44	5.78	<0.05	0.02	0.07	0.024	0.09	7.2	23.7	0.33	291	0.70	<0.01
CC160458		1.63	10.5	3.04	6.70	<0.05	0.02	0.03	0.021	0.07	12.6	22.0	0.32	237	1.32	0.01
CC160459		3.86	26.8	4.25	5.89	<0.05	0.03	0.06	0.035	0.08	7.9	53.9	0.60	498	0.95	0.01
CC160460		1.24	46.8	4.09	5.03	0.06	0.07	0.65	0.046	0.13	11.1	22.1	0.38	642	3.67	<0.01
CC160461		1.68	30.5	3.10	3.36	<0.05	0.07	0.41	0.031	0.12	7.4	19.9	0.41	390	0.87	<0.01
CC160462		1.84	32.1	2.64	2.97	<0.05	0.06	0.77	0.031	0.11	6.0	12.8	0.35	276	1.22	0.01
CC160463		3.76	26.6	2.64	3.19	<0.05	0.05	0.77	0.030	0.09	5.8	12.3	0.34	413	1.18	<0.01
CC160464		3.85	28.1	2.79	3.26	<0.05	0.05	0.78	0.029	0.10	6.3	12.6	0.41	653	1.11	<0.01
CC160465		7.09	24.2	3.22	3.75	<0.05	0.06	1.06	0.035	0.11	8.0	16.0	0.37	561	1.55	<0.01
CC160466		1.80	31.4	2.75	3.19	0.05	0.05	0.57	0.028	0.12	6.6	13.3	0.40	617	1.49	0.01
CC160467		1.02	34.2	3.44	4.08	<0.05	0.05	0.47	0.036	0.11	8.1	21.2	0.39	493	1.94	<0.01
CC160468		0.93	26.7	2.77	3.64	<0.05	0.06	4.76	0.033	0.10	6.6	14.6	0.35	402	1.45	<0.01
CC160469		0.94	26.1	2.74	3.74	<0.05	0.06	0.79	0.032	0.10	5.8	14.3	0.33	344	1.25	<0.01
CC160470		0.86	25.7	3.23	4.04	<0.05	0.05	0.54	0.035	0.11	7.3	16.9	0.33	525	1.45	<0.01
CC160471		3.81	24.0	3.45	4.45	0.05	0.08	0.55	0.039	0.11	9.2	24.3	0.55	679	1.27	<0.01
CC160472		1.89	26.9	4.38	4.44	0.05	0.05	2.39	0.047	0.10	11.0	22.6	0.37	1260	1.75	<0.01
CC160473		0.92	21.2	3.71	4.10	0.05	0.04	0.98	0.032	0.08	10.3	13.7	0.29	719	1.64	<0.01
CC160474		1.40	46.7	3.77	3.58	0.06	0.05	1.12	0.033	0.12	8.7	16.2	0.65	560	1.70	0.01
CC160475		1.79	22.7	4.08	4.73	<0.05	0.03	0.25	0.044	0.09	7.3	26.1	0.30	487	1.65	<0.01
CC160477		1.33	35.7	3.56	4.00	0.07	0.05	0.72	0.032	0.11	10.9	20.2	0.48	403	2.22	<0.01
CC160478		1.67	25.4	2.95	4.09	0.05	0.05	0.38	0.029	0.08	9.7	17.2	0.43	570	1.28	<0.01
CC160479		3.52	31.4	4.65	4.04	<0.05	0.03	1.03	0.050	0.12	5.6	19.2	0.24	1210	2.61	<0.01
CC160480		1.27	30.9	3.40	4.64	0.05	0.04	1.00	0.039	0.09	14.4	21.5	0.48	383	1.36	0.01

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**CERTIFICATE OF ANALYSIS WH12158548**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160127	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	
CC160128	0.92	18.8	420	22.4	13.0	<0.001	0.02	0.79	3.7	0.4	0.6	24.4	<0.01	0.05	2.3	
CC160129	0.53	20.3	320	23.5	8.7	<0.001	0.02	0.75	4.1	0.4	0.5	19.3	<0.01	0.06	2.5	
CC160130	0.08	5.0	320	12.7	2.0	<0.001	0.03	1.23	0.9	0.3	<0.2	46.3	<0.01	0.05	0.4	
CC160131	0.49	25.4	810	35.8	9.3	<0.001	0.07	8.11	2.9	1.4	0.4	48.1	<0.01	0.05	0.9	
CC160132	0.46	44.5	700	34.1	7.9	<0.001	0.01	1.02	6.5	1.6	0.5	24.1	<0.01	0.09	4.5	
CC160133	0.20	19.5	530	62.4	4.0	<0.001	0.03	1.60	4.4	0.9	0.3	29.1	<0.01	0.03	3.7	
CC160134	0.89	14.2	210	15.5	9.9	<0.001	<0.01	0.68	2.6	0.5	0.6	10.2	<0.01	0.06	3.7	
CC160452	0.39	4.5	100	7.7	5.7	0.001	<0.01	0.29	0.9	0.2	0.6	36.4	<0.01	0.07	2.0	
CC160453	0.81	29.0	470	22.6	10.3	<0.001	0.03	0.57	5.8	1.2	0.5	20.9	<0.01	0.07	3.1	
CC160454	0.55	32.4	650	31.4	11.4	<0.001	0.04	0.72	6.3	1.3	0.6	46.2	<0.01	0.06	3.4	
CC160455	0.60	27.9	310	27.3	13.0	0.001	0.02	0.48	5.2	0.6	0.6	29.2	<0.01	0.04	3.8	
CC160456	0.32	35.9	620	39.3	10.0	0.001	0.03	0.60	9.2	1.2	0.6	25.8	<0.01	0.05	6.0	
CC160457	0.68	28.0	290	23.8	21.6	0.001	0.01	0.27	4.3	0.2	0.7	14.6	<0.01	0.06	4.1	
CC160458	0.74	18.8	140	16.4	12.8	<0.001	0.01	0.29	2.6	0.3	0.7	13.3	<0.01	0.07	3.3	
CC160459	1.31	14.3	160	17.2	19.9	<0.001	0.01	0.39	2.5	<0.2	0.7	10.3	<0.01	0.04	3.8	
CC160460	0.46	32.2	350	17.9	13.4	<0.001	0.02	0.26	3.7	0.4	0.4	21.9	<0.01	0.04	3.9	
CC160461	0.39	53.7	270	27.1	11.5	0.001	0.01	1.36	7.4	1.4	0.7	17.1	<0.01	0.06	4.5	
CC160462	0.39	21.4	650	21.1	16.4	0.003	0.08	0.54	3.9	1.4	0.5	40.2	<0.01	0.03	1.8	
CC160463	0.35	26.2	660	21.8	11.8	0.002	0.10	1.34	2.8	1.5	0.4	44.7	<0.01	0.04	1.0	
CC160464	0.41	22.0	590	30.3	12.9	0.001	0.06	1.23	3.2	0.8	0.5	42.6	<0.01	0.06	1.1	
CC160465	0.46	22.6	640	32.1	14.0	<0.001	0.06	1.20	3.4	0.8	0.5	43.4	<0.01	0.04	1.1	
CC160466	0.41	27.7	630	23.9	17.9	0.001	0.03	0.81	4.4	0.9	0.5	25.7	<0.01	0.05	2.3	
CC160467	0.39	29.3	750	27.8	9.9	0.001	0.07	1.19	3.5	1.2	0.5	43.9	<0.01	0.07	1.2	
CC160468	0.45	34.6	590	25.8	9.0	0.001	0.02	1.06	5.0	1.1	0.6	27.7	<0.01	0.05	2.6	
CC160469	0.44	24.6	680	20.0	9.3	0.002	0.06	0.94	3.3	2.0	0.5	47.6	<0.01	0.05	1.1	
CC160470	0.44	22.6	730	18.8	10.6	0.002	0.07	0.97	3.0	1.8	0.5	39.9	<0.01	0.04	1.0	
CC160471	0.46	24.6	590	24.3	9.4	0.001	0.04	0.82	3.9	1.3	0.6	29.0	<0.01	0.05	1.7	
CC160472	0.42	27.9	640	23.3	11.3	0.001	0.04	0.67	4.5	0.9	0.5	25.7	<0.01	0.04	2.5	
CC160473	0.62	31.3	940	44.3	12.7	0.001	0.02	1.28	4.4	1.0	0.6	26.2	<0.01	0.05	3.2	
CC160474	0.67	24.6	460	37.2	11.6	0.001	0.02	1.72	3.9	0.7	0.6	24.1	<0.01	0.05	3.0	
CC160475	0.41	35.4	830	30.1	9.1	0.001	0.03	1.21	5.1	1.0	0.5	30.7	<0.01	0.04	3.0	
CC160476	0.47	25.8	470	24.1	13.7	0.001	<0.01	0.73	3.2	0.7	0.7	12.8	<0.01	0.06	3.0	
CC160477	0.53	35.2	670	26.5	9.1	<0.001	0.02	1.34	4.8	1.2	0.6	24.3	<0.01	0.04	2.6	
CC160478	0.64	25.8	760	17.9	9.9	<0.001	0.04	1.07	3.7	1.0	0.5	30.5	<0.01	0.05	1.8	
CC160479	0.51	27.8	970	32.7	12.9	0.001	0.02	1.53	3.2	0.8	0.6	20.9	<0.01	0.09	2.4	
CC160480	0.82	30.3	880	28.3	10.9	<0.001	0.02	1.14	5.1	0.9	0.6	30.5	<0.01	0.04	2.8	

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160127		0.020	0.13	1.75	39	0.24	6.54	79	0.9
CC160128		0.008	0.17	0.72	28	0.08	7.98	67	1.3
CC160129		<0.005	0.16	0.55	4	<0.05	8.09	30	1.0
CC160130		0.010	0.47	2.09	29	0.11	12.15	215	1.1
CC160131		0.007	0.27	1.17	57	0.08	15.15	157	1.6
CC160132		<0.005	0.49	0.97	18	<0.05	10.40	111	1.5
CC160133		0.024	0.16	0.63	52	0.16	5.95	76	1.0
CC160134		0.016	0.14	0.35	32	0.09	1.55	21	<0.5
CC160452		0.013	0.16	1.13	43	0.12	13.65	96	1.4
CC160453		0.008	0.20	1.95	33	0.08	14.90	119	1.6
CC160454		0.009	0.13	1.39	31	0.08	10.45	108	1.5
CC160455		<0.005	0.27	1.61	34	0.05	25.4	112	3.1
CC160456		0.009	0.15	0.82	33	0.09	5.34	99	0.8
CC160457		0.010	0.10	0.40	31	0.07	3.47	64	0.9
CC160458		0.023	0.12	0.57	49	0.20	3.46	54	0.8
CC160459		0.008	0.07	0.70	27	0.06	5.92	104	0.9
CC160460		<0.005	0.35	1.43	74	0.09	18.90	188	2.4
CC160461		<0.005	0.14	2.24	29	0.07	10.20	147	2.0
CC160462		<0.005	0.20	2.27	34	0.05	10.10	289	1.7
CC160463		0.005	0.23	1.69	31	0.09	7.96	359	1.4
CC160464		0.006	0.21	1.56	31	0.11	8.84	310	1.3
CC160465		0.007	0.23	1.46	43	0.07	10.05	429	1.6
CC160466		0.005	0.19	1.63	41	0.06	10.55	223	1.6
CC160467		0.006	0.19	1.25	44	0.07	11.35	164	1.8
CC160468		<0.005	0.14	2.50	38	0.06	9.86	147	1.5
CC160469		<0.005	0.16	2.66	37	0.06	7.85	153	1.5
CC160470		0.005	0.15	1.82	38	0.08	9.34	144	1.6
CC160471		0.007	0.38	2.15	35	0.07	10.25	298	2.1
CC160472		0.009	0.25	1.59	46	0.14	10.95	205	1.3
CC160473		0.009	0.18	1.06	42	0.14	10.70	158	1.2
CC160474		0.007	0.24	1.32	38	0.06	12.35	155	1.5
CC160475		0.005	0.19	0.61	38	0.07	4.76	107	1.0
CC160477		0.012	0.25	1.43	47	0.16	12.95	146	1.3
CC160478		0.013	0.20	2.45	42	0.15	9.45	122	1.3
CC160479		0.007	0.32	0.79	41	0.07	5.48	182	0.8
CC160480		0.019	0.18	1.70	46	0.18	13.35	130	1.3





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Page: Appendix 1  
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Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12158548**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 3- AUG- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12159013**

Project: Crag East  
 P.O. No.: Batch 6  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12159013**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N833870		10.50	0.006	0.04	0.70	7.7	<0.2	30	100	0.74	0.32	1.65	0.01	12.70	14.3	10
N833871		10.11	0.003	0.05	0.68	5.9	<0.2	30	140	0.84	0.35	0.71	0.02	15.65	15.8	13
N833872		3.95	0.002	0.06	0.68	5.6	<0.2	30	150	0.78	0.32	0.92	0.04	15.70	14.8	13
N833873		10.30	0.003	0.04	0.62	5.9	<0.2	20	280	0.63	0.21	0.89	0.03	14.70	12.4	13
N833874		0.20	3.97	1.38	0.34	699	<0.2	<10	50	0.29	4.43	2.09	1.68	4.48	7.3	20
N833875		9.86	0.003	0.05	0.63	18.6	<0.2	20	90	0.97	0.39	0.68	0.02	14.40	17.2	12
N833876		9.94	0.001	0.03	0.47	10.6	<0.2	10	460	0.33	0.09	2.18	0.02	12.40	7.0	9
N833877		9.17	0.001	0.06	0.64	47.6	<0.2	20	170	0.84	0.28	0.90	0.01	11.60	15.5	11
N833878		9.84	0.001	0.06	0.79	34.1	<0.2	20	160	1.25	0.42	0.56	0.01	15.25	18.7	14
N833879		0.19	0.274	>100	1.35	261	<0.2	<10	90	0.14	5.83	0.64	24.1	9.16	9.3	33
N833880		9.63	0.002	0.07	0.71	25.8	<0.2	20	170	0.98	0.32	1.48	<0.01	14.65	18.7	14
N833881		9.37	0.002	0.05	0.51	18.2	<0.2	10	120	0.48	0.13	1.04	<0.01	12.80	9.1	9
N833882		9.59	<0.001	0.04	0.52	24.0	<0.2	10	90	0.56	0.16	1.28	0.01	10.55	9.2	7
N833883		9.38	0.001	0.08	0.50	25.3	<0.2	10	120	0.77	0.21	2.70	0.01	8.92	14.5	7
N833884		8.57	0.002	0.12	0.49	151.5	<0.2	10	70	0.96	0.29	5.44	0.09	11.25	16.7	5
N833885		3.27	0.001	0.03	0.31	112.0	<0.2	10	150	0.30	0.08	0.92	0.03	8.82	4.7	9
N833886		5.24	0.001	<0.01	0.04	3	<0.2	<10	10	<0.05	0.02	18.50	0.06	1.18	0.9	<1
N833887		6.30	0.002	0.04	0.78	72.8	<0.2	20	170	1.58	0.45	0.32	0.01	16.05	18.2	13
N833888		9.95	0.002	0.05	0.61	7.2	<0.2	20	70	1.49	0.46	0.26	0.01	15.20	17.3	13
N833889		10.46	0.001	0.04	0.72	5.8	<0.2	30	70	1.48	0.49	0.17	<0.01	19.35	18.3	15
N833890		10.37	0.002	0.04	0.68	5.3	<0.2	30	210	1.43	0.50	0.16	<0.01	17.15	17.5	15
N833891		8.39	0.001	0.04	0.72	5.8	<0.2	30	130	1.45	0.46	0.18	0.01	19.95	17.8	15
N833892		5.27	0.001	<0.01	0.06	<2	<0.2	<10	20	<0.05	0.03	18.40	0.05	1.24	0.9	<1
N833893		7.66	0.002	0.08	0.69	7.6	<0.2	20	100	0.85	0.27	1.72	0.01	17.15	13.5	11
N833894		4.66	0.002	0.05	0.66	5.3	<0.2	20	110	1.15	0.36	0.28	0.01	16.15	15.0	12
N833895		10.59	0.002	0.07	0.72	8.1	<0.2	30	110	1.40	0.42	0.43	0.01	12.70	17.6	11
N833896		10.58	0.001	0.05	0.53	6.5	<0.2	20	120	0.64	0.23	4.12	0.01	12.90	11.0	8
N833897		10.48	0.002	0.05	0.77	7.7	<0.2	30	170	1.48	0.47	0.60	0.01	15.75	16.0	13
N833898		10.39	0.002	0.05	0.66	6.6	<0.2	20	70	1.33	0.46	0.20	0.01	15.55	16.0	13
N833899		2.92	0.001	0.17	0.25	325	<0.2	10	60	0.12	0.03	14.75	0.17	8.84	1.7	6
N833900		<0.02	0.001	0.12	0.24	335	<0.2	<10	60	0.19	0.04	15.00	0.17	9.09	1.8	6
N833901		3.38	0.001	0.05	0.29	475	<0.2	10	80	0.18	0.04	14.10	0.09	8.92	2.2	6
N833902		5.20	0.001	0.02	0.11	326	<0.2	<10	50	0.09	0.03	18.75	0.07	3.49	0.9	3
N833903		4.20	0.002	0.01	0.08	556	<0.2	<10	40	0.13	0.02	17.80	0.05	1.82	0.6	2
N833904		9.81	0.002	0.01	0.05	99	<0.2	<10	20	0.10	0.01	20.2	0.02	1.69	0.7	1
N833905		10.29	0.001	<0.01	0.03	64	<0.2	<10	10	<0.05	0.01	19.75	<0.01	0.97	0.5	1



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12159013**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
N833870		32.5	35.0	3.89	2.28	0.07	0.10	0.02	0.036	0.48	5.3	8.6	0.89	1370	0.33	0.01
N833871		37.4	35.5	4.22	2.89	0.08	0.11	0.02	0.039	0.48	6.3	10.0	0.70	1170	0.32	0.01
N833872		35.7	36.6	4.35	2.65	0.08	0.11	0.02	0.039	0.47	6.3	9.9	0.76	1260	0.32	0.01
N833873		31.4	21.6	3.63	2.57	0.07	0.11	0.02	0.029	0.43	5.6	11.1	0.62	991	0.26	0.01
N833874		1.57	72.6	2.94	1.11	0.07	0.20	5.12	0.145	0.19	2.4	1.7	0.86	304	26.9	<0.01
N833875		32.0	40.0	3.95	2.29	0.07	0.11	0.03	0.037	0.46	5.7	9.2	0.67	1060	0.33	0.01
N833876		20.9	12.5	3.15	1.37	0.07	0.10	0.02	0.035	0.32	4.8	6.6	0.85	1370	0.19	0.02
N833877		30.6	31.8	3.43	2.30	0.06	0.11	0.05	0.028	0.45	5.0	10.4	0.69	869	0.25	0.01
N833878		38.5	29.5	4.49	2.84	0.08	0.12	0.15	0.044	0.53	6.5	14.1	0.76	821	0.27	0.01
N833879		0.34	6670	5.54	3.66	0.09	0.26	1.26	0.438	0.10	4.4	11.8	0.79	1640	22.2	0.06
N833880		35.2	24.6	4.65	2.55	0.07	0.11	0.15	0.044	0.48	5.8	14.0	1.03	1160	0.31	0.01
N833881		17.45	16.5	2.98	1.60	0.06	0.12	0.05	0.022	0.38	5.5	5.9	0.57	495	0.18	0.01
N833882		18.75	11.6	2.47	1.47	0.05	0.11	0.06	0.023	0.40	4.3	2.9	0.58	485	0.19	0.01
N833883		15.70	17.5	2.68	1.34	0.05	0.13	0.24	0.026	0.38	3.7	3.6	1.09	879	0.39	0.01
N833884		18.70	27.9	2.85	1.28	0.06	0.13	0.29	0.038	0.37	4.3	4.1	2.72	1560	0.91	0.02
N833885		6.30	16.8	0.92	0.80	<0.05	0.14	0.08	0.010	0.21	4.1	1.7	0.31	252	0.29	<0.01
N833886		0.37	1.6	0.45	0.11	<0.05	<0.02	0.01	0.005	0.03	0.6	1.0	11.90	213	0.15	0.01
N833887		27.3	47.2	4.00	2.73	0.06	0.11	0.14	0.043	0.48	7.1	15.6	0.61	577	0.34	0.02
N833888		25.3	48.0	4.76	2.13	0.08	0.09	0.10	0.047	0.35	7.0	18.9	0.75	701	0.33	0.03
N833889		28.6	45.4	4.96	2.68	0.08	0.07	0.08	0.050	0.37	8.6	25.4	0.75	647	0.31	0.04
N833890		29.4	43.9	4.95	2.69	0.08	0.07	0.07	0.048	0.35	7.9	24.1	0.78	659	0.30	0.05
N833891		31.8	39.7	4.59	2.95	0.09	0.08	0.06	0.042	0.39	8.6	18.9	0.70	601	0.34	0.05
N833892		0.46	2.4	0.44	0.15	<0.05	<0.02	<0.01	<0.005	0.03	0.6	1.6	11.75	201	0.09	0.01
N833893		23.3	24.8	3.95	2.33	0.08	0.09	0.07	0.045	0.34	6.8	15.7	0.95	914	0.71	0.04
N833894		27.8	44.1	3.95	2.61	0.07	0.11	0.03	0.035	0.37	7.3	15.3	0.71	356	0.25	0.04
N833895		32.8	34.1	4.23	2.72	0.07	0.11	0.06	0.038	0.44	5.2	13.7	0.69	419	0.32	0.04
N833896		24.4	16.4	4.05	1.71	0.06	0.08	0.07	0.039	0.33	5.1	10.2	1.71	1540	0.60	0.04
N833897		32.7	35.9	3.84	3.12	0.07	0.09	0.07	0.032	0.45	6.6	18.9	0.74	440	0.31	0.06
N833898		28.7	32.7	4.78	2.64	0.08	0.09	0.05	0.043	0.38	6.3	15.9	0.76	536	0.29	0.06
N833899		2.53	3.9	1.01	0.63	<0.05	0.11	3.29	0.007	0.09	3.9	2.4	8.41	1040	0.24	0.02
N833900		2.54	4.0	1.04	0.61	<0.05	0.11	3.37	0.009	0.09	4.1	2.2	8.55	1070	0.25	0.02
N833901		2.80	4.2	1.20	0.74	<0.05	0.12	7.83	0.007	0.12	4.0	1.8	8.45	1140	0.30	0.02
N833902		0.78	2.9	0.66	0.31	<0.05	0.05	20.7	<0.005	0.04	1.6	1.1	10.85	1010	0.18	0.02
N833903		0.35	2.3	0.44	0.24	0.06	0.03	8.82	<0.005	0.02	0.8	1.0	10.45	1260	0.18	0.02
N833904		0.19	1.9	0.35	0.18	0.10	0.02	1.66	<0.005	0.01	1.1	0.8	12.10	872	0.12	0.02
N833905		0.05	1.0	0.24	0.12	0.11	<0.02	0.32	<0.005	<0.01	0.6	0.5	12.05	499	0.06	0.02

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



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 Finalized Date: 3- AUG- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12159013**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833870		0.05	22.9	260	13.2	29.7	<0.001	0.31	0.07	5.2	0.4	0.5	35.9	<0.01	0.02	6.5
N833871		0.07	25.1	320	17.0	32.7	<0.001	0.25	0.08	5.7	0.3	0.6	24.1	<0.01	0.01	7.6
N833872		0.06	26.5	340	18.1	30.7	<0.001	0.22	0.07	5.6	0.4	0.6	30.5	<0.01	0.01	7.5
N833873		0.08	21.5	350	18.6	28.3	<0.001	0.17	0.07	4.7	0.3	0.4	28.0	<0.01	0.01	7.8
N833874		0.08	73.7	860	18.9	12.8	0.037	2.00	8.22	3.3	6.1	2.1	31.8	<0.01	0.70	2.1
N833875		0.06	27.9	390	19.8	29.1	<0.001	0.29	0.09	5.3	0.4	0.5	33.5	<0.01	0.02	7.2
N833876		0.06	11.3	340	13.3	17.6	<0.001	0.11	0.05	3.9	0.3	0.3	51.6	<0.01	0.01	6.9
N833877		0.06	25.5	220	14.4	27.8	<0.001	0.28	0.07	5.1	0.2	0.7	42.7	<0.01	0.01	6.8
N833878		0.06	34.0	300	22.7	34.7	<0.001	0.70	0.08	6.5	0.4	0.6	24.6	<0.01	0.02	7.7
N833879		0.26	23.2	440	>10000	3.2	0.011	2.40	414	3.4	1.9	1.6	25.7	<0.01	1.16	1.0
N833880		0.06	29.7	310	21.4	31.2	<0.001	0.50	0.09	6.3	0.5	0.6	37.0	<0.01	0.02	7.6
N833881		0.05	14.5	210	12.0	20.7	<0.001	0.12	<0.05	3.7	0.2	0.3	54.5	<0.01	0.01	7.0
N833882		<0.05	12.0	230	11.8	20.3	<0.001	0.17	<0.05	3.9	0.3	0.3	54.3	<0.01	0.01	6.1
N833883		0.05	20.9	140	18.7	19.4	<0.001	0.96	0.12	3.9	0.3	0.3	95.1	<0.01	0.02	4.5
N833884		0.07	26.5	160	27.1	20.1	0.001	1.16	0.21	3.8	0.5	0.3	132.0	<0.01	0.02	4.0
N833885		<0.05	6.2	90	9.8	9.6	<0.001	0.18	0.05	1.6	<0.2	0.3	41.0	<0.01	<0.01	4.1
N833886		0.12	2.8	190	1.4	1.4	<0.001	0.02	<0.05	0.4	0.2	<0.2	43.4	<0.01	0.01	<0.2
N833887		0.05	34.6	260	14.2	29.7	<0.001	0.27	0.07	6.8	0.4	0.6	32.3	<0.01	0.02	7.2
N833888		0.06	35.0	190	14.7	22.8	<0.001	0.23	0.06	7.1	0.3	0.5	28.0	<0.01	0.02	6.5
N833889		0.06	37.6	240	9.6	25.6	<0.001	0.19	0.05	7.9	0.4	0.5	29.4	<0.01	0.02	7.3
N833890		0.06	37.1	190	25.7	25.9	<0.001	0.19	0.05	7.8	0.4	0.5	30.1	<0.01	0.02	6.7
N833891		0.06	34.8	300	17.2	28.8	<0.001	0.28	0.06	7.1	0.4	0.5	25.0	<0.01	0.02	7.3
N833892		0.12	2.9	170	1.2	1.6	<0.001	0.02	<0.05	0.4	0.2	<0.2	43.1	<0.01	0.02	<0.2
N833893		0.06	29.7	590	21.4	22.1	<0.001	0.79	0.07	5.8	0.6	0.4	23.5	<0.01	0.01	6.2
N833894		0.05	32.5	190	16.7	26.0	<0.001	0.55	0.05	5.5	0.3	0.5	17.5	<0.01	0.02	7.7
N833895		0.06	35.8	220	38.0	31.6	<0.001	1.23	0.08	5.6	0.3	0.5	15.9	<0.01	0.02	6.2
N833896		0.07	21.9	170	24.7	21.5	<0.001	0.97	0.08	3.9	0.3	0.3	41.0	<0.01	0.01	4.9
N833897		0.05	32.7	230	21.8	31.5	<0.001	0.67	0.06	6.0	0.4	0.6	30.8	<0.01	0.02	6.6
N833898		0.06	34.6	330	20.9	26.9	<0.001	0.46	0.06	6.5	0.4	0.5	23.9	<0.01	0.02	7.1
N833899		0.11	6.3	170	19.8	3.8	<0.001	0.05	7.53	1.9	0.4	<0.2	95.9	<0.01	0.02	2.1
N833900		0.11	6.5	180	20.5	3.7	<0.001	0.05	7.71	2.1	0.4	<0.2	98.5	<0.01	0.02	2.2
N833901		0.11	6.7	170	23.6	4.4	<0.001	0.05	11.40	2.0	0.4	0.2	82.4	<0.01	0.02	2.2
N833902		0.08	3.2	210	20.2	1.7	<0.001	0.04	13.70	1.7	0.3	<0.2	114.0	<0.01	0.01	0.7
N833903		0.09	2.3	260	8.2	1.2	<0.001	0.03	5.21	0.7	0.3	0.3	137.0	<0.01	0.01	0.3
N833904		0.10	2.2	260	2.8	0.6	<0.001	0.02	3.60	0.5	0.3	<0.2	73.8	<0.01	0.01	0.2
N833905		0.10	1.5	190	1.1	0.2	<0.001	0.02	1.20	0.3	0.3	<0.2	49.2	<0.01	0.01	<0.2

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12159013**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001
N833870		<0.005	0.46	0.56	13	<0.05	6.85	37	2.7		
N833871		<0.005	0.56	0.64	16	<0.05	6.72	55	3.1		
N833872		<0.005	0.50	0.60	16	<0.05	7.00	58	3.0		
N833873		0.006	0.43	0.54	14	<0.05	6.09	90	3.3		
N833874		<0.005	2.00	1.82	61	2.48	7.05	146	8.0		
N833875		<0.005	0.56	0.62	13	<0.05	7.42	58	3.2		
N833876		<0.005	0.25	0.41	9	<0.05	6.19	45	3.0		
N833877		<0.005	0.41	0.52	12	<0.05	4.55	47	3.0		
N833878		<0.005	0.58	0.66	16	<0.05	7.82	60	3.1		
N833879		0.091	0.21	0.66	43	0.25	6.33	5080	6.8	100	0.999
N833880		0.005	0.57	0.60	16	<0.05	8.14	64	2.7		
N833881		<0.005	0.25	0.41	9	<0.05	4.05	30	3.1		
N833882		<0.005	0.19	0.43	8	<0.05	4.27	33	3.4		
N833883		<0.005	0.39	0.41	7	<0.05	4.52	20	4.0		
N833884		<0.005	0.50	0.55	7	<0.05	7.26	70	4.1		
N833885		<0.005	0.16	0.33	3	0.05	2.41	77	4.5		
N833886		<0.005	<0.02	0.51	1	0.05	0.81	13	<0.5		
N833887		<0.005	0.38	0.78	16	<0.05	8.40	71	3.0		
N833888		<0.005	0.25	0.70	17	<0.05	6.92	57	2.5		
N833889		<0.005	0.31	0.74	19	<0.05	8.28	61	1.9		
N833890		<0.005	0.33	0.67	19	<0.05	7.22	63	1.8		
N833891		<0.005	0.39	0.69	19	<0.05	8.68	78	1.9		
N833892		<0.005	<0.02	0.49	1	<0.05	0.81	13	<0.5		
N833893		<0.005	0.30	0.64	13	<0.05	10.85	38	2.9		
N833894		<0.005	0.31	0.64	14	<0.05	5.53	59	2.7		
N833895		<0.005	0.52	0.50	13	<0.05	5.97	97	3.0		
N833896		<0.005	0.33	0.37	9	<0.05	6.19	52	2.2		
N833897		<0.005	0.43	0.57	15	<0.05	6.51	58	2.3		
N833898		<0.005	0.42	0.60	16	<0.05	8.18	63	2.1		
N833899		<0.005	1.13	1.09	6	0.90	4.69	62	3.1		
N833900		<0.005	1.16	1.12	7	0.60	4.82	63	3.1		
N833901		<0.005	1.29	0.94	6	0.21	4.31	69	3.4		
N833902		<0.005	0.67	1.08	4	0.12	3.68	54	1.6		
N833903		<0.005	1.72	0.96	2	0.09	3.12	46	0.9		
N833904		<0.005	0.65	1.15	2	0.05	2.70	20	0.6		
N833905		<0.005	0.17	0.92	1	<0.05	1.69	4	<0.5		



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Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12159013**

**CERTIFICATE COMMENTS**

Applies to Method:



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**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12163461**

Project: Crag East  
 P.O. No.: Batch 7  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163461**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
N833906		10.10	0.004	0.01	0.05	130	<0.2	<10	10	0.07	0.01	19.10	0.01	3.37	1.8	1
N833907		10.53	0.002	0.01	0.06	127	<0.2	<10	10	0.08	0.01	19.10	0.01	3.99	1.1	1
N833908		4.86	0.002	0.01	0.05	136	<0.2	<10	10	0.08	0.01	19.10	0.01	3.39	1.0	1
N833909		0.21	0.279	>100	1.26	247	0.2	<10	90	0.22	5.14	0.65	24.8	7.93	12.0	30
N833910		5.81	0.002	0.03	0.04	75	<0.2	<10	10	0.07	0.01	19.00	0.01	2.39	0.8	<1
N833911		10.26	0.001	0.01	0.05	108	<0.2	<10	10	0.10	0.01	18.85	0.04	3.53	1.0	1
N833912		5.72	0.001	<0.01	0.04	82	<0.2	<10	10	0.06	0.01	19.25	0.01	2.53	1.0	<1
N833913		6.55	0.002	<0.01	0.05	130	<0.2	<10	10	0.06	0.01	18.75	0.02	3.74	1.0	<1
N833914		5.98	0.003	0.01	0.05	699	<0.2	<10	10	0.13	0.01	19.00	0.04	4.81	1.1	1
N833915		3.71	0.001	0.01	0.06	1200	<0.2	<10	10	0.12	0.01	19.25	0.01	4.62	1.2	<1
N833916		4.07	0.002	<0.01	0.03	4	<0.2	<10	10	0.05	0.02	19.80	0.05	1.12	1.5	<1
N833917		8.13	0.002	0.01	0.06	298	<0.2	<10	10	0.11	0.01	20.1	0.60	4.34	1.3	<1
N833918		4.53	0.002	0.01	0.06	367	<0.2	<10	10	0.18	0.01	19.05	0.07	4.21	1.3	1
N833919		7.56	0.002	0.01	0.06	138	<0.2	<10	10	0.12	0.01	19.40	0.02	2.86	1.2	1
N833920		5.64	0.002	<0.01	0.06	548	<0.2	<10	10	0.11	0.01	19.25	0.01	3.16	1.3	1
N833921		0.21	3.77	1.49	0.31	654	<0.2	10	40	0.33	4.24	2.13	1.91	4.57	7.7	19
N833922		9.18	0.004	<0.01	0.05	165	<0.2	<10	10	0.11	0.01	19.35	0.01	2.67	1.2	1
N833923		8.84	0.002	0.02	0.04	211	<0.2	<10	10	0.12	0.01	18.60	0.02	2.44	1.3	<1
N833924		9.28	0.002	0.01	0.05	413	<0.2	<10	20	0.10	0.01	19.00	0.02	3.79	1.2	1
N833925		3.96	0.002	0.01	0.05	640	<0.2	<10	20	0.11	0.01	19.10	0.10	2.73	1.2	1
N833926		5.91	0.001	0.01	0.05	303	<0.2	<10	10	0.14	0.01	19.15	0.01	4.70	1.1	<1
N833927		2.55	0.001	0.01	0.05	304	<0.2	<10	10	0.11	0.01	19.30	0.01	4.96	1.2	1
N833928		10.24	0.001	0.02	0.06	423	<0.2	<10	30	0.15	0.01	20.0	0.01	6.43	1.7	<1
N833929		10.40	0.001	0.01	0.05	373	<0.2	<10	20	0.13	0.01	18.50	0.01	5.95	1.8	1
N833930		10.72	0.002	0.02	0.07	116	<0.2	<10	30	0.14	0.01	20.1	0.02	7.81	2.5	1
N833931		10.04	0.002	0.02	0.06	111	<0.2	<10	20	0.12	0.01	18.30	0.01	8.11	2.2	1
N833932		10.40	0.003	0.02	0.06	191	<0.2	<10	30	0.17	0.01	19.90	0.05	7.43	2.3	1
N833933		3.06	0.003	0.05	0.06	205	<0.2	<10	20	0.21	0.01	18.05	0.01	6.73	1.8	1
N833934		<0.02	0.002	0.02	0.05	187	<0.2	<10	20	0.18	0.01	16.75	<0.01	6.33	1.7	<1
N833935		3.18	0.002	0.03	0.08	7790	<0.2	<10	30	0.13	0.02	17.95	0.01	6.96	2.4	1
N833936		4.27	0.002	0.02	0.07	225	<0.2	<10	30	0.13	0.01	18.50	0.01	7.74	2.5	1
N833937		5.62	0.002	<0.01	0.04	9	<0.2	<10	10	0.05	0.03	20.4	0.06	1.35	2.4	<1
N833938		5.91	0.002	0.02	0.05	230	<0.2	<10	20	0.11	0.01	17.85	0.01	6.83	2.1	1
N833939		5.97	0.002	0.03	0.04	2140	<0.2	<10	10	0.10	0.01	18.25	0.01	7.47	2.1	<1
N833940		4.22	0.004	0.12	0.11	1440	<0.2	<10	80	0.27	0.03	18.10	0.04	7.00	3.0	1
N833941		3.27	0.002	<0.01	0.09	73	<0.2	<10	20	0.25	0.01	18.45	0.01	7.10	4.5	1

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163461**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833906		0.09	1.9	0.80	0.18	<0.05	0.02	0.50	<0.005	0.01	1.9	0.6	11.60	1010	0.11	0.03
N833907		0.18	1.8	0.98	0.24	0.06	0.03	0.54	<0.005	0.01	2.4	1.0	11.45	1040	0.11	0.03
N833908		0.15	3.0	0.79	0.20	<0.05	0.03	0.30	<0.005	0.01	2.1	0.7	11.65	977	0.14	0.03
N833909		0.32	6230	5.45	4.43	0.15	0.25	1.18	0.410	0.10	3.9	10.8	0.80	1620	20.9	0.07
N833910		0.13	2.7	0.97	0.17	<0.05	0.02	0.50	<0.005	0.01	1.4	0.6	11.65	1080	0.08	0.03
N833911		0.14	2.0	0.82	0.21	0.05	0.03	0.85	<0.005	0.01	2.4	0.7	11.65	1090	0.12	0.03
N833912		0.09	1.2	0.86	0.22	0.05	0.02	0.42	<0.005	0.01	1.6	0.6	12.05	1280	0.08	0.04
N833913		0.16	1.6	0.97	0.25	0.06	0.03	0.52	<0.005	0.01	2.4	0.7	11.60	1280	0.10	0.04
N833914		0.15	2.1	0.93	0.28	0.06	0.03	0.71	<0.005	0.01	3.0	0.7	11.20	1280	0.09	0.03
N833915		0.14	2.0	0.63	0.26	0.07	0.03	0.71	<0.005	0.01	2.4	0.7	11.75	1130	0.09	0.04
N833916		0.22	1.8	0.45	0.15	0.08	<0.02	0.02	<0.005	0.02	0.6	0.8	12.10	204	0.06	0.02
N833917		0.17	2.2	0.96	0.34	0.08	0.03	1.71	<0.005	0.01	2.8	0.9	11.80	1140	0.11	0.03
N833918		0.13	2.3	0.76	0.33	0.07	0.04	7.05	<0.005	0.01	2.3	0.7	11.50	1420	0.16	0.03
N833919		0.14	1.8	0.56	0.28	0.08	0.03	1.28	<0.005	0.02	2.0	0.7	12.05	923	0.13	0.04
N833920		0.16	2.3	0.52	0.25	0.08	0.03	1.60	<0.005	0.01	2.2	0.6	11.90	750	0.12	0.03
N833921		1.71	71.4	2.97	0.99	0.09	0.20	5.22	0.146	0.18	2.4	1.6	0.88	292	26.2	0.02
N833922		0.14	1.7	0.32	0.18	0.05	0.03	0.69	<0.005	0.01	2.0	0.5	11.95	548	0.08	0.03
N833923		0.10	1.5	0.55	0.22	0.07	0.02	5.62	<0.005	0.01	1.6	0.5	11.85	950	0.12	0.03
N833924		0.15	2.4	1.12	0.34	0.07	0.04	3.98	<0.005	0.01	2.4	0.7	11.20	1570	0.13	0.03
N833925		0.22	2.1	0.84	0.36	0.06	0.02	7.07	<0.005	0.01	1.7	1.5	11.20	1760	0.16	0.03
N833926		0.19	2.3	1.35	0.25	0.05	0.03	1.00	<0.005	0.01	2.8	0.6	10.80	1780	0.06	0.03
N833927		0.19	2.4	1.42	0.29	0.06	0.03	1.04	<0.005	0.01	3.0	0.7	10.95	1760	0.08	0.03
N833928		0.25	3.1	1.61	0.28	<0.05	0.05	2.10	<0.005	0.01	3.6	1.7	10.35	2060	0.09	0.03
N833929		0.18	2.2	1.35	0.26	<0.05	0.03	0.63	<0.005	0.01	3.5	1.0	10.80	1660	0.07	0.02
N833930		0.29	3.9	1.82	0.35	<0.05	0.05	1.46	<0.005	0.02	4.8	1.5	11.60	2020	0.09	0.03
N833931		0.25	3.4	1.97	0.30	<0.05	0.04	1.14	<0.005	0.02	4.6	1.0	10.45	1820	0.09	0.02
N833932		0.26	3.6	1.88	0.32	<0.05	0.04	2.27	<0.005	0.02	3.9	1.1	10.70	1790	0.08	0.03
N833933		0.18	2.6	1.62	0.30	<0.05	0.04	2.46	<0.005	0.02	3.8	0.8	9.98	1920	0.11	0.02
N833934		0.16	2.2	1.48	0.27	<0.05	0.04	2.23	<0.005	0.01	3.5	0.7	9.23	1780	0.07	0.02
N833935		0.67	4.3	2.28	0.33	0.05	0.05	3.99	0.009	0.03	4.2	1.0	10.50	1980	0.12	0.02
N833936		0.30	4.4	1.65	0.26	<0.05	0.05	2.84	<0.005	0.02	4.1	1.0	10.90	1180	0.15	0.03
N833937		0.27	2.1	0.50	0.19	0.14	<0.02	0.02	0.005	0.02	0.6	1.4	13.05	227	0.08	0.02
N833938		0.22	3.5	2.26	0.31	0.05	0.04	4.21	<0.005	0.01	4.0	1.0	9.93	1980	0.11	0.02
N833939		0.19	3.3	2.84	0.34	0.07	0.03	4.49	0.006	0.01	4.6	1.0	10.05	2250	0.11	0.02
N833940		0.69	5.7	2.09	0.43	0.05	0.09	5.25	0.006	0.03	3.8	2.3	9.53	1680	0.10	0.02
N833941		0.67	2.8	0.91	0.32	0.07	0.04	0.80	0.011	0.03	4.3	1.5	10.45	844	0.05	0.02

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163461**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833906		0.18	0.6	210	2.0	0.4	<0.001	0.03	2.72	0.4	0.3	<0.2	54.0	<0.01	0.02	0.2
N833907		0.24	1.0	420	2.8	0.6	0.001	0.02	2.60	0.5	0.3	<0.2	58.3	<0.01	0.02	0.3
N833908		0.19	0.9	310	2.8	0.5	<0.001	0.03	2.64	0.4	0.4	<0.2	59.8	<0.01	0.02	0.3
N833909		0.29	26.2	430	>10000	3.4	0.010	2.35	403	5.0	2.2	1.4	27.8	0.01	1.05	0.9
N833910		0.18	<0.2	260	3.7	0.4	<0.001	0.01	2.16	0.3	0.3	<0.2	48.5	<0.01	0.02	<0.2
N833911		0.21	1.2	280	2.5	0.5	<0.001	0.02	3.93	0.5	0.4	<0.2	55.5	<0.01	0.02	0.3
N833912		0.23	1.2	270	2.4	0.3	0.001	0.03	2.74	0.4	0.4	<0.2	41.5	<0.01	0.02	0.2
N833913		0.24	1.5	300	3.0	0.4	0.001	0.02	3.93	0.5	0.3	<0.2	46.0	<0.01	0.02	0.2
N833914		0.26	1.7	410	4.2	0.5	0.001	0.06	7.55	0.6	0.5	<0.2	71.3	<0.01	0.02	0.3
N833915		0.26	2.3	340	5.7	0.4	0.001	0.10	11.30	0.6	0.5	<0.2	78.5	<0.01	0.03	0.2
N833916		0.26	3.6	170	1.2	1.0	0.001	0.02	0.07	0.5	0.3	<0.2	42.7	<0.01	0.02	<0.2
N833917		0.25	3.0	350	3.2	0.5	0.001	0.04	6.04	0.6	0.4	<0.2	56.6	<0.01	0.02	0.3
N833918		0.26	3.5	360	3.4	0.5	0.001	0.03	8.81	0.7	0.5	<0.2	80.1	<0.01	0.02	0.3
N833919		0.25	3.5	680	2.8	0.6	0.001	0.02	6.53	0.6	0.4	<0.2	60.8	<0.01	0.02	0.3
N833920		0.25	3.7	310	3.8	0.6	0.001	0.04	8.16	0.6	0.5	<0.2	61.7	<0.01	0.02	0.3
N833921		0.10	69.6	830	18.9	12.0	0.036	1.97	9.39	3.2	6.7	2.0	31.2	<0.01	0.69	2.1
N833922		0.24	3.4	260	2.0	0.5	0.001	0.03	3.37	0.5	0.4	<0.2	47.4	<0.01	0.02	0.3
N833923		0.24	3.6	310	3.0	0.3	0.001	0.02	6.92	0.5	0.5	<0.2	51.4	<0.01	0.03	0.2
N833924		0.27	3.8	400	6.4	0.5	0.001	0.02	14.15	1.0	0.5	0.2	86.7	<0.01	0.03	0.3
N833925		0.25	3.8	340	3.1	0.4	0.001	0.01	14.75	0.7	0.4	0.2	95.1	<0.01	0.03	0.2
N833926		0.16	2.0	180	3.8	0.5	0.001	0.05	6.82	0.6	0.4	0.2	87.7	<0.01	0.03	0.2
N833927		0.20	2.7	190	3.9	0.5	0.001	0.06	6.81	0.6	0.4	0.2	86.3	<0.01	0.03	0.2
N833928		0.31	0.9	270	7.9	0.6	<0.001	0.10	8.90	0.8	0.4	<0.2	97.2	<0.01	0.01	0.3
N833929		0.34	1.4	200	4.5	0.6	<0.001	0.11	4.37	0.7	0.3	<0.2	88.7	<0.01	0.01	0.3
N833930		0.42	2.1	260	9.2	0.9	<0.001	0.26	5.13	1.0	0.4	0.2	95.3	<0.01	0.02	0.4
N833931		0.39	1.7	370	9.5	0.8	<0.001	0.31	4.47	0.7	0.4	<0.2	79.7	<0.01	0.02	0.4
N833932		0.43	2.8	300	12.2	0.8	<0.001	0.64	2.83	0.9	0.4	<0.2	109.5	<0.01	0.02	0.4
N833933		0.33	1.6	330	9.5	0.9	<0.001	0.40	2.64	0.7	0.4	<0.2	92.9	<0.01	0.01	0.3
N833934		0.31	1.5	300	8.6	0.8	<0.001	0.36	2.46	0.6	0.3	<0.2	86.7	<0.01	0.01	0.3
N833935		0.37	2.2	440	12.0	1.3	<0.001	0.99	58.9	1.0	0.4	<0.2	89.9	<0.01	0.02	0.5
N833936		0.37	3.2	810	24.9	0.8	<0.001	1.11	5.18	0.9	0.5	<0.2	103.0	<0.01	0.02	0.4
N833937		0.41	3.7	190	1.5	1.3	<0.001	0.02	0.10	0.7	0.3	<0.2	47.0	<0.01	0.01	<0.2
N833938		0.43	2.2	490	12.2	0.6	<0.001	0.59	3.71	0.8	0.4	<0.2	91.9	<0.01	0.01	0.3
N833939		0.46	2.1	460	9.3	0.5	<0.001	0.59	8.47	0.7	0.5	<0.2	91.5	<0.01	0.01	0.2
N833940		0.44	2.4	460	31.7	1.6	0.001	0.71	7.35	1.8	0.7	<0.2	237	<0.01	0.02	0.5
N833941		0.42	5.4	500	6.4	1.1	<0.001	0.30	2.00	4.6	0.6	<0.2	101.5	<0.01	0.01	0.2



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163461**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001
N833906		<0.005	0.43	1.15	2	7.33	4.22	7	1.0		
N833907		<0.005	0.28	1.58	2	0.05	4.82	7	1.1		
N833908		<0.005	0.30	1.36	2	0.85	4.69	5	1.6		
N833909		0.090	0.20	0.65	41	0.22	6.62	4960	7.2	103	1.015
N833910		<0.005	0.10	0.92	2	0.12	3.67	9	1.0		
N833911		<0.005	0.12	1.18	2	0.59	3.98	16	1.0		
N833912		<0.005	0.18	0.97	2	0.26	2.94	6	0.6		
N833913		<0.005	0.27	1.39	2	0.41	3.93	8	0.8		
N833914		<0.005	1.54	1.63	2	0.07	6.24	23	1.0		
N833915		<0.005	1.85	1.72	2	0.06	6.09	22	0.8		
N833916		<0.005	<0.02	0.47	2	0.17	0.78	12	<0.5		
N833917		<0.005	1.04	1.70	2	0.05	5.20	166	1.1		
N833918		<0.005	3.45	1.77	3	0.60	6.33	36	1.4		
N833919		<0.005	0.51	1.43	2	0.05	3.50	14	1.2		
N833920		<0.005	0.53	1.47	2	0.29	4.16	13	1.0		
N833921		<0.005	2.17	1.80	58	2.30	6.87	142	8.0		
N833922		<0.005	0.52	1.32	2	<0.05	3.23	6	0.8		
N833923		<0.005	1.17	1.22	2	1.82	3.07	18	0.9		
N833924		<0.005	2.16	1.62	3	0.09	5.61	23	1.8		
N833925		<0.005	2.37	1.71	3	0.27	4.07	41	0.9		
N833926		<0.005	0.86	0.73	2	<0.05	4.31	5	1.0		
N833927		<0.005	0.89	0.72	2	0.26	4.28	5	1.0		
N833928		<0.005	1.04	1.20	2	0.06	6.10	4	2.7		
N833929		<0.005	0.62	1.10	2	0.46	4.36	5	1.5		
N833930		<0.005	1.53	1.33	3	0.05	5.21	9	1.9		
N833931		<0.005	1.25	1.38	2	0.20	5.57	4	1.3		
N833932		<0.005	2.38	1.30	2	0.05	5.87	22	1.4		
N833933		<0.005	2.89	1.37	2	0.30	5.62	4	1.6		
N833934		<0.005	2.60	1.26	2	<0.05	5.30	3	1.5		
N833935		<0.005	9.36	1.80	2	0.23	4.95	4	1.4		
N833936		<0.005	3.52	2.76	3	0.05	6.41	4	1.3		
N833937		<0.005	0.02	0.65	2	0.14	0.91	14	<0.5		
N833938		<0.005	2.73	1.88	2	<0.05	5.71	3	1.0		
N833939		<0.005	3.95	1.60	2	0.20	6.55	4	1.3		
N833940		<0.005	2.83	1.50	3	0.89	6.87	18	5.3		
N833941		<0.005	0.58	1.60	4	0.29	10.15	6	0.8		

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163461**

<b>CERTIFICATE COMMENTS</b>	
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Applies to Method:	
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**This copy reported on**  
**19- JUN- 2013**  
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**CERTIFICATE WH12163463**

Project: Crag East 1  
 P.O. No.:  
 This report is for 112 Soil samples submitted to our lab in Whitehorse, YT, Canada on 13- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

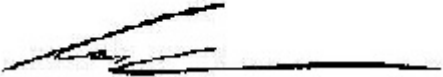
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160351		0.17	<0.001	0.10	1.41	29.5	<0.2	<10	110	0.65	0.46	0.07	0.04	11.60	12.0	29
CC160352		0.19	0.001	0.05	1.88	14.8	<0.2	<10	140	1.24	0.45	0.04	0.05	14.70	11.6	27
CC160353		0.14	0.002	0.09	1.61	17.2	<0.2	<10	150	1.21	0.42	0.07	0.05	14.85	12.5	25
CC160354		0.22	0.001	0.06	0.65	15.5	<0.2	<10	110	1.04	0.50	0.09	0.03	12.30	6.6	18
CC160355		0.17	0.003	0.33	2.09	22.4	<0.2	<10	1050	5.54	0.56	0.52	0.16	30.6	19.1	32
CC160356		0.16	0.003	0.17	1.68	22.1	<0.2	<10	270	1.74	0.45	0.63	0.05	15.40	10.1	28
CC160357		0.15	<0.001	0.08	1.83	11.2	<0.2	<10	220	1.62	0.46	0.28	0.09	12.15	11.5	28
CC160358		0.19	0.001	0.10	1.76	15.1	<0.2	<10	300	1.58	0.33	0.28	0.08	22.9	11.8	30
CC160359		0.11	0.006	0.35	2.10	21.1	<0.2	<10	350	3.87	0.43	0.69	0.25	37.7	12.0	23
CC160360		0.20	0.003	0.27	1.60	20.3	<0.2	<10	290	1.91	0.35	0.50	0.20	18.30	11.1	29
CC160361		0.23	0.002	0.12	1.42	17.3	<0.2	<10	230	1.56	0.36	0.41	0.08	18.10	8.8	28
CC160362		0.15	0.001	0.04	1.48	11.1	<0.2	<10	110	0.46	0.30	0.05	0.03	15.90	6.0	23
CC160363		0.19	<0.001	0.07	1.74	28.6	<0.2	<10	150	1.08	0.39	0.06	0.07	12.30	11.2	30
CC160364		0.24	0.001	0.11	1.40	29.4	<0.2	<10	270	1.64	0.41	0.39	0.05	10.75	10.9	27
CC160365		0.14	0.001	0.05	1.19	25.9	<0.2	<10	170	1.20	0.39	0.58	0.10	12.65	11.3	26
CC160366		0.19	<0.001	0.04	1.79	36.9	<0.2	<10	240	1.80	0.48	0.26	0.04	13.40	14.4	29
CC160367		0.09	0.001	0.10	1.22	127.0	<0.2	<10	110	1.42	0.31	1.96	0.27	9.32	12.7	20
CC160368		0.18	0.001	0.04	1.50	20.1	<0.2	<10	200	1.11	0.32	0.47	0.06	19.15	9.8	27
CC160369		0.17	<0.001	0.14	1.62	32.5	<0.2	<10	120	1.62	0.39	0.91	0.19	18.75	12.2	29
CC160370		0.16	0.005	0.27	0.46	39.1	<0.2	<10	140	0.87	0.25	0.61	0.44	3.67	6.3	11
CC160371		0.23	0.006	0.33	0.50	66.3	<0.2	<10	240	1.15	0.28	0.59	0.56	4.19	8.0	12
CC160372		0.17	0.004	0.22	0.91	29.0	<0.2	<10	190	1.12	0.26	1.20	0.36	8.42	6.7	17
CC160373		0.18	0.011	0.09	1.55	27.5	<0.2	<10	280	2.32	0.32	0.96	0.94	14.30	32.2	25
CC160374		0.09	0.002	0.09	1.64	11.7	<0.2	<10	240	1.55	0.30	1.30	0.17	14.95	10.9	25
CC160375		0.21	<0.001	0.06	1.18	12.0	<0.2	<10	230	2.13	0.40	0.75	0.04	10.75	10.2	29
CC160376		0.14	0.001	0.05	1.32	23.0	<0.2	<10	370	1.19	0.34	0.57	0.06	12.70	8.0	24
CC160377		0.16	0.002	0.04	1.58	9.9	<0.2	<10	220	0.84	0.33	0.28	0.10	12.70	8.6	30
CC160378		0.16	<0.001	0.03	1.14	12.4	<0.2	<10	120	0.49	0.34	0.20	0.08	14.35	7.2	25
CC160379		0.24	0.001	0.05	1.58	15.4	<0.2	<10	220	1.47	0.36	0.53	0.10	17.65	16.5	28
CC160380		0.25	0.001	0.05	1.79	13.4	<0.2	<10	280	1.56	0.37	0.64	0.10	19.75	15.2	28
CC160381		0.17	0.001	0.07	1.74	11.0	<0.2	<10	200	1.44	0.33	0.51	0.09	15.80	10.0	28
CC160382		0.18	0.002	0.09	2.00	13.6	<0.2	<10	240	1.52	0.34	0.70	0.14	14.30	8.8	29
CC160383		0.15	0.002	0.07	1.62	13.6	<0.2	<10	170	1.29	0.32	0.52	0.18	17.65	11.6	27
CC160384		0.18	<0.001	0.08	1.59	14.7	<0.2	<10	170	1.22	0.30	0.58	0.18	19.90	13.6	26
CC160385		0.14	0.004	0.29	0.73	36.6	<0.2	<10	250	1.36	0.29	0.91	0.30	7.25	5.0	15
CC160386		0.15	0.002	0.34	1.37	40.1	<0.2	<10	520	1.62	0.31	1.11	0.27	15.35	13.7	23
CC160387		0.18	0.005	0.73	0.19	23.4	<0.2	<10	110	0.37	0.26	0.18	0.28	1.29	0.9	7
CC160388		0.27	0.004	0.76	0.46	81.7	<0.2	<10	200	0.70	0.27	0.31	0.19	3.36	5.5	11
CC160389		0.12	0.001	0.12	0.98	70.9	<0.2	<10	690	0.57	0.38	1.18	0.20	15.80	11.1	16
CC160390		0.17	0.001	0.08	0.81	81.8	<0.2	<10	150	0.51	0.13	0.38	0.15	10.50	9.4	15



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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160351		1.52	35.5	4.81	6.19	<0.05	0.03	0.14	0.045	0.08	5.5	15.7	0.28	709	0.75	0.01
CC160352		1.57	34.0	4.25	6.78	<0.05	0.03	0.05	0.049	0.07	6.7	22.3	0.40	406	0.80	0.02
CC160353		1.26	28.4	4.35	6.66	0.08	0.04	0.05	0.040	0.08	6.1	19.6	0.35	719	0.65	<0.01
CC160354		0.96	42.8	3.20	3.16	0.06	<0.02	0.03	0.043	0.08	4.9	7.8	0.14	175	0.30	<0.01
CC160355		5.72	77.9	4.85	6.02	0.17	0.14	0.31	0.063	0.14	14.6	29.6	0.34	2130	0.60	<0.01
CC160356		2.65	44.2	3.91	5.25	0.08	0.09	0.13	0.042	0.12	7.0	20.9	0.55	628	0.63	0.01
CC160357		2.64	34.2	3.84	7.15	0.07	0.02	0.04	0.042	0.10	4.9	25.8	0.60	341	0.44	0.01
CC160358		1.43	29.0	3.92	5.71	0.09	0.04	0.10	0.036	0.08	11.4	27.0	0.53	499	0.74	0.01
CC160359		5.39	48.0	4.39	5.37	0.19	0.12	0.23	0.068	0.13	13.3	28.4	0.38	968	0.73	0.02
CC160360		1.51	45.9	3.97	4.76	0.12	0.09	0.27	0.044	0.11	10.4	20.0	0.41	739	0.65	0.01
CC160361		1.96	35.2	3.56	4.75	0.10	0.06	0.14	0.040	0.09	8.7	20.5	0.46	550	0.45	0.01
CC160362		1.07	10.0	3.04	5.99	0.06	<0.02	0.05	0.023	0.06	7.1	15.8	0.25	256	0.72	<0.01
CC160363		1.39	25.9	4.61	5.53	0.08	0.02	0.18	0.041	0.07	5.1	26.6	0.37	519	0.79	<0.01
CC160364		1.14	48.8	4.37	4.65	0.09	0.07	0.20	0.049	0.09	5.4	18.7	0.40	549	0.68	<0.01
CC160365		0.88	42.5	4.02	4.40	0.08	0.05	0.15	0.042	0.10	4.7	17.5	0.46	908	0.69	0.01
CC160366		1.05	51.1	4.79	6.33	0.09	0.06	0.11	0.049	0.10	5.3	22.1	0.46	1040	0.66	0.01
CC160367		5.12	37.4	4.35	4.05	0.09	0.07	0.22	0.036	0.10	3.9	15.2	0.30	1830	14.70	0.01
CC160368		0.89	24.4	3.56	5.13	0.08	0.04	0.08	0.033	0.07	8.1	19.7	0.38	546	1.51	<0.01
CC160369		2.19	41.7	4.52	5.11	0.11	0.09	0.17	0.042	0.12	7.8	27.3	0.43	661	8.57	0.01
CC160370		6.03	35.3	1.61	1.72	<0.05	0.04	0.41	0.039	0.04	1.6	4.5	0.08	219	21.6	<0.01
CC160371		7.56	42.4	3.35	1.89	0.07	0.05	0.51	0.042	0.05	1.9	4.2	0.08	1320	28.1	<0.01
CC160372		3.81	33.0	2.28	3.07	0.06	0.05	0.39	0.034	0.08	3.6	13.8	0.22	1210	6.27	0.01
CC160373		21.3	25.5	6.56	4.67	0.13	0.10	0.11	0.036	0.12	6.7	19.7	0.40	2450	4.53	<0.01
CC160374		1.02	27.1	3.38	5.31	0.09	0.07	0.10	0.034	0.13	6.1	21.8	0.40	571	0.60	0.01
CC160375		1.46	42.2	4.17	4.00	0.09	0.07	0.12	0.036	0.09	5.2	14.2	0.37	492	0.49	0.01
CC160376		0.75	38.5	3.70	4.99	0.08	0.05	0.17	0.036	0.09	7.2	16.8	0.28	382	0.63	0.01
CC160377		1.10	14.9	3.55	6.93	0.07	0.03	0.03	0.030	0.12	5.6	16.8	0.36	335	0.62	0.01
CC160378		1.16	10.7	3.47	5.27	0.07	0.02	0.04	0.025	0.10	6.3	15.5	0.33	319	0.72	<0.01
CC160379		0.88	33.6	4.20	5.45	0.09	0.06	0.10	0.038	0.09	6.2	24.1	0.47	1220	0.67	<0.01
CC160380		0.89	26.3	4.07	5.93	0.09	0.08	0.08	0.038	0.11	6.8	29.3	0.51	979	0.64	0.01
CC160381		1.02	22.1	3.88	5.77	0.10	0.07	0.10	0.033	0.12	6.9	28.1	0.50	365	0.71	<0.01
CC160382		1.01	26.7	4.12	5.98	0.10	0.11	0.12	0.041	0.16	7.0	30.8	0.48	284	1.33	<0.01
CC160383		1.00	22.0	4.00	5.23	0.09	0.07	0.12	0.032	0.11	6.8	27.7	0.48	670	1.89	0.01
CC160384		0.90	20.4	3.79	5.37	0.09	0.06	0.13	0.035	0.10	6.9	29.5	0.51	482	3.55	<0.01
CC160385		2.94	37.8	1.88	2.64	0.05	0.06	0.56	0.052	0.07	3.1	8.9	0.17	348	6.66	<0.01
CC160386		3.46	42.1	3.66	4.12	0.09	0.06	0.69	0.043	0.09	6.7	20.4	0.41	1140	2.66	<0.01
CC160387		12.85	27.0	2.40	0.77	0.05	0.06	2.35	0.036	0.04	0.8	1.4	0.03	33	10.40	<0.01
CC160388		21.0	30.8	2.95	1.46	0.05	0.05	2.69	0.036	0.06	1.6	5.7	0.10	237	9.55	<0.01
CC160389		7.44	21.5	2.63	3.03	<0.05	0.05	1.55	0.038	0.07	7.2	10.6	0.31	511	1.32	0.02
CC160390		4.61	10.5	2.63	1.71	<0.05	0.07	6.22	0.024	0.03	4.3	5.1	0.20	793	0.52	0.01

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





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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units LOR	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160351		0.66	18.5	240	21.3	15.7	<0.001	0.02	0.35	3.7	0.3	0.8	10.2	<0.01	0.05	3.3
CC160352		0.51	24.8	200	23.3	15.7	<0.001	0.01	0.33	3.8	0.4	0.8	9.2	<0.01	0.05	3.8
CC160353		0.72	18.1	240	24.0	16.9	<0.001	0.01	0.24	3.9	0.2	0.8	10.4	<0.01	0.03	3.8
CC160354		0.22	19.0	280	16.0	8.2	<0.001	0.01	0.16	3.9	<0.2	0.8	30.2	<0.01	0.03	3.4
CC160355		0.63	40.0	780	34.9	23.1	<0.001	0.04	0.28	12.3	2.2	1.0	50.1	0.01	0.06	5.5
CC160356		0.70	24.4	670	24.2	14.7	<0.001	0.05	0.34	5.8	0.6	0.6	57.0	<0.01	0.04	3.7
CC160357		0.45	26.3	260	23.0	14.3	<0.001	0.02	0.20	3.8	<0.2	0.8	38.8	<0.01	0.04	2.9
CC160358		0.98	29.1	260	17.9	11.9	<0.001	0.02	0.33	5.2	0.4	0.7	23.2	<0.01	0.03	4.7
CC160359		0.48	25.0	1020	40.9	21.9	0.001	0.12	0.27	8.2	2.2	0.6	104.0	0.01	0.04	4.0
CC160360		0.75	27.8	740	20.0	13.2	<0.001	0.05	0.39	7.1	1.3	0.7	35.6	0.01	0.04	3.0
CC160361		0.80	25.4	750	16.3	14.3	<0.001	0.04	0.25	5.4	0.6	0.7	33.9	0.01	0.04	3.4
CC160362		0.94	11.8	130	14.8	15.5	<0.001	0.01	0.26	2.3	<0.2	0.8	6.5	<0.01	0.03	3.1
CC160363		0.89	21.1	160	24.8	14.7	<0.001	0.01	0.35	3.3	<0.2	0.8	8.7	<0.01	0.04	4.0
CC160364		0.77	25.1	360	23.0	10.0	<0.001	0.03	0.31	5.7	0.5	0.7	31.8	<0.01	0.05	3.7
CC160365		0.71	18.9	490	24.6	15.4	<0.001	0.04	0.35	4.6	0.2	0.7	65.4	<0.01	0.04	2.4
CC160366		0.59	23.7	190	31.1	12.0	<0.001	0.02	0.24	5.7	0.2	0.9	21.8	<0.01	0.04	4.6
CC160367		0.63	39.6	580	19.9	22.3	0.001	0.12	0.49	4.3	1.1	0.6	30.0	<0.01	0.05	1.9
CC160368		0.96	21.9	210	18.5	11.2	<0.001	0.02	0.36	3.9	0.3	0.7	17.1	<0.01	0.04	3.6
CC160369		0.93	31.2	700	27.0	18.8	<0.001	0.09	0.40	5.9	0.8	0.7	20.6	<0.01	0.04	3.7
CC160370		0.18	23.4	320	15.0	7.9	0.008	0.07	1.05	3.4	3.2	0.6	46.2	<0.01	0.10	0.7
CC160371		0.19	32.0	400	16.5	8.4	0.011	0.07	1.30	4.1	3.7	0.6	61.5	<0.01	0.13	0.8
CC160372		0.43	21.7	470	16.3	9.3	0.003	0.12	0.58	4.0	2.1	0.6	54.0	<0.01	0.08	1.3
CC160373		0.70	120.5	630	20.8	17.2	0.001	0.06	0.43	5.0	1.3	0.7	34.0	0.01	0.06	2.7
CC160374		0.73	24.8	660	17.8	13.2	<0.001	0.06	0.30	4.4	0.7	0.7	51.7	<0.01	0.04	2.1
CC160375		0.87	22.5	320	21.4	11.9	<0.001	0.04	0.33	5.4	0.5	0.9	38.0	<0.01	0.05	3.4
CC160376		0.82	17.5	230	21.9	11.8	<0.001	0.02	0.29	4.3	0.4	0.7	25.8	<0.01	0.04	3.1
CC160377		0.70	18.1	210	18.4	18.9	<0.001	0.02	0.20	3.2	<0.2	0.8	19.0	<0.01	0.03	3.5
CC160378		0.98	14.8	130	19.8	15.7	<0.001	0.02	0.24	2.7	<0.2	0.7	13.6	<0.01	0.03	3.1
CC160379		0.99	27.1	220	26.3	10.0	<0.001	0.02	0.32	4.6	0.3	0.7	25.5	<0.01	0.04	4.1
CC160380		0.89	27.9	220	25.7	11.7	<0.001	0.03	0.34	4.9	0.4	0.8	30.2	<0.01	0.04	4.3
CC160381		0.81	25.6	360	17.4	12.5	<0.001	0.04	0.26	4.6	0.8	0.8	24.1	<0.01	0.03	3.3
CC160382		0.63	25.0	560	16.8	14.5	<0.001	0.06	0.24	5.3	1.2	0.8	32.1	<0.01	0.04	3.2
CC160383		0.69	25.1	500	21.2	11.2	<0.001	0.04	0.34	4.2	1.0	0.7	26.3	<0.01	0.04	3.7
CC160384		0.73	25.6	490	20.4	10.5	0.001	0.03	0.40	4.2	1.3	0.7	29.6	<0.01	0.04	3.6
CC160385		0.31	15.0	390	16.7	8.0	0.002	0.06	0.91	4.4	1.8	0.6	80.1	<0.01	0.10	1.5
CC160386		0.79	38.7	520	22.3	9.6	<0.001	0.06	1.06	5.4	1.3	0.6	39.4	0.01	0.06	1.9
CC160387		0.06	13.6	280	17.6	5.6	0.007	0.02	2.33	2.7	1.6	0.5	42.3	<0.01	0.15	0.6
CC160388		0.19	38.1	230	17.8	7.8	0.002	0.03	2.44	3.7	1.4	0.5	39.6	<0.01	0.11	1.1
CC160389		0.49	20.0	320	18.3	10.1	<0.001	0.05	1.42	3.9	0.5	0.6	39.2	<0.01	0.05	2.1
CC160390		0.15	22.2	200	61.8	8.4	<0.001	0.02	7.64	3.6	0.4	0.4	9.5	<0.01	0.03	2.9



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160351		0.009	0.10	0.47	33	0.12	2.57	85	1.1
CC160352		0.006	0.11	0.53	33	0.10	3.29	80	1.2
CC160353		0.008	0.10	0.48	35	0.11	4.49	81	1.3
CC160354		<0.005	0.05	0.58	22	0.05	4.22	70	<0.5
CC160355		<0.005	0.07	2.59	34	0.18	42.6	96	2.0
CC160356		0.008	0.07	1.00	32	0.14	8.37	84	1.9
CC160357		0.006	0.06	0.48	27	0.05	4.65	97	0.7
CC160358		0.019	0.09	1.21	38	0.17	9.22	87	0.9
CC160359		<0.005	0.11	1.63	26	0.12	36.4	91	1.4
CC160360		0.014	0.09	1.48	30	0.19	20.2	108	1.5
CC160361		0.016	0.06	1.04	28	0.15	11.75	80	1.1
CC160362		0.014	0.11	0.44	40	0.17	1.87	50	0.5
CC160363		0.009	0.10	0.59	34	0.16	2.63	68	1.0
CC160364		0.010	0.06	1.06	26	0.14	7.93	97	1.5
CC160365		0.014	0.06	0.81	32	0.18	3.55	105	1.0
CC160366		0.006	0.07	0.74	31	0.10	5.97	94	2.0
CC160367		0.006	0.39	2.84	25	0.12	6.94	257	1.6
CC160368		0.015	0.09	0.75	37	0.18	4.94	67	1.2
CC160369		0.013	0.16	1.82	35	0.17	9.18	133	2.3
CC160370		<0.005	0.76	2.42	49	0.16	5.72	75	1.4
CC160371		<0.005	1.09	2.56	58	0.17	7.08	114	1.7
CC160372		<0.005	0.69	2.00	42	0.10	7.13	98	1.6
CC160373		0.009	2.77	1.50	29	0.14	14.90	1080	2.0
CC160374		0.008	0.09	0.92	27	0.11	8.06	83	1.7
CC160375		0.012	0.07	1.16	29	0.17	7.62	61	1.7
CC160376		0.008	0.08	1.00	32	0.14	7.84	59	1.2
CC160377		0.009	0.08	0.66	35	0.08	2.88	76	1.1
CC160378		0.019	0.08	0.49	34	0.16	2.11	68	0.6
CC160379		0.014	0.08	0.75	30	0.12	5.84	84	1.7
CC160380		0.010	0.09	0.78	31	0.14	6.75	77	2.0
CC160381		0.011	0.10	1.11	29	0.11	7.56	80	1.9
CC160382		0.006	0.12	2.15	33	0.08	8.69	136	2.6
CC160383		0.012	0.11	1.01	30	0.09	6.24	123	1.8
CC160384		0.011	0.12	0.77	31	0.09	5.97	114	1.5
CC160385		<0.005	0.66	0.99	47	0.11	5.39	45	2.3
CC160386		0.008	0.85	1.05	38	0.14	11.70	129	1.2
CC160387		<0.005	0.91	0.26	61	<0.05	3.65	86	2.8
CC160388		<0.005	2.56	0.40	64	0.15	4.69	128	1.9
CC160389		0.008	1.17	1.32	36	0.18	6.77	63	1.4
CC160390		<0.005	1.14	1.50	22	0.09	7.13	186	2.2



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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC160391		0.20	<0.001	0.02	1.35	12.4	<0.2	<10	150	0.37	0.23	0.06	0.06	19.75	6.0	20
CC160392		0.18	0.001	0.05	1.92	35.5	<0.2	<10	170	0.65	0.32	0.07	0.03	13.10	12.2	30
CC160393		0.15	0.001	0.08	1.69	15.5	<0.2	<10	150	0.51	0.27	0.16	0.08	23.5	9.7	28
CC160394		0.13	0.002	0.22	1.38	25.3	<0.2	<10	300	0.84	0.24	1.64	0.10	23.4	11.5	24
CC160395		0.17	<0.001	0.11	1.05	12.6	<0.2	<10	330	0.50	0.27	0.34	0.05	13.90	5.5	13
CC160396		0.18	0.001	0.15	0.39	42.1	<0.2	<10	90	0.48	0.33	0.55	0.09	6.23	11.1	7
CC160397		0.22	<0.001	0.07	0.85	25.4	<0.2	<10	220	0.79	0.33	0.70	0.06	17.75	12.7	15
CC160296		0.16	0.001	0.15	1.07	16.6	<0.2	<10	390	1.27	0.35	0.96	0.20	14.35	16.8	24
CC160297		0.20	0.001	0.15	1.07	21.4	<0.2	<10	290	1.22	0.36	1.25	0.08	12.20	13.6	22
CC160298		0.19	<0.001	0.10	1.38	10.8	<0.2	<10	220	1.27	0.38	1.55	0.10	9.45	12.2	23
CC160299		0.16	0.001	0.09	1.81	7.8	<0.2	<10	260	2.04	0.46	0.22	0.10	11.50	11.4	28
CC160300		0.20	0.002	0.08	1.39	12.2	<0.2	<10	160	0.88	0.38	0.14	0.06	10.60	12.9	29
CC160037		0.17	0.001	0.09	1.67	14.9	<0.2	<10	240	1.30	0.36	0.84	0.13	16.30	16.2	28
CC160038		0.18	0.001	0.11	1.43	14.7	<0.2	<10	200	1.06	0.32	1.12	0.11	15.25	14.3	25
CC160039		0.20	0.002	0.09	1.49	17.1	<0.2	<10	200	1.09	0.33	0.69	0.09	18.30	16.2	27
CC160040		0.11	0.002	0.03	1.58	12.8	<0.2	<10	140	0.81	0.27	0.13	0.04	16.40	12.1	27
CC160041		0.18	0.001	0.07	1.49	18.2	<0.2	<10	240	1.07	0.32	0.60	0.08	16.45	14.0	27
CC160042		0.14	0.002	0.09	1.45	19.8	<0.2	<10	230	1.32	0.38	0.93	0.07	17.05	17.6	26
CC160043		0.19	0.001	0.09	1.27	17.1	<0.2	<10	210	1.20	0.34	0.97	0.11	19.30	14.4	22
CC160044		0.26	<0.001	0.09	0.85	10.7	<0.2	<10	190	0.89	0.33	0.82	0.06	14.95	9.0	15
CC160045		0.15	0.001	0.05	1.12	12.5	<0.2	<10	120	0.38	0.24	0.59	0.06	14.00	9.6	21
CC160046		0.25	0.003	0.16	1.41	13.8	<0.2	<10	280	0.73	0.26	0.91	0.12	28.3	13.1	26
CC160047		0.15	<0.001	0.28	0.59	121	<0.2	<10	100	0.48	0.05	14.35	1.03	11.15	4.0	8
CC160048		0.13	0.001	0.97	1.36	136.0	<0.2	<10	140	0.90	0.19	8.47	1.46	19.65	10.5	19
CC160049		0.11	0.002	5.04	0.32	630	<0.2	<10	100	0.50	0.04	14.55	7.57	10.65	6.0	8
CC160050		0.14	0.002	2.04	1.37	233	<0.2	<10	130	0.73	0.18	6.34	2.41	19.40	8.1	23
CC160051		0.17	<0.001	0.47	0.72	105	<0.2	<10	90	0.46	0.08	13.90	3.96	11.75	5.7	10
CC160052		0.21	0.001	1.11	1.36	346	<0.2	<10	130	1.12	0.28	5.06	1.36	16.50	15.4	22
CC160053		0.12	0.001	0.18	0.88	90	<0.2	<10	110	0.42	0.10	10.65	0.67	18.85	6.4	16
CC160054		0.19	0.001	0.12	1.47	72.3	<0.2	<10	140	0.83	0.26	2.06	0.99	22.0	11.0	24
CC160055		0.20	0.001	0.15	1.03	168.0	<0.2	<10	90	0.69	0.22	5.38	0.42	15.15	10.6	18
CC160056		0.15	0.003	0.07	1.33	33.8	<0.2	<10	140	0.67	0.30	2.77	0.16	17.10	16.4	24
CC160057		0.14	0.002	0.12	0.87	25.6	<0.2	<10	140	0.47	0.20	1.48	0.40	16.55	8.4	16
CC160058		0.13	0.002	0.16	0.54	41.7	<0.2	<10	140	0.47	0.15	2.99	0.26	19.15	6.9	12
CC160059		0.14	0.001	0.15	0.42	35.1	<0.2	<10	130	0.57	0.17	1.41	0.23	21.3	7.0	11
CC160060		0.14	0.002	0.12	1.21	20.5	<0.2	<10	230	0.93	0.25	1.82	0.22	19.35	11.5	21
CC160061		0.12	0.001	0.09	0.65	16.0	<0.2	<10	150	0.65	0.23	0.73	0.10	25.5	9.9	13
CC160062		0.20	0.002	0.13	0.84	20.0	<0.2	<10	150	1.11	0.34	1.37	0.14	15.70	13.2	15
CC160063		0.12	0.001	0.08	1.06	14.3	<0.2	<10	270	0.99	0.26	1.62	0.25	20.9	9.0	15
CC160064		0.10	0.003	0.18	0.63	9.2	<0.2	10	320	0.82	0.16	3.94	0.18	16.85	7.6	9



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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160391		1.56	9.7	2.58	4.99	<0.05	0.03	0.06	0.024	0.04	9.6	13.9	0.23	314	0.73	0.01
CC160392		1.57	21.8	4.53	5.23	<0.05	0.07	0.24	0.041	0.05	5.8	27.6	0.37	497	0.82	0.01
CC160393		2.61	11.9	3.39	5.21	<0.05	0.07	0.04	0.029	0.07	11.4	21.6	0.42	283	0.73	0.01
CC160394		1.52	32.2	2.93	3.85	<0.05	0.05	0.32	0.032	0.06	12.1	16.2	0.37	561	0.70	0.02
CC160395		2.03	12.3	2.52	3.44	<0.05	0.03	0.07	0.021	0.07	6.8	9.7	0.12	319	0.75	0.01
CC160396		4.01	21.3	3.56	0.87	<0.05	0.04	0.32	0.034	0.06	2.4	2.8	0.06	252	0.78	0.01
CC160397		1.33	20.7	3.66	2.58	<0.05	0.04	0.20	0.039	0.07	5.8	8.4	0.17	632	0.63	0.01
CC160296		1.31	40.9	3.90	3.28	<0.05	0.06	0.18	0.046	0.09	6.0	11.6	0.32	1030	0.65	0.01
CC160297		1.69	60.0	3.91	3.25	<0.05	0.06	0.27	0.043	0.10	5.6	11.8	0.33	948	0.60	0.02
CC160298		2.42	40.9	3.11	4.41	<0.05	0.06	0.09	0.037	0.11	4.7	16.8	0.40	711	0.50	0.02
CC160299		3.13	48.3	4.09	7.14	<0.05	0.04	0.02	0.042	0.12	5.0	18.9	0.39	326	0.52	0.01
CC160300		1.86	18.4	4.25	6.24	<0.05	0.03	0.03	0.036	0.09	4.9	19.0	0.42	507	0.57	0.01
CC160037		1.05	32.7	4.17	5.51	<0.05	0.08	0.15	0.042	0.12	6.2	26.1	0.48	900	0.73	0.01
CC160038		1.34	28.4	3.75	4.68	<0.05	0.07	0.26	0.036	0.12	6.4	22.2	0.62	756	1.10	0.01
CC160039		1.52	33.5	3.92	4.79	0.05	0.07	0.12	0.037	0.11	8.3	22.6	0.47	907	0.54	0.01
CC160040		1.15	20.4	3.82	5.01	<0.05	0.05	0.06	0.030	0.07	6.9	23.5	0.42	346	0.56	0.01
CC160041		0.88	31.2	3.89	4.95	0.05	0.06	0.10	0.037	0.11	7.9	23.5	0.40	758	0.49	0.01
CC160042		1.88	35.0	4.11	4.67	0.05	0.08	0.13	0.039	0.11	7.4	21.3	0.42	834	0.50	0.02
CC160043		3.21	31.0	4.01	4.22	0.05	0.06	0.11	0.045	0.11	8.1	16.5	0.36	647	0.59	0.02
CC160044		2.62	26.3	3.05	2.58	<0.05	0.04	0.15	0.031	0.08	6.9	9.9	0.22	469	0.44	0.01
CC160045		0.86	10.8	3.10	3.99	<0.05	0.03	0.03	0.027	0.07	6.1	15.7	0.31	430	0.47	0.01
CC160046		4.11	18.5	3.26	4.21	0.05	0.07	0.17	0.032	0.07	12.0	18.0	0.46	475	0.68	0.02
CC160047		0.83	5.2	1.55	1.48	<0.05	0.07	2.09	0.009	0.02	5.6	4.1	8.93	2460	0.32	0.03
CC160048		1.03	10.0	3.15	3.72	<0.05	0.09	0.73	0.031	0.05	9.6	11.6	5.04	2710	0.62	0.02
CC160049		1.34	7.4	2.20	1.12	<0.05	0.07	9.60	0.009	0.02	5.3	1.8	8.82	2280	0.55	0.03
CC160050		1.30	12.3	2.77	3.72	<0.05	0.07	1.92	0.028	0.05	10.3	13.0	4.07	1260	0.79	0.02
CC160051		0.73	7.0	1.42	1.84	<0.05	0.04	1.67	0.013	0.03	5.6	7.1	8.53	2340	0.47	0.03
CC160052		1.58	26.6	4.05	4.12	<0.05	0.08	3.49	0.037	0.08	7.9	17.4	3.30	1940	0.50	0.02
CC160053		1.96	8.6	4.12	2.34	0.05	0.08	2.39	0.016	0.03	9.8	7.1	6.00	2990	0.51	0.02
CC160054		1.83	15.2	3.67	4.23	<0.05	0.06	0.88	0.035	0.07	11.0	13.8	1.09	1320	0.56	0.02
CC160055		1.74	20.9	3.35	3.03	<0.05	0.10	2.45	0.030	0.07	6.4	7.8	3.27	1300	0.46	0.02
CC160056		1.57	39.7	3.97	4.52	0.05	0.08	0.36	0.035	0.09	6.9	16.5	0.99	1080	0.51	0.02
CC160057		9.02	13.5	2.38	2.77	<0.05	0.03	0.71	0.027	0.06	6.5	7.5	0.24	647	0.37	0.02
CC160058		5.83	15.8	1.99	1.48	<0.05	0.03	1.40	0.022	0.05	7.8	3.6	0.52	511	0.32	0.02
CC160059		8.68	12.3	1.72	1.37	0.07	0.02	1.08	0.024	0.05	6.7	4.3	0.15	536	0.38	0.01
CC160060		2.59	22.2	3.02	4.00	0.09	0.04	0.23	0.033	0.06	8.3	18.3	0.35	713	0.58	0.02
CC160061		6.11	12.8	2.52	2.03	0.08	0.03	0.24	0.030	0.06	9.7	7.3	0.14	357	0.42	0.01
CC160062		1.99	30.0	3.43	2.69	0.09	0.04	0.19	0.037	0.08	6.3	10.2	0.23	526	0.63	0.01
CC160063		1.75	17.1	2.90	3.29	0.09	0.04	0.23	0.033	0.08	9.8	13.0	0.29	412	0.45	0.01
CC160064		7.80	15.1	1.72	1.62	0.06	0.04	0.58	0.020	0.06	7.8	7.9	0.11	821	0.32	0.01

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



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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC160391		0.81	11.5	100	14.8	14.2	<0.001	0.01	0.39	2.2	<0.2	0.7	6.4	<0.01	0.02	3.2
CC160392		0.91	21.6	140	24.4	12.3	<0.001	0.01	0.69	3.4	0.2	0.7	6.8	<0.01	0.04	3.6
CC160393		1.02	23.5	140	17.6	11.4	<0.001	0.01	0.47	3.1	0.2	0.7	11.4	<0.01	0.03	4.1
CC160394		0.92	31.2	650	16.9	9.2	<0.001	0.06	0.66	4.6	1.0	0.5	49.7	0.01	0.04	1.9
CC160395		0.41	10.8	160	20.0	13.4	<0.001	0.01	0.29	2.2	<0.2	0.6	18.8	<0.01	0.04	2.1
CC160396		0.15	35.3	230	30.2	7.7	<0.001	0.03	0.62	4.5	0.4	0.4	13.9	<0.01	0.03	2.6
CC160397		0.38	28.6	160	26.4	7.4	<0.001	0.02	0.38	5.0	0.5	0.6	26.5	<0.01	0.03	4.5
CC160296		0.66	26.8	480	29.5	10.9	<0.001	0.05	0.45	6.1	0.7	0.7	47.4	<0.01	0.05	3.1
CC160297		0.61	25.2	460	26.6	10.3	<0.001	0.06	0.50	6.4	0.7	0.7	70.3	<0.01	0.05	2.8
CC160298		0.47	22.2	470	22.1	14.1	<0.001	0.06	0.37	4.2	0.5	0.7	55.3	<0.01	0.05	1.6
CC160299		0.38	24.5	360	28.3	21.6	<0.001	0.03	0.24	4.7	0.3	0.8	21.2	<0.01	0.03	2.7
CC160300		0.51	21.0	220	19.5	14.8	<0.001	0.02	0.33	3.4	<0.2	0.7	13.0	<0.01	0.03	2.9
CC160037		0.62	29.8	280	23.8	11.6	<0.001	0.03	0.49	5.6	0.6	0.8	37.5	<0.01	0.04	3.7
CC160038		0.56	28.3	370	21.2	10.3	<0.001	0.03	0.61	5.2	0.6	0.7	35.7	<0.01	0.04	3.6
CC160039		0.90	31.1	280	21.4	10.8	<0.001	0.02	0.46	5.4	0.5	0.7	30.1	<0.01	0.03	4.3
CC160040		0.97	24.4	120	17.5	11.5	<0.001	0.01	0.45	3.2	<0.2	0.6	7.4	<0.01	0.02	3.8
CC160041		0.93	27.4	230	20.2	10.9	<0.001	0.03	0.39	5.5	0.4	0.7	24.1	<0.01	0.04	3.9
CC160042		0.76	35.4	280	24.7	11.0	<0.001	0.03	0.48	6.0	0.5	0.7	32.2	<0.01	0.04	4.3
CC160043		0.65	32.7	320	23.2	12.3	<0.001	0.04	0.44	6.3	0.7	0.7	34.5	<0.01	0.03	4.0
CC160044		0.45	19.7	250	22.3	7.3	<0.001	0.05	0.37	3.5	0.4	0.6	35.8	<0.01	0.03	2.5
CC160045		0.88	17.1	130	17.6	11.0	<0.001	0.02	0.30	2.4	<0.2	0.6	20.9	<0.01	0.02	2.8
CC160046		1.07	29.5	390	18.0	10.7	<0.001	0.03	0.67	4.8	0.5	0.6	30.9	<0.01	0.03	4.4
CC160047		0.23	9.8	610	103.0	4.5	<0.001	0.06	27.9	2.1	0.5	0.2	76.9	0.01	0.05	0.5
CC160048		0.55	18.8	370	124.0	12.2	<0.001	0.03	24.1	5.0	0.7	0.5	27.4	0.01	0.05	3.0
CC160049		0.17	28.4	870	377	4.1	<0.001	0.07	86.9	1.7	0.7	<0.2	80.9	0.01	0.04	0.5
CC160050		0.52	20.7	640	151.0	7.8	<0.001	0.06	63.3	3.8	0.9	0.4	35.1	0.01	0.06	1.7
CC160051		0.29	13.9	660	139.0	5.2	<0.001	0.05	54.7	1.7	0.5	0.2	69.1	<0.01	0.03	0.6
CC160052		0.59	32.0	340	199.0	9.9	<0.001	0.03	74.0	6.7	0.6	0.6	36.2	0.01	0.03	4.5
CC160053		0.29	17.6	980	68.4	4.6	<0.001	0.06	6.79	3.4	0.8	0.3	41.9	0.01	0.05	1.5
CC160054		0.66	22.3	340	54.9	12.2	<0.001	0.04	18.50	4.7	0.7	0.6	23.8	<0.01	0.05	2.8
CC160055		0.45	19.5	700	68.3	9.0	<0.001	0.05	16.70	5.1	0.7	0.5	28.0	<0.01	0.04	3.4
CC160056		0.84	28.3	460	28.8	9.0	<0.001	0.03	4.16	5.4	0.3	0.6	68.7	<0.01	0.03	4.9
CC160057		0.50	17.7	360	33.7	11.2	<0.001	0.07	1.18	2.9	0.4	0.4	42.1	<0.01	0.03	1.3
CC160058		0.28	19.5	400	50.4	5.9	<0.001	0.07	0.91	2.7	0.7	0.3	63.4	<0.01	0.04	1.1
CC160059		0.23	16.7	310	38.0	5.4	<0.001	0.06	0.67	2.9	0.6	0.3	35.3	<0.01	0.03	2.0
CC160060		0.83	24.9	440	19.3	10.6	<0.001	0.07	0.55	3.6	0.9	0.5	49.8	<0.01	0.05	1.4
CC160061		0.40	23.3	210	25.6	7.6	<0.001	0.04	0.38	3.9	0.5	0.4	26.9	<0.01	0.03	5.2
CC160062		0.50	31.9	410	25.9	7.7	<0.001	0.07	0.58	5.2	0.8	0.5	40.5	<0.01	0.06	2.6
CC160063		0.56	22.6	250	32.4	10.0	<0.001	0.04	0.59	4.5	0.7	0.5	40.6	<0.01	0.04	3.5
CC160064		0.26	25.6	470	14.7	18.7	0.001	0.08	0.43	2.7	1.3	0.3	85.0	<0.01	0.06	1.2

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



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160391		0.018	0.12	0.40	42	0.17	1.99	62	1.1
CC160392		0.011	0.15	0.50	37	0.13	2.60	74	2.5
CC160393		0.023	0.15	0.47	49	0.19	2.83	96	2.4
CC160394		0.018	0.14	1.35	34	0.18	11.75	80	1.3
CC160395		0.005	0.11	0.48	31	0.09	3.78	40	0.9
CC160396		<0.005	0.46	0.40	10	<0.05	5.60	160	1.4
CC160397		0.005	0.15	0.50	20	0.07	6.26	90	1.3
CC160296		0.012	0.07	1.83	30	0.22	7.34	75	1.4
CC160297		0.009	0.08	1.50	25	0.18	9.58	77	1.4
CC160298		0.006	0.07	1.24	23	0.11	7.82	82	1.3
CC160299		<0.005	0.10	0.81	31	0.06	7.24	79	0.9
CC160300		0.010	0.06	0.44	31	0.08	2.90	98	1.1
CC160037		0.007	0.12	0.89	30	0.10	7.25	80	1.9
CC160038		0.008	0.17	0.66	30	0.09	8.04	87	1.8
CC160039		0.014	0.11	0.69	28	0.11	8.55	80	2.1
CC160040		0.014	0.08	0.43	29	0.09	2.38	72	2.0
CC160041		0.012	0.08	0.86	28	0.12	8.00	77	1.7
CC160042		0.009	0.14	0.67	26	0.11	10.10	91	2.2
CC160043		0.008	0.16	0.73	24	0.10	10.10	152	1.5
CC160044		0.006	0.10	1.01	15	0.08	6.03	68	1.0
CC160045		0.016	0.07	0.48	27	0.09	2.07	59	1.1
CC160046		0.029	0.35	0.80	36	0.19	8.46	79	1.9
CC160047		0.006	1.17	1.85	14	0.12	14.40	250	1.5
CC160048		0.009	1.13	1.23	28	0.16	18.15	470	2.1
CC160049		<0.005	3.62	3.20	10	0.22	15.80	895	2.0
CC160050		0.013	0.64	1.02	34	0.17	13.25	628	1.6
CC160051		0.009	1.87	1.60	15	0.10	9.55	589	1.0
CC160052		0.008	1.97	0.99	24	0.16	13.90	472	2.1
CC160053		0.006	0.64	2.54	24	0.12	15.60	303	1.6
CC160054		0.011	0.52	1.11	32	0.15	10.80	488	1.4
CC160055		0.005	0.73	1.94	19	0.15	13.25	248	2.5
CC160056		0.019	0.26	0.58	24	0.10	7.21	130	2.9
CC160057		0.013	0.74	0.99	22	0.12	4.93	336	0.7
CC160058		0.007	0.63	0.91	15	0.12	7.73	63	0.9
CC160059		0.007	0.54	1.07	14	0.06	5.90	90	0.6
CC160060		0.015	0.21	1.59	27	0.21	8.88	68	0.9
CC160061		0.007	0.45	0.65	15	0.06	6.44	57	1.0
CC160062		0.006	0.17	0.71	17	0.08	9.72	94	1.1
CC160063		0.005	0.24	0.54	21	0.08	11.05	139	1.4
CC160064		<0.005	0.64	0.68	11	0.05	10.55	37	1.2



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160065		0.15	0.002	0.13	1.10	19.4	<0.2	<10	80	0.65	0.35	0.05	0.04	9.72	12.3	19
CC160066		0.12	<0.001	0.06	0.41	32.8	<0.2	<10	50	0.41	0.29	0.06	0.03	10.85	11.6	8
CC160067		0.18	<0.001	0.08	0.62	13.3	<0.2	<10	70	0.43	0.33	0.13	0.06	8.41	12.0	14
CC160068		0.14	0.001	0.07	1.57	13.6	<0.2	<10	160	0.58	0.23	0.17	0.06	21.9	9.1	26
CC160069		0.21	0.001	0.04	1.65	10.1	<0.2	<10	260	0.71	0.23	0.23	0.05	23.3	9.1	25
CC160070		0.26	0.001	0.07	1.70	22.4	<0.2	<10	330	1.57	0.41	0.44	0.05	21.3	20.5	29
CC160071		0.19	0.002	0.10	1.85	14.5	<0.2	<10	300	1.49	0.39	0.89	0.11	20.5	15.0	30
CC160072		0.20	0.001	0.07	1.81	13.0	<0.2	<10	210	1.45	0.39	0.52	0.09	19.70	17.7	32
CC160073		0.15	0.002	0.11	1.56	18.4	<0.2	<10	220	1.38	0.36	0.75	0.13	18.40	16.7	29
CC160074		0.26	0.002	0.09	1.72	13.0	<0.2	<10	240	1.36	0.34	1.04	0.15	16.60	14.0	28
CC160075		0.18	0.003	0.07	1.55	22.2	<0.2	<10	210	1.27	0.35	0.72	0.13	19.70	16.8	29
CC160076		0.20	0.001	0.04	1.43	25.8	<0.2	<10	280	1.17	0.38	0.69	0.08	15.60	15.7	27
CC160077		0.14	<0.001	0.09	1.66	12.9	<0.2	<10	220	1.31	0.36	0.73	0.11	21.0	17.4	27
CC160078		0.19	0.001	0.05	1.70	12.7	<0.2	<10	260	1.37	0.37	0.42	0.09	22.6	18.0	30
CC160079		0.18	0.001	0.06	1.80	12.3	<0.2	<10	250	1.38	0.39	0.69	0.12	23.7	18.0	31
CC160080		0.20	0.001	0.05	1.74	12.9	<0.2	<10	230	1.28	0.37	0.61	0.10	19.90	17.4	29
CC160081		0.20	0.002	0.06	1.76	11.7	<0.2	<10	180	1.20	0.37	0.39	0.11	18.15	12.9	30
CC160082		0.22	0.002	0.07	1.73	12.8	<0.2	<10	230	1.34	0.38	0.94	0.13	20.5	17.9	29
CC160083		0.17	0.002	0.20	1.64	17.2	<0.2	<10	260	1.42	0.36	0.41	0.21	17.90	16.6	27
CC160084		0.15	0.002	0.20	0.29	57	<0.2	<10	130	0.83	0.11	12.35	0.31	5.74	7.5	22
CC160085		0.19	0.001	0.08	1.00	247	<0.2	<10	230	0.84	0.47	0.12	0.19	13.80	14.4	19
CC160086		0.27	<0.001	0.02	1.95	17.5	<0.2	<10	200	1.10	0.35	0.09	0.04	17.45	12.1	29
CC160087		0.15	0.001	0.16	1.52	102.0	<0.2	<10	220	1.11	0.18	8.19	0.21	20.3	9.9	21
CC160088		0.18	0.001	0.09	2.23	22.8	<0.2	<10	250	1.67	0.37	0.16	0.05	34.6	15.6	31
CC160089		0.20	0.001	0.03	1.52	20.4	<0.2	<10	220	1.09	0.36	0.16	0.03	21.3	14.3	26
CC160090		0.13	0.001	0.13	1.38	16.0	<0.2	<10	330	1.11	0.29	1.16	0.12	23.7	14.1	24
CC160091		0.17	0.001	0.21	1.49	21.1	<0.2	<10	300	1.65	0.34	0.74	0.07	20.0	14.1	26
CC160092		0.19	0.001	0.13	0.57	15.6	<0.2	<10	110	0.92	0.34	0.21	0.05	8.52	12.1	11
CC160093		0.19	<0.001	0.05	1.50	19.7	<0.2	<10	250	1.12	0.34	0.22	0.04	15.50	13.0	26
CC160094		0.20	0.001	0.09	1.42	17.3	<0.2	<10	240	0.88	0.31	0.35	0.12	19.45	11.0	25
CC160095		0.15	0.001	0.10	1.16	27.9	<0.2	<10	190	0.89	0.30	0.32	0.09	13.75	12.8	23
CC160096		0.22	<0.001	0.07	1.44	26.0	<0.2	<10	230	1.32	0.33	0.66	0.05	16.25	14.9	27

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



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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC160065		1.90	25.8	4.37	3.80	0.08	0.03	0.06	0.038	0.06	4.3	16.0	0.22	345	0.88	0.01
CC160066		5.28	23.7	3.84	1.94	0.08	<0.02	0.02	0.028	0.07	5.3	2.7	0.05	143	1.13	0.01
CC160067		3.32	23.6	3.89	3.22	0.08	<0.02	0.02	0.036	0.08	3.9	5.6	0.11	529	0.89	0.01
CC160068		3.13	9.9	3.23	5.22	0.09	0.04	0.07	0.029	0.06	10.2	27.3	0.47	338	0.68	0.01
CC160069		11.20	9.3	2.94	5.01	0.09	0.05	0.08	0.033	0.06	10.8	21.6	0.40	241	0.54	0.01
CC160070		1.12	44.9	4.59	5.60	0.13	0.07	0.27	0.045	0.11	9.7	21.2	0.47	1580	0.64	0.01
CC160071		2.04	34.2	3.91	6.16	0.12	0.08	0.25	0.039	0.13	10.2	23.7	0.50	753	0.62	0.02
CC160072		1.38	29.6	4.27	6.52	0.12	0.07	0.18	0.041	0.12	7.5	25.8	0.52	904	0.73	0.02
CC160073		1.87	29.4	3.92	5.55	0.13	0.06	0.40	0.038	0.11	8.3	25.7	0.44	873	1.73	0.01
CC160074		1.20	31.8	3.84	5.81	0.11	0.08	0.17	0.037	0.16	7.6	26.2	0.46	598	1.20	0.02
CC160075		1.22	26.6	3.79	5.40	0.11	0.07	0.20	0.036	0.11	7.8	23.9	0.47	1010	0.81	0.01
CC160076		0.91	41.8	4.04	4.92	0.10	0.06	0.14	0.042	0.09	5.6	18.2	0.39	1000	0.72	0.01
CC160077		1.16	30.8	3.85	5.90	0.11	0.07	0.13	0.038	0.14	7.8	25.1	0.47	719	0.63	0.02
CC160078		1.14	27.7	4.13	6.08	0.11	0.06	0.12	0.036	0.13	7.8	26.3	0.48	964	0.72	0.02
CC160079		1.13	29.0	4.14	6.40	0.12	0.08	0.12	0.039	0.14	8.4	29.4	0.51	967	0.81	0.02
CC160080		1.07	28.1	4.06	6.17	0.10	0.07	0.12	0.037	0.12	7.5	30.0	0.50	805	0.83	0.02
CC160081		1.28	22.3	4.13	6.26	0.10	0.07	0.08	0.038	0.13	8.0	30.3	0.54	398	0.67	0.01
CC160082		2.01	32.2	4.12	6.04	0.11	0.07	0.13	0.039	0.15	7.6	28.0	0.63	921	1.47	0.02
CC160083		3.04	35.1	4.07	5.61	0.10	0.05	0.64	0.043	0.11	7.1	25.8	0.44	644	1.59	0.02
CC160084		4.95	16.1	3.13	0.78	0.07	0.04	2.91	0.025	0.03	3.1	3.0	6.87	827	3.27	0.02
CC160085		29.0	24.2	3.99	4.46	0.10	0.03	1.45	0.046	0.09	5.8	15.3	0.22	632	2.64	0.01
CC160086		1.31	33.0	4.08	5.92	0.10	0.03	1.70	0.041	0.05	8.1	23.9	0.41	444	0.61	0.01
CC160087		3.73	9.3	3.02	4.12	0.09	0.06	7.65	0.031	0.04	12.9	13.5	4.92	953	0.65	0.02
CC160088		2.37	27.5	4.59	5.30	0.11	0.05	0.22	0.050	0.07	10.9	20.1	0.30	736	1.04	0.01
CC160089		1.41	34.4	4.01	5.28	0.11	0.03	0.26	0.039	0.07	9.5	18.8	0.34	851	0.68	0.01
CC160090		1.26	26.5	3.28	4.48	0.09	0.04	0.18	0.039	0.09	10.3	22.1	0.37	899	0.66	0.02
CC160091		3.80	35.3	3.94	4.71	0.11	0.06	0.20	0.046	0.10	8.8	32.3	0.36	613	0.65	0.02
CC160092		2.12	30.4	4.82	1.51	0.09	0.02	0.05	0.039	0.09	3.4	5.8	0.08	267	1.11	0.01
CC160093		1.65	23.1	4.02	4.83	0.09	0.03	0.13	0.036	0.08	7.7	23.7	0.34	582	0.75	0.01
CC160094		1.35	15.1	3.49	4.83	0.10	0.05	0.08	0.036	0.09	8.5	23.2	0.35	668	0.60	0.01
CC160095		1.20	31.8	3.98	3.67	<0.05	0.05	0.23	0.038	0.06	5.6	13.1	0.28	685	0.75	0.01
CC160096		1.42	25.2	4.11	4.74	<0.05	0.05	0.18	0.041	0.10	6.2	17.4	0.37	924	0.66	0.01

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 Finalized Date: 28- JUL- 2012  
 Account: MTT

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**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160065		0.53	27.8	130	27.7	12.0	<0.001	0.02	0.49	3.2	0.4	0.6	9.6	<0.01	0.05	3.4
CC160066		0.44	29.0	160	21.8	13.6	<0.001	0.03	0.89	2.2	0.3	0.4	7.9	<0.01	0.06	2.4
CC160067		0.60	19.6	280	18.4	15.6	<0.001	0.02	0.42	3.1	0.2	0.5	13.4	<0.01	0.05	2.4
CC160068		0.93	23.7	160	24.4	15.0	<0.001	0.02	0.48	2.8	0.2	0.6	11.9	<0.01	0.03	4.1
CC160069		0.89	23.2	130	16.5	15.8	<0.001	0.02	0.46	3.5	0.4	0.6	14.2	<0.01	0.02	4.3
CC160070		0.79	33.7	330	31.8	10.4	<0.001	0.03	0.50	7.8	0.7	0.8	22.7	<0.01	0.05	6.0
CC160071		0.81	32.4	410	23.7	13.6	<0.001	0.04	0.55	6.7	0.9	0.9	36.7	<0.01	0.05	5.0
CC160072		0.98	32.3	250	25.5	12.3	<0.001	0.03	0.46	6.3	0.6	0.9	25.6	<0.01	0.04	5.8
CC160073		0.68	34.9	260	25.1	12.0	<0.001	0.04	0.64	6.1	1.0	0.8	35.1	<0.01	0.06	4.1
CC160074		0.57	29.9	440	21.0	13.1	<0.001	0.06	0.44	6.3	1.0	0.8	44.3	<0.01	0.05	3.7
CC160075		0.74	28.6	260	24.3	10.7	<0.001	0.04	0.44	5.5	0.6	0.8	34.4	<0.01	0.05	4.3
CC160076		1.02	24.8	140	26.3	10.2	<0.001	0.03	0.41	5.4	0.5	0.7	31.8	<0.01	0.05	4.6
CC160077		0.67	30.3	330	23.8	12.4	<0.001	0.04	0.45	5.9	0.8	0.8	32.6	<0.01	0.05	4.4
CC160078		0.64	32.5	140	24.5	12.4	<0.001	0.03	0.47	5.9	0.7	0.8	22.6	<0.01	0.05	5.8
CC160079		0.70	32.2	280	25.0	12.7	<0.001	0.04	0.43	6.6	0.8	0.8	33.2	<0.01	0.05	5.2
CC160080		0.61	31.4	180	24.5	11.9	<0.001	0.03	0.39	5.6	0.6	0.8	30.9	<0.01	0.04	5.0
CC160081		0.64	29.1	350	20.0	13.2	<0.001	0.04	0.33	5.3	0.7	0.8	24.7	<0.01	0.04	5.5
CC160082		0.63	32.6	440	25.5	13.4	<0.001	0.05	0.50	5.9	0.8	0.8	47.1	<0.01	0.05	4.8
CC160083		0.60	42.8	220	24.5	12.6	<0.001	0.03	0.70	7.1	0.8	0.8	31.5	<0.01	0.05	4.6
CC160084		0.18	38.2	560	14.6	3.9	<0.001	0.05	2.55	5.2	1.0	0.2	201	0.01	0.05	1.4
CC160085		0.64	28.1	380	20.4	13.1	<0.001	0.04	1.90	5.0	0.4	0.7	23.7	<0.01	0.07	3.8
CC160086		0.63	23.8	100	22.4	13.4	<0.001	0.02	0.38	4.3	0.3	0.8	7.9	<0.01	0.04	4.8
CC160087		0.63	29.7	610	47.5	8.4	<0.001	0.04	42.4	5.8	0.8	0.5	63.9	<0.01	0.04	2.7
CC160088		0.68	35.3	310	28.5	13.7	<0.001	0.02	0.63	5.4	0.6	0.8	14.5	0.01	0.05	6.3
CC160089		0.72	24.5	130	26.3	10.9	<0.001	0.02	0.59	5.0	0.5	0.8	12.9	<0.01	0.04	5.3
CC160090		1.18	29.3	340	19.8	10.8	<0.001	0.05	0.53	5.5	0.8	0.7	39.3	<0.01	0.05	3.5
CC160091		1.05	36.9	220	22.7	18.0	<0.001	0.05	0.53	6.2	0.8	0.8	26.1	<0.01	0.05	4.6
CC160092		0.21	37.4	180	32.2	8.7	<0.001	0.03	0.44	5.2	0.6	0.5	16.4	<0.01	0.05	4.0
CC160093		0.81	25.8	170	20.2	15.1	<0.001	0.03	0.47	4.7	0.5	0.7	13.1	<0.01	0.05	4.3
CC160094		1.10	22.4	170	18.9	14.4	<0.001	0.03	0.38	3.8	0.3	0.7	18.8	<0.01	0.04	4.4
CC160095		0.84	22.7	210	24.9	8.7	<0.001	0.01	0.68	4.7	0.2	0.6	14.2	<0.01	0.05	3.7
CC160096		0.80	26.4	210	24.5	11.0	<0.001	0.02	0.40	5.4	0.4	0.8	22.3	<0.01	0.05	3.8



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12163463**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160065		0.007	0.20	0.42	24	0.08	2.57	94	1.7
CC160066		0.008	0.17	0.31	18	0.06	2.01	78	0.6
CC160067		0.009	0.13	0.34	22	0.08	2.04	100	0.5
CC160068		0.020	0.15	0.51	35	0.17	2.90	75	1.8
CC160069		0.014	0.21	0.66	33	0.24	5.01	90	2.0
CC160070		0.010	0.10	1.02	30	0.15	11.60	82	2.3
CC160071		0.009	0.19	1.18	31	0.14	12.05	83	2.5
CC160072		0.011	0.17	0.79	31	0.14	7.64	82	2.6
CC160073		0.007	0.39	0.69	34	0.17	10.75	93	1.8
CC160074		0.006	0.13	1.25	28	0.09	9.79	102	2.3
CC160075		0.010	0.10	0.82	28	0.13	7.66	80	1.8
CC160076		0.013	0.08	0.70	28	0.14	4.88	69	2.0
CC160077		0.008	0.11	0.95	29	0.11	8.72	84	2.0
CC160078		0.009	0.12	0.81	31	0.11	7.59	84	2.3
CC160079		0.009	0.11	1.31	31	0.11	9.53	85	2.4
CC160080		0.008	0.11	0.93	29	0.09	7.10	79	2.3
CC160081		0.011	0.11	1.14	30	0.08	7.16	101	2.3
CC160082		0.008	0.24	0.84	28	0.10	8.25	97	2.1
CC160083		0.007	0.32	0.65	39	0.09	10.65	129	1.9
CC160084		<0.005	0.97	0.85	98	0.20	23.2	206	0.8
CC160085		0.010	1.94	0.64	29	0.17	6.70	181	1.2
CC160086		0.011	0.12	0.66	34	0.13	4.35	67	1.6
CC160087		0.010	0.39	1.49	33	0.16	14.15	261	1.5
CC160088		0.008	0.25	1.09	37	0.14	7.08	95	2.1
CC160089		0.013	0.15	0.69	33	0.14	5.98	78	1.3
CC160090		0.017	0.15	0.94	31	0.17	9.08	84	1.2
CC160091		0.011	0.18	0.71	29	0.17	11.65	77	1.8
CC160092		<0.005	0.32	0.51	15	0.05	5.64	95	0.9
CC160093		0.012	0.13	0.71	29	0.15	6.40	70	0.8
CC160094		0.017	0.12	0.66	33	0.14	3.99	79	1.9
CC160095		0.012	0.10	0.68	27	0.12	4.43	83	1.6
CC160096		0.011	0.10	0.84	29	0.13	5.71	67	1.3



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**CERTIFICATE OF ANALYSIS WH12163463**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12163464**

Project: Crag East 3  
 P.O. No.:  
 This report is for 209 Soil samples submitted to our lab in Whitehorse, YT, Canada on 13- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

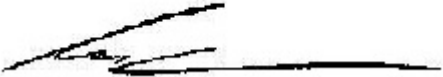
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

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

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS	WH12163464
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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC160481		0.21	0.002	0.17	0.95	191.5	<0.2	<10	560	0.75	0.21	3.32	0.99	16.15	15.5	16
CC160482		0.31	0.003	0.23	1.14	120.0	<0.2	<10	320	1.04	0.27	0.76	0.57	19.65	12.9	22
CC160483		0.35	0.003	0.25	1.09	122.5	<0.2	<10	440	0.94	0.25	2.74	1.03	18.45	15.5	20
CC160484		0.27	0.002	0.20	1.22	231	<0.2	<10	290	1.08	0.27	0.39	0.63	19.20	11.8	24
CC160485		0.32	0.002	0.23	1.42	443	<0.2	<10	410	1.19	0.25	0.97	0.99	21.1	12.4	26
CC160486		0.26	0.003	0.28	1.38	31.3	<0.2	<10	300	0.93	0.24	0.49	0.43	19.55	11.9	25
CC160487		0.30	0.003	0.35	1.28	53.6	<0.2	<10	430	0.93	0.25	0.66	0.92	19.60	15.9	23
CC160488		0.31	0.003	0.21	1.49	125.5	<0.2	<10	470	0.92	0.23	0.83	0.74	22.7	14.0	24
CC160489		0.14	0.003	0.23	1.16	648	<0.2	10	730	0.79	0.17	2.10	1.86	13.50	15.6	19
CC160490		0.37	0.005	0.23	1.56	1145	<0.2	<10	440	1.07	0.24	0.66	0.61	21.9	14.0	25
CC160491		0.14	0.003	0.23	1.21	1180	<0.2	<10	340	0.91	0.23	1.55	0.73	16.80	11.1	20
CC160492		0.28	0.003	0.26	1.82	987	<0.2	<10	400	1.11	0.26	0.55	0.54	24.8	11.2	31
CC160493		0.12	0.003	0.18	1.28	156.5	<0.2	<10	440	1.00	0.23	1.27	0.62	13.85	11.1	18
CC160494		0.39	0.003	0.26	1.37	26.1	<0.2	<10	370	1.19	0.30	0.70	0.66	24.0	12.7	22
CC160495		0.10	0.006	0.14	0.66	1740	<0.2	<10	320	0.82	0.18	1.25	1.10	7.31	8.7	11
CC160496		0.25	0.001	0.09	1.05	106.5	<0.2	<10	190	0.59	0.28	0.41	0.39	19.05	8.2	17
CC160497		0.25	0.002	0.20	0.92	63.9	<0.2	<10	260	0.93	0.28	1.48	0.74	19.85	12.7	17
CC160498		0.30	0.003	0.19	0.91	75.9	<0.2	<10	290	0.97	0.28	0.76	0.60	20.5	12.2	17
CC160499		0.29	0.003	0.17	0.85	55.0	<0.2	<10	220	0.92	0.26	1.33	0.60	19.75	10.7	15
CC160500		0.17	0.002	0.16	0.88	42.3	<0.2	<10	240	0.84	0.26	1.04	0.43	16.05	8.5	15
CC160151		0.40	0.004	0.22	1.01	62.7	<0.2	<10	340	0.85	0.27	2.05	0.70	17.90	12.5	17
CC160152		0.15	0.002	0.19	0.90	45.6	<0.2	<10	280	0.72	0.23	1.25	0.41	14.85	7.9	14
CC160153		0.23	0.002	0.32	1.36	27.5	<0.2	<10	720	0.93	0.26	1.23	1.45	20.1	9.3	22
CC160154		0.37	0.002	0.21	1.09	37.0	<0.2	<10	320	0.99	0.29	0.90	0.62	21.2	12.0	20
CC160155		0.31	0.003	0.24	1.13	40.0	<0.2	<10	380	1.03	0.29	0.53	0.60	19.80	13.0	20
CC160156		0.24	0.002	0.24	1.07	39.2	<0.2	<10	380	0.95	0.27	1.33	0.80	18.45	12.5	18
CC160157		0.17	0.002	0.22	1.07	33.5	<0.2	<10	610	0.97	0.24	1.51	1.53	16.30	11.2	17
CC160158		0.37	0.003	0.26	1.10	39.1	<0.2	<10	330	1.03	0.26	0.96	0.55	23.0	11.5	21
CC160159		0.30	0.005	0.22	0.92	45.5	<0.2	<10	210	0.86	0.26	1.40	0.67	17.30	11.8	17
CC160160		0.27	0.002	0.18	0.85	46.9	<0.2	<10	210	0.82	0.24	1.76	0.60	17.05	10.6	15
CC160161		0.30	0.003	0.21	0.92	56.4	<0.2	<10	420	0.89	0.28	2.22	0.80	18.85	14.0	17
CC160162		0.28	0.002	0.16	0.78	46.7	<0.2	<10	190	0.81	0.23	2.64	0.64	19.25	12.1	14
CC160163		0.25	0.002	0.16	0.87	48.7	<0.2	<10	290	0.80	0.25	0.96	0.53	16.95	10.8	16
CC160164		0.14	0.003	0.17	0.91	46.7	<0.2	<10	380	0.78	0.23	1.39	0.60	14.30	8.9	15
CC160165		0.26	0.002	0.18	0.88	70.0	<0.2	<10	230	1.05	0.27	0.23	0.47	18.05	11.5	17
CC160166		0.24	0.001	0.05	1.14	97.6	<0.2	<10	100	0.73	0.35	0.07	0.49	16.55	14.3	21
CC160167		0.29	0.002	0.19	1.12	39.3	<0.2	<10	330	1.08	0.27	0.37	0.39	26.7	12.4	22
ZZ03851		0.18	0.002	0.13	1.29	45.8	<0.2	<10	490	0.87	0.30	0.57	0.35	20.3	13.1	21
ZZ03852		0.21	0.003	0.21	1.77	114.5	<0.2	<10	320	1.87	0.33	0.23	1.83	30.0	19.7	23
ZZ03853		0.23	0.004	0.12	1.15	118.5	<0.2	<10	380	0.86	0.27	0.44	0.35	18.50	10.7	19



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC160481		2.44	25.7	4.58	3.00	0.06	0.04	4.16	0.027	0.10	7.2	15.6	1.81	4320	2.50	0.01
CC160482		1.09	33.9	4.28	3.83	0.10	0.09	3.51	0.039	0.11	8.5	23.0	0.44	508	2.83	<0.01
CC160483		1.39	36.4	4.35	3.45	0.10	0.10	1.14	0.039	0.12	7.9	18.0	1.39	762	2.19	0.01
CC160484		2.98	36.4	3.27	4.00	0.09	0.10	2.54	0.038	0.09	8.3	25.2	0.38	176	1.75	<0.01
CC160485		2.84	46.8	2.59	4.57	0.09	0.10	0.57	0.038	0.09	9.3	29.8	0.64	157	0.99	0.01
CC160486		0.92	28.5	2.82	4.52	0.09	0.09	0.59	0.038	0.11	8.4	32.4	0.48	164	1.43	<0.01
CC160487		1.31	44.6	3.84	3.89	0.10	0.10	0.76	0.039	0.11	8.5	20.7	0.45	923	2.68	0.01
CC160488		0.74	29.7	4.25	4.35	0.11	0.11	0.65	0.038	0.08	9.8	30.0	0.52	264	1.95	0.01
CC160489		0.75	36.7	3.30	3.43	0.09	0.10	0.38	0.029	0.09	6.2	19.9	0.52	6310	1.66	0.02
CC160490		1.10	36.9	2.85	4.76	0.09	0.11	0.84	0.041	0.07	9.4	32.3	0.49	255	0.68	<0.01
CC160491		1.78	29.9	3.19	3.57	0.09	0.09	0.70	0.035	0.09	7.3	21.3	0.41	1080	0.64	<0.01
CC160492		1.75	41.2	3.66	5.36	0.11	0.08	0.72	0.040	0.08	11.2	30.6	0.56	249	0.92	<0.01
CC160493		0.92	33.8	8.80	3.59	0.05	0.07	0.31	0.031	0.09	6.0	13.5	0.26	694	3.21	0.01
CC160494		1.12	37.7	3.47	4.17	0.05	0.06	0.40	0.041	0.10	12.0	20.4	0.49	439	1.76	0.01
CC160495		3.45	33.3	1.81	1.52	<0.05	0.07	0.37	0.019	0.06	3.5	4.4	0.11	116	1.59	0.01
CC160496		1.88	16.7	3.04	4.08	<0.05	0.02	1.87	0.029	0.06	8.2	15.2	0.21	529	1.10	0.01
CC160497		3.95	40.1	3.02	2.95	<0.05	0.04	1.15	0.036	0.09	8.7	14.5	0.72	487	1.01	0.01
CC160498		1.26	32.2	3.55	2.84	0.05	0.05	1.11	0.034	0.07	10.7	13.7	0.45	607	1.18	0.01
CC160499		4.97	26.8	2.89	2.67	0.05	0.05	1.11	0.032	0.08	8.9	12.9	0.71	428	0.85	0.01
CC160500		1.65	25.7	2.69	2.66	<0.05	0.04	1.55	0.028	0.07	7.2	11.0	0.25	453	0.81	0.01
CC160151		1.63	43.6	3.88	3.18	0.09	0.07	1.05	0.039	0.10	8.3	16.0	1.21	662	1.63	0.01
CC160152		1.85	26.0	2.90	2.63	0.05	0.07	0.93	0.031	0.08	6.5	10.9	0.27	282	0.90	<0.01
CC160153		1.66	41.9	2.47	4.09	0.08	0.09	0.74	0.035	0.11	8.5	25.0	0.51	101	1.01	0.01
CC160154		1.23	37.8	3.53	3.51	0.05	0.06	0.80	0.034	0.10	10.5	15.3	0.57	599	1.50	0.01
CC160155		0.94	37.4	3.35	3.60	0.05	0.06	0.68	0.033	0.08	9.4	16.0	0.34	493	1.94	<0.01
CC160156		0.97	37.7	3.24	3.38	<0.05	0.05	0.69	0.036	0.09	8.7	15.2	0.60	622	1.72	0.01
CC160157		0.73	35.5	2.74	3.28	<0.05	0.04	1.01	0.033	0.07	7.6	13.5	0.32	463	1.31	0.01
CC160158		1.06	33.1	3.12	3.56	0.05	0.05	1.25	0.035	0.08	11.8	16.0	0.62	457	1.47	<0.01
CC160159		1.38	39.0	3.06	2.91	<0.05	0.05	1.23	0.032	0.09	8.0	13.3	0.72	478	1.46	0.01
CC160160		1.31	32.0	2.99	2.71	<0.05	0.05	0.84	0.029	0.08	8.3	11.4	0.77	512	1.27	<0.01
CC160161		1.64	41.7	3.29	3.04	<0.05	0.05	1.08	0.034	0.10	8.6	13.7	1.00	760	1.83	0.01
CC160162		3.55	26.2	2.84	2.59	0.05	0.06	0.92	0.032	0.08	8.6	11.9	1.43	566	0.98	0.01
CC160163		2.58	28.3	2.92	2.92	<0.05	0.05	0.85	0.032	0.08	8.6	12.7	0.42	519	0.97	<0.01
CC160164		2.00	25.5	2.69	2.83	<0.05	0.03	0.68	0.028	0.06	6.7	13.0	0.31	506	0.98	0.01
CC160165		1.17	32.8	3.55	2.56	<0.05	0.04	0.99	0.036	0.06	9.2	12.4	0.21	533	1.33	<0.01
CC160166		3.54	34.2	5.19	3.68	<0.05	<0.02	0.63	0.046	0.06	6.0	13.1	0.17	1010	1.64	<0.01
CC160167		5.72	35.3	3.23	3.78	0.05	0.05	0.75	0.034	0.07	13.6	18.4	0.37	376	1.09	0.01
ZZ03851		1.08	20.3	3.17	4.70	<0.05	0.03	0.46	0.036	0.07	9.3	18.4	0.33	439	1.21	0.01
ZZ03852		1.84	36.6	4.47	3.76	0.06	0.07	3.83	0.049	0.08	10.1	17.5	0.25	1280	1.53	<0.01
ZZ03853		1.15	22.8	3.11	3.69	<0.05	0.04	0.81	0.037	0.06	8.3	14.4	0.30	542	1.04	<0.01



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC160481		0.36	32.0	820	19.6	10.6	0.003	0.08	1.08	4.0	2.0	0.3	47.3	<0.01	0.04	2.7
CC160482		0.61	31.9	860	30.4	9.8	0.002	0.05	1.44	7.1	2.0	0.5	61.1	<0.01	0.06	3.5
CC160483		0.54	36.3	770	28.7	10.5	0.002	0.08	1.85	6.6	1.3	0.5	57.0	<0.01	0.06	3.8
CC160484		0.74	29.2	600	26.9	12.4	0.001	0.05	4.20	6.7	1.3	0.5	26.1	<0.01	0.05	4.3
CC160485		0.64	32.7	640	26.9	13.7	0.002	0.12	8.49	7.6	1.6	0.5	53.1	<0.01	0.04	3.9
CC160486		0.57	32.7	730	28.8	10.2	<0.001	0.12	0.59	7.1	0.9	0.5	33.5	<0.01	0.04	4.0
CC160487		0.48	43.5	810	26.6	9.3	0.001	0.04	1.20	6.7	1.2	0.5	38.2	0.01	0.07	2.9
CC160488		0.57	32.0	870	26.9	7.8	0.001	0.07	2.34	5.8	3.5	0.5	43.5	<0.01	0.06	3.0
CC160489		0.42	35.0	1050	15.0	11.1	0.007	0.23	19.15	3.7	3.9	0.4	79.0	<0.01	0.08	1.0
CC160490		0.57	31.4	680	36.4	10.3	0.001	0.07	49.7	7.3	2.5	0.5	36.3	<0.01	0.04	3.9
CC160491		0.49	26.5	760	23.9	14.0	0.004	0.16	30.3	4.9	2.6	0.4	78.0	<0.01	0.05	1.8
CC160492		0.72	30.1	740	21.1	9.4	0.001	0.04	33.9	7.2	3.3	0.6	37.0	<0.01	0.05	4.0
CC160493		0.39	22.7	1060	15.2	8.7	0.003	0.18	3.54	3.8	4.3	0.4	61.3	<0.01	0.07	1.8
CC160494		0.49	34.8	700	24.4	9.2	0.002	0.02	0.79	6.2	1.4	0.6	33.3	<0.01	0.06	4.6
CC160495		0.24	18.3	500	15.5	6.1	0.008	0.79	16.65	2.5	2.4	0.2	67.6	<0.01	0.03	1.3
CC160496		0.60	16.0	360	25.2	10.6	<0.001	0.02	1.05	2.9	0.4	0.5	28.3	<0.01	0.05	2.1
CC160497		0.37	28.8	650	28.4	10.0	0.001	0.04	1.59	5.3	1.1	0.4	44.4	<0.01	0.05	2.5
CC160498		0.37	27.4	510	29.7	6.6	<0.001	0.02	1.40	5.5	1.1	0.4	24.6	<0.01	0.05	3.2
CC160499		0.36	24.0	640	26.2	9.7	0.001	0.04	1.25	4.7	1.0	0.4	34.2	<0.01	0.04	2.8
CC160500		0.35	20.1	650	26.2	8.2	0.002	0.08	1.05	3.6	1.6	0.4	44.4	<0.01	0.02	1.5
CC160151		0.34	32.1	730	29.8	8.6	<0.001	<0.01	1.68	6.2	1.1	0.4	32.6	<0.01	0.05	4.2
CC160152		0.34	20.6	610	22.8	9.2	0.002	0.07	1.49	3.7	1.5	0.4	36.5	<0.01	0.05	1.7
CC160153		0.42	29.3	730	32.3	11.7	0.006	0.10	1.02	5.9	4.2	0.5	46.7	<0.01	0.04	3.0
CC160154		0.47	29.7	700	23.6	8.2	0.001	0.02	1.05	5.9	1.1	0.5	27.7	<0.01	0.04	4.4
CC160155		0.44	32.3	640	26.3	7.0	0.001	0.02	1.13	5.3	1.4	0.4	26.9	<0.01	0.05	3.7
CC160156		0.39	30.1	780	28.2	7.3	<0.001	0.04	1.05	4.9	1.2	0.4	38.4	<0.01	0.06	2.7
CC160157		0.35	30.3	680	22.7	7.2	<0.001	0.07	0.92	3.2	1.7	0.4	47.7	<0.01	0.04	1.0
CC160158		0.49	29.1	570	23.8	8.1	<0.001	0.02	1.12	6.1	1.1	0.5	28.0	<0.01	0.05	2.7
CC160159		0.37	28.3	660	27.3	7.9	0.002	0.03	1.07	4.8	1.3	0.4	37.3	<0.01	0.05	3.1
CC160160		0.37	25.1	650	26.6	7.4	0.002	0.05	3.45	4.5	1.3	0.4	38.7	<0.01	0.04	2.3
CC160161		0.35	31.7	620	30.1	7.4	0.001	0.02	1.27	5.6	1.0	0.4	42.5	<0.01	0.07	4.1
CC160162		0.35	27.6	600	26.6	9.2	0.001	0.03	1.08	4.8	1.0	0.4	39.1	<0.01	0.04	3.2
CC160163		0.36	21.4	670	22.1	9.7	0.001	0.04	0.99	4.1	0.8	0.4	33.0	<0.01	0.04	1.8
CC160164		0.41	18.7	760	21.4	9.3	<0.001	0.08	1.16	2.7	1.1	0.3	52.4	<0.01	0.05	0.8
CC160165		0.32	24.1	360	33.3	6.2	<0.001	0.01	1.76	5.7	1.1	0.4	16.0	<0.01	0.04	3.9
CC160166		0.48	22.3	570	66.6	14.5	<0.001	0.02	2.11	3.5	0.8	0.5	11.6	<0.01	0.07	2.2
CC160167		0.66	29.6	540	21.8	10.0	<0.001	0.02	1.06	5.5	1.0	0.5	27.2	<0.01	0.05	3.8
ZZ03851		0.62	21.3	390	26.4	9.8	0.001	0.02	0.92	3.9	0.5	0.6	24.2	<0.01	0.04	2.1
ZZ03852		0.49	39.5	660	60.1	10.8	<0.001	0.02	1.55	6.0	1.0	0.5	19.6	<0.01	0.06	4.6
ZZ03853		0.51	20.4	400	23.4	8.3	<0.001	0.01	0.88	4.1	0.6	0.4	20.9	<0.01	0.05	2.7

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



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC160481		0.006	0.17	1.04	36	0.06	9.11	139	1.5
CC160482		0.008	0.31	1.18	38	0.10	14.00	176	2.5
CC160483		0.006	0.33	1.16	40	0.07	13.30	167	3.2
CC160484		0.008	0.21	1.10	46	0.09	11.35	153	3.3
CC160485		0.005	0.20	2.09	47	0.08	14.05	163	3.5
CC160486		0.007	0.21	0.87	49	0.06	12.25	198	3.3
CC160487		0.006	0.31	1.24	52	0.07	13.05	184	2.9
CC160488		0.006	0.14	1.37	50	0.09	11.90	169	3.1
CC160489		0.006	0.14	3.35	36	0.06	9.54	157	2.6
CC160490		0.005	0.64	1.31	41	0.07	12.50	171	3.1
CC160491		0.005	0.35	2.05	36	0.06	10.80	143	2.5
CC160492		0.007	0.43	2.76	53	0.08	12.05	163	2.6
CC160493		<0.005	0.18	5.48	39	0.10	9.17	114	2.1
CC160494		0.009	0.20	1.14	44	0.12	14.80	131	2.3
CC160495		0.006	0.21	10.50	16	0.06	5.56	553	2.3
CC160496		0.011	0.32	0.72	40	0.14	4.75	112	0.5
CC160497		0.008	0.30	0.79	29	0.08	12.00	154	1.5
CC160498		0.009	0.24	0.91	30	0.08	14.55	144	1.5
CC160499		0.008	0.25	0.85	27	0.32	12.20	140	1.6
CC160500		0.007	0.18	2.33	27	0.07	10.40	130	1.4
CC160151		0.008	0.33	0.99	37	0.07	12.65	182	2.2
CC160152		0.006	0.20	1.61	28	0.08	9.54	157	1.6
CC160153		0.006	0.28	1.36	45	0.09	13.10	208	2.9
CC160154		0.012	0.22	0.99	38	0.08	12.85	140	2.2
CC160155		0.008	0.20	1.14	42	0.09	12.10	140	1.9
CC160156		0.007	0.22	1.43	38	0.07	12.30	139	1.6
CC160157		0.006	0.12	1.76	35	0.06	11.20	127	1.3
CC160158		0.012	0.19	1.01	36	0.10	16.60	119	1.4
CC160159		0.007	0.26	0.96	33	0.07	11.50	147	1.7
CC160160		0.008	0.23	1.42	30	0.12	12.15	144	1.6
CC160161		0.009	0.30	0.89	34	0.07	11.45	169	2.0
CC160162		0.007	0.23	0.77	27	0.06	11.25	135	1.8
CC160163		0.008	0.17	1.02	27	0.07	10.65	146	1.3
CC160164		0.009	0.18	1.94	28	0.07	8.46	128	1.0
CC160165		0.005	0.28	0.90	31	0.05	12.50	139	1.4
CC160166		0.005	0.34	0.71	38	0.07	4.81	176	0.5
CC160167		0.020	0.17	1.22	36	0.13	12.95	110	1.4
ZZ03851		0.013	0.17	1.02	42	0.12	6.10	95	1.0
ZZ03852		0.005	0.45	1.28	38	0.10	12.60	224	2.3
ZZ03853		0.010	0.24	0.87	34	0.10	6.67	116	0.9





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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03854		0.26	0.003	0.17	0.98	73.5	<0.2	<10	400	1.25	0.30	0.18	0.49	20.4	14.5	18
ZZ03855		0.23	0.002	0.18	0.85	55.4	<0.2	<10	340	0.85	0.29	0.74	0.68	18.90	9.8	16
ZZ03856		0.22	0.003	0.27	0.69	124.5	<0.2	<10	160	1.04	0.31	2.14	1.12	21.1	14.3	13
ZZ03857		0.23	0.003	0.22	0.74	161.5	<0.2	<10	220	0.92	0.29	1.71	0.82	18.75	12.4	14
ZZ03858		0.16	0.001	0.19	0.86	51.4	<0.2	<10	250	0.91	0.26	1.14	0.44	16.50	9.8	15
ZZ03859		0.25	0.002	0.17	0.92	44.6	<0.2	<10	220	0.92	0.25	0.81	0.54	18.35	12.2	16
ZZ03860		0.24	0.002	0.22	0.95	39.7	<0.2	<10	350	0.89	0.23	2.72	0.72	16.85	11.2	16
ZZ03861		0.14	0.001	0.16	0.96	31.1	<0.2	<10	390	0.79	0.23	1.14	0.89	17.20	13.7	16
ZZ03862		0.21	0.002	0.19	0.85	157.0	<0.2	<10	260	0.86	0.25	0.71	0.57	16.90	10.4	17
ZZ03863		0.13	0.001	0.18	0.60	23.0	<0.2	<10	580	0.60	0.13	3.74	0.66	8.63	5.4	10
ZZ03864		0.16	0.002	0.24	0.92	39.7	<0.2	<10	400	0.91	0.31	1.07	0.51	17.55	10.6	17
ZZ03865		0.24	0.001	0.04	1.13	29.0	<0.2	<10	260	0.51	0.27	0.12	0.39	16.40	12.1	20
ZZ03866		0.15	0.002	0.26	0.97	43.0	<0.2	<10	580	1.05	0.27	1.04	0.52	14.80	10.0	16
ZZ03867		0.23	0.002	0.20	1.13	32.7	<0.2	<10	660	0.90	0.24	0.91	0.53	17.90	11.7	20
ZZ03868		0.29	0.001	0.04	0.74	23.9	<0.2	<10	70	0.22	0.28	0.03	0.12	15.80	5.1	12
ZZ03869		0.21	0.001	0.12	1.30	47.3	<0.2	<10	70	0.43	0.34	0.03	0.12	9.31	7.2	21
ZZ03870		0.26	0.001	0.03	1.04	24.2	<0.2	<10	70	0.25	0.26	0.02	0.10	14.25	4.7	15
ZZ03871		0.19	0.002	0.05	1.69	11.3	<0.2	<10	150	0.53	0.26	0.07	0.18	23.8	7.2	24
ZZ03872		0.19	0.001	0.05	1.40	65.2	<0.2	<10	90	0.50	0.31	0.02	0.21	13.35	8.8	25
ZZ03873		0.23	0.002	0.10	1.34	46.9	<0.2	<10	220	1.03	0.33	0.20	0.42	18.30	17.9	24
ZZ03874		0.16	0.002	0.03	0.79	13.9	<0.2	<10	150	0.25	0.29	0.07	0.12	22.8	2.4	15
ZZ03875		0.22	0.001	0.05	0.82	30.6	<0.2	<10	50	0.23	0.29	0.01	0.13	18.40	4.1	13
ZZ03876		0.20	0.001	0.08	0.75	25.3	<0.2	<10	80	0.35	0.34	0.03	0.12	12.90	4.2	10
ZZ03877		0.20	0.006	0.17	2.31	16.7	<0.2	<10	380	1.08	0.27	0.15	0.14	35.7	11.1	32
ZZ03878		0.15	0.001	0.11	1.06	27.6	<0.2	<10	80	0.45	0.25	0.04	0.07	21.8	4.5	14
ZZ03879		0.21	0.001	0.05	1.30	43.5	<0.2	<10	170	0.75	0.29	0.04	0.27	15.10	10.9	23
ZZ03880		0.26	0.003	0.41	1.24	53.9	<0.2	<10	520	1.13	0.25	0.92	1.30	19.10	13.0	24
ZZ03881		0.16	0.002	0.27	1.11	135.5	<0.2	<10	570	0.76	0.25	0.99	0.64	19.00	10.0	19
ZZ03882		0.16	0.002	0.19	1.20	30.0	<0.2	<10	480	0.83	0.22	1.30	0.51	18.45	10.0	20
ZZ03883		0.27	0.001	0.05	1.53	32.6	<0.2	<10	300	1.03	0.29	0.23	0.40	19.25	13.9	24
ZZ03884		0.25	0.003	0.52	1.59	53.4	<0.2	<10	480	1.36	0.24	1.41	1.38	26.3	16.0	26
ZZ03885		0.30	0.003	0.28	1.32	79.7	<0.2	<10	270	1.20	0.28	0.31	1.08	23.9	11.5	25
ZZ03886		0.21	0.002	0.26	1.01	76.1	<0.2	<10	150	0.74	0.28	0.22	0.58	17.30	14.0	20
ZZ03887		0.24	0.002	0.20	0.84	23.5	<0.2	<10	210	0.80	0.57	0.83	0.37	8.97	13.3	14
ZZ03888		0.20	0.002	0.08	1.23	19.1	<0.2	<10	190	0.79	0.25	0.41	0.43	19.05	9.6	25
ZZ03889		0.24	0.001	0.03	0.57	21.3	<0.2	<10	60	0.26	0.27	0.03	0.10	12.65	4.9	11
ZZ03890		0.22	0.001	0.11	1.34	17.8	<0.2	<10	140	0.46	0.29	0.18	0.17	17.60	9.3	26
ZZ03891		0.24	0.001	0.06	0.81	29.9	<0.2	<10	130	0.37	0.31	0.07	0.11	13.05	8.2	12
ZZ03892		0.21	0.002	0.08	1.11	16.7	<0.2	<10	360	0.98	0.32	0.36	0.45	50.5	11.3	17
ZZ03893		0.15	0.003	0.32	0.86	16.7	<0.2	<10	400	1.20	0.26	4.03	0.40	41.7	11.1	12

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



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03854		0.89	41.6	3.83	3.07	0.06	0.06	1.27	0.037	0.07	12.3	13.4	0.27	647	1.18	<0.01
ZZ03855		1.24	32.9	3.09	3.11	<0.05	0.04	1.18	0.031	0.07	10.1	11.4	0.40	517	1.08	<0.01
ZZ03856		2.16	40.5	3.29	2.02	0.05	0.06	1.51	0.032	0.06	9.6	10.8	0.87	809	1.40	0.01
ZZ03857		2.32	26.6	3.37	2.38	<0.05	0.03	2.05	0.033	0.07	7.8	14.1	0.83	796	1.48	<0.01
ZZ03858		4.24	27.0	2.82	2.79	<0.05	0.05	0.99	0.030	0.07	8.1	12.0	0.30	509	0.79	<0.01
ZZ03859		1.30	28.8	2.92	2.96	<0.05	0.05	1.12	0.030	0.08	8.8	12.6	0.27	374	1.08	<0.01
ZZ03860		1.17	30.9	2.83	2.83	<0.05	0.04	1.62	0.031	0.09	8.4	11.2	1.03	700	1.03	0.01
ZZ03861		0.74	25.7	2.85	3.02	<0.05	0.04	1.13	0.031	0.07	6.8	13.1	0.29	762	1.25	0.01
ZZ03862		4.37	26.2	3.25	2.72	0.09	0.07	1.60	0.033	0.08	8.1	13.4	0.30	595	0.97	<0.01
ZZ03863		0.99	26.2	1.64	1.63	0.06	0.04	0.59	0.017	0.04	4.5	5.0	0.26	438	0.67	0.01
ZZ03864		3.32	34.2	3.41	2.99	0.10	0.07	0.66	0.037	0.07	8.8	15.8	0.18	657	1.20	<0.01
ZZ03865		1.19	16.2	3.65	4.51	0.08	0.03	0.17	0.035	0.06	7.4	20.2	0.26	484	1.54	<0.01
ZZ03866		4.21	32.9	3.05	3.03	0.09	0.07	1.31	0.038	0.08	9.1	17.9	0.25	431	0.92	0.01
ZZ03867		5.28	23.3	3.13	3.43	0.09	0.06	0.83	0.033	0.08	8.8	19.3	0.33	423	0.90	0.01
ZZ03868		2.61	13.3	2.59	5.01	0.06	<0.02	0.20	0.021	0.05	7.8	5.3	0.08	219	1.03	<0.01
ZZ03869		7.50	15.4	4.59	5.73	0.08	0.03	0.44	0.038	0.06	4.3	18.7	0.12	463	1.72	<0.01
ZZ03870		2.03	8.5	2.99	5.27	0.07	<0.02	0.09	0.021	0.04	6.9	8.3	0.12	266	1.17	<0.01
ZZ03871		2.19	7.2	2.76	6.01	0.08	0.04	0.06	0.028	0.06	11.7	25.1	0.30	311	1.34	<0.01
ZZ03872		4.25	20.7	4.81	4.81	0.10	0.07	1.49	0.047	0.06	6.2	22.5	0.24	315	1.50	<0.01
ZZ03873		1.35	35.0	4.46	4.13	0.10	0.04	1.16	0.047	0.07	7.8	26.0	0.32	892	1.81	<0.01
ZZ03874		5.68	6.1	1.47	6.95	0.07	<0.02	0.08	0.014	0.04	11.6	5.7	0.14	89	1.20	<0.01
ZZ03875		4.93	14.2	3.41	6.62	0.08	0.02	0.10	0.027	0.04	9.0	4.4	0.07	211	1.27	<0.01
ZZ03876		5.06	12.9	1.60	3.95	0.05	<0.02	0.07	0.018	0.04	6.4	4.2	0.04	86	0.74	<0.01
ZZ03877		2.71	13.2	3.29	6.50	0.11	0.08	0.19	0.040	0.05	16.5	22.5	0.46	283	1.08	<0.01
ZZ03878		3.58	8.9	2.58	6.15	0.08	0.03	0.24	0.018	0.03	11.0	11.5	0.15	160	1.02	<0.01
ZZ03879		1.64	22.1	4.12	4.34	0.09	0.04	0.60	0.042	0.07	5.9	21.7	0.25	548	1.40	<0.01
ZZ03880		1.31	41.3	3.52	3.77	0.11	0.09	0.72	0.038	0.11	9.7	19.2	0.52	569	3.41	0.01
ZZ03881		0.94	18.3	2.94	3.62	0.08	0.05	23.5	0.034	0.07	8.7	17.0	0.32	430	1.30	0.01
ZZ03882		0.82	20.6	2.89	3.78	0.08	0.05	0.77	0.034	0.07	8.6	17.8	0.34	658	1.06	0.01
ZZ03883		1.32	22.5	4.10	3.99	0.09	0.04	1.62	0.049	0.07	7.4	24.8	0.32	546	1.44	<0.01
ZZ03884		1.12	45.4	4.10	4.01	0.13	0.10	0.67	0.046	0.11	12.3	22.6	0.86	997	3.08	0.01
ZZ03885		1.08	33.8	3.97	3.98	0.12	0.08	0.73	0.043	0.10	10.9	23.7	0.36	545	2.15	<0.01
ZZ03886		1.16	29.5	3.99	3.17	0.09	0.05	2.97	0.038	0.07	7.0	15.8	0.30	722	2.06	<0.01
ZZ03887		5.80	21.8	3.48	2.54	0.08	0.06	0.21	0.032	0.08	4.3	15.5	0.26	735	1.13	<0.01
ZZ03888		8.62	32.1	2.78	5.07	0.08	0.03	0.11	0.030	0.07	9.4	27.9	0.38	311	1.30	<0.01
ZZ03889		2.20	14.0	2.15	4.19	0.05	<0.02	0.12	0.019	0.06	6.0	4.6	0.05	248	1.12	<0.01
ZZ03890		3.07	13.9	3.33	5.54	0.08	0.02	0.09	0.032	0.07	8.6	18.0	0.39	559	1.05	<0.01
ZZ03891		2.23	13.5	3.22	3.37	0.07	0.02	0.26	0.031	0.05	5.8	6.5	0.10	471	0.91	<0.01
ZZ03892		3.29	13.1	4.09	3.81	0.14	0.05	0.34	0.051	0.06	14.6	12.5	0.16	728	0.93	<0.01
ZZ03893		3.41	27.3	4.59	1.92	0.17	0.10	0.33	0.054	0.06	19.5	7.2	0.09	809	0.81	0.01

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 Account: MTT

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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03854		0.34	29.2	300	38.3	6.1	<0.001	0.01	1.63	7.3	1.1	0.4	13.1	<0.01	0.04	4.7
ZZ03855		0.39	23.4	490	30.8	8.5	<0.001	0.02	1.34	5.2	0.9	0.4	22.1	<0.01	0.06	2.9
ZZ03856		0.25	29.4	620	49.0	7.0	0.001	0.04	2.42	6.2	1.2	0.3	47.2	<0.01	0.04	3.3
ZZ03857		0.30	23.0	520	46.1	9.6	<0.001	0.03	2.93	4.6	1.0	0.4	36.1	<0.01	0.05	2.3
ZZ03858		0.35	21.0	620	25.6	11.4	0.001	0.07	1.18	3.8	1.6	0.4	50.2	<0.01	0.04	1.5
ZZ03859		0.37	24.3	530	26.8	7.9	0.001	0.04	0.98	4.3	1.3	0.4	31.6	<0.01	0.04	2.1
ZZ03860		0.34	24.2	650	24.7	8.1	<0.001	0.06	1.09	3.8	1.2	0.4	53.1	<0.01	0.05	1.4
ZZ03861		0.39	25.4	620	23.1	6.7	0.001	0.06	0.84	3.4	1.7	0.4	41.2	<0.01	0.04	1.4
ZZ03862		0.50	25.3	510	28.3	10.3	<0.001	0.04	2.24	5.4	0.7	0.4	35.8	<0.01	0.04	2.6
ZZ03863		0.42	14.9	960	14.2	6.7	<0.001	0.17	1.84	1.2	2.2	0.2	128.0	0.01	0.04	0.2
ZZ03864		0.51	24.2	480	33.5	10.8	<0.001	0.04	1.03	4.5	1.2	0.5	41.9	0.01	0.05	1.8
ZZ03865		1.01	18.4	280	23.4	10.9	<0.001	0.01	0.62	3.1	<0.2	0.5	13.4	<0.01	0.05	2.7
ZZ03866		0.61	24.9	570	33.0	11.0	<0.001	0.05	1.74	5.2	0.9	0.5	57.2	0.01	0.05	1.6
ZZ03867		0.64	24.6	560	24.2	11.8	<0.001	0.03	1.64	4.9	0.7	0.5	36.6	<0.01	0.04	1.8
ZZ03868		0.96	10.4	180	20.7	11.8	<0.001	0.01	0.47	2.4	<0.2	0.6	6.9	<0.01	0.04	2.1
ZZ03869		1.35	15.8	430	32.5	16.4	<0.001	0.02	0.77	2.8	0.2	0.8	6.3	<0.01	0.07	1.8
ZZ03870		1.04	9.3	220	18.6	13.4	<0.001	0.01	0.45	2.0	<0.2	0.7	6.0	<0.01	0.04	1.8
ZZ03871		1.57	14.1	160	19.6	19.9	<0.001	0.01	0.31	2.9	<0.2	0.7	9.0	<0.01	0.03	3.8
ZZ03872		1.25	21.4	210	33.4	15.8	<0.001	0.02	1.26	3.3	0.3	0.7	7.3	<0.01	0.06	3.0
ZZ03873		0.70	31.0	450	33.3	10.0	<0.001	0.01	1.01	4.5	0.7	0.6	17.4	<0.01	0.05	3.7
ZZ03874		1.29	8.0	210	17.6	8.3	<0.001	0.02	0.43	2.0	<0.2	0.7	9.6	<0.01	0.03	0.7
ZZ03875		1.40	9.5	240	18.4	10.3	<0.001	0.01	0.53	2.2	<0.2	0.8	4.5	<0.01	0.04	2.5
ZZ03876		0.58	9.9	200	34.0	10.4	<0.001	0.01	0.18	1.7	<0.2	0.6	8.4	<0.01	0.04	1.3
ZZ03877		1.92	25.2	310	22.6	13.2	<0.001	0.01	0.45	4.6	0.4	0.8	15.6	<0.01	0.04	5.0
ZZ03878		1.66	9.3	130	57.7	9.8	<0.001	0.01	0.42	2.2	<0.2	0.8	7.1	<0.01	0.04	3.0
ZZ03879		0.64	23.0	390	31.0	12.5	<0.001	0.02	0.64	4.0	0.3	0.6	8.8	<0.01	0.05	2.9
ZZ03880		0.51	43.9	730	25.6	8.3	<0.001	0.02	1.42	6.5	1.4	0.5	41.3	0.01	0.06	3.5
ZZ03881		0.71	22.1	380	33.5	8.1	<0.001	0.04	31.9	3.8	0.6	0.5	34.2	<0.01	0.04	1.8
ZZ03882		0.68	21.6	680	18.8	8.9	<0.001	0.06	2.81	3.5	0.8	0.5	49.9	<0.01	0.04	1.1
ZZ03883		0.73	28.2	370	25.3	11.4	<0.001	0.01	1.01	4.1	0.3	0.6	17.1	<0.01	0.05	3.3
ZZ03884		0.49	45.6	790	31.2	9.6	0.001	0.03	1.15	7.9	1.3	0.6	31.4	0.01	0.07	3.8
ZZ03885		0.57	35.8	830	26.2	9.2	<0.001	0.02	1.00	6.1	1.0	0.5	27.5	0.01	0.06	4.7
ZZ03886		0.54	26.6	520	38.3	8.4	<0.001	0.02	3.81	4.2	0.6	0.4	22.0	<0.01	0.06	2.9
ZZ03887		0.41	23.4	730	19.6	13.1	<0.001	0.07	0.74	4.7	0.4	0.3	74.0	<0.01	0.10	1.0
ZZ03888		1.14	23.9	480	18.3	15.8	<0.001	0.04	0.67	3.3	0.2	0.6	45.3	<0.01	0.05	1.1
ZZ03889		0.53	9.1	290	17.4	17.1	<0.001	0.01	0.34	1.7	<0.2	0.6	8.6	<0.01	0.04	1.1
ZZ03890		1.22	17.9	340	28.6	15.7	<0.001	0.02	0.45	3.1	<0.2	0.7	14.3	<0.01	0.04	2.1
ZZ03891		0.65	16.3	220	35.4	12.7	<0.001	0.01	0.51	2.6	<0.2	0.5	9.5	<0.01	0.04	2.4
ZZ03892		0.92	25.0	320	36.8	12.1	<0.001	0.02	0.44	4.3	0.4	0.6	22.1	0.01	0.04	4.3
ZZ03893		0.40	26.0	940	27.3	8.2	<0.001	0.07	0.35	6.4	1.4	0.4	170.0	0.01	0.13	2.0

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03854		0.007	0.20	1.00	30	0.06	15.50	143	1.9
ZZ03855		0.009	0.19	0.78	30	0.09	12.70	134	1.2
ZZ03856		<0.005	0.37	1.39	30	0.06	17.10	173	1.7
ZZ03857		0.006	0.31	0.99	31	0.07	10.65	150	1.0
ZZ03858		0.007	0.20	1.07	26	0.07	11.65	129	1.5
ZZ03859		0.006	0.20	1.33	31	0.08	11.35	139	1.5
ZZ03860		0.006	0.20	1.29	32	0.08	12.00	140	1.2
ZZ03861		0.007	0.16	1.39	33	0.07	9.44	135	1.3
ZZ03862		0.008	0.37	0.67	29	0.09	12.15	183	1.6
ZZ03863		0.008	0.09	5.00	16	0.06	7.06	70	1.2
ZZ03864		0.007	0.17	1.62	30	0.08	13.75	116	1.4
ZZ03865		0.015	0.11	0.52	44	0.17	3.63	112	1.0
ZZ03866		0.007	0.17	1.74	29	0.10	16.65	121	1.4
ZZ03867		0.011	0.13	1.55	30	0.14	10.55	125	1.3
ZZ03868		0.013	0.16	0.36	42	0.13	2.14	65	<0.5
ZZ03869		0.009	0.21	0.47	53	0.14	2.20	105	1.0
ZZ03870		0.012	0.15	0.35	45	0.13	1.99	56	<0.5
ZZ03871		0.022	0.15	0.54	52	0.21	2.76	79	1.6
ZZ03872		0.010	0.18	0.44	46	0.12	2.78	109	2.2
ZZ03873		0.007	0.18	0.75	42	0.07	7.14	152	0.9
ZZ03874		0.042	0.12	0.66	49	0.28	3.15	26	<0.5
ZZ03875		0.015	0.12	0.35	54	0.16	1.97	79	0.5
ZZ03876		0.010	0.15	0.43	34	0.10	2.01	35	<0.5
ZZ03877		0.027	0.16	0.96	57	0.32	7.25	97	2.1
ZZ03878		0.026	0.16	0.38	52	0.21	2.42	54	0.9
ZZ03879		0.005	0.20	0.64	37	0.09	4.44	126	1.1
ZZ03880		0.006	0.26	0.99	68	0.15	15.30	199	2.6
ZZ03881		0.010	0.27	0.91	39	0.12	7.70	135	1.1
ZZ03882		0.012	0.11	1.63	36	0.12	8.40	93	1.2
ZZ03883		0.007	0.18	0.75	37	0.12	4.67	111	1.2
ZZ03884		<0.005	0.32	1.38	60	0.09	17.50	185	2.6
ZZ03885		0.007	0.19	1.22	44	0.08	13.65	246	2.2
ZZ03886		0.007	0.25	0.75	49	0.07	6.65	167	1.1
ZZ03887		0.007	0.09	1.09	25	0.09	7.24	90	1.5
ZZ03888		0.033	0.11	1.03	47	0.20	5.50	116	0.7
ZZ03889		0.008	0.10	0.42	34	0.10	2.29	60	<0.5
ZZ03890		0.021	0.12	0.57	46	0.17	3.56	91	0.6
ZZ03891		0.007	0.18	0.41	29	0.08	2.91	97	<0.5
ZZ03892		0.018	0.11	0.80	37	0.17	9.73	102	0.8
ZZ03893		<0.005	0.15	2.86	22	0.09	28.7	88	1.8



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03894		0.17	0.002	0.16	1.10	48.0	<0.2	<10	250	0.83	0.24	0.98	0.76	18.65	12.0	19
ZZ03895		0.11	0.002	0.28	0.55	36.0	<0.2	<10	170	0.78	0.27	1.53	0.30	16.80	8.4	9
ZZ03896		0.20	0.003	0.24	1.21	70.0	<0.2	<10	310	0.78	0.24	1.69	0.75	21.8	10.9	22
ZZ03897		0.21	0.001	0.12	0.86	28.1	<0.2	<10	150	0.38	0.12	6.13	0.17	15.40	5.3	14
ZZ03898		0.18	0.003	0.28	1.25	36.6	<0.2	<10	310	0.78	0.27	0.87	0.38	27.5	10.7	22
ZZ03899		0.22	0.003	0.25	0.75	35.4	<0.2	<10	100	0.85	0.20	0.68	0.18	28.3	7.1	16
ZZ03900		0.19	0.002	0.13	0.49	28.8	<0.2	<10	150	0.83	0.29	0.60	0.14	15.75	9.4	9
CC160191		0.22	0.002	0.15	0.63	17.8	<0.2	<10	200	0.75	0.30	1.18	0.21	19.20	10.6	10
CC160192		0.23	0.002	0.08	1.56	32.7	<0.2	<10	190	0.88	0.30	0.37	0.12	33.8	9.4	24
CC160193		0.20	0.001	0.15	1.18	37.6	<0.2	<10	240	0.76	0.34	0.78	0.16	14.00	12.8	19
CC160194		0.23	0.001	0.08	1.27	66.6	<0.2	<10	380	0.96	0.29	0.13	0.83	27.8	14.4	19
CC160195		0.18	0.002	0.23	0.89	34.6	<0.2	<10	290	0.45	0.31	0.99	0.34	10.90	10.4	17
CC160168		0.29	0.001	0.09	1.52	62.1	<0.2	<10	190	0.84	0.30	0.24	0.32	17.25	10.7	18
CC160169		0.28	0.003	0.12	1.14	38.4	<0.2	<10	220	0.70	0.26	1.27	0.23	15.10	9.0	18
CC160170		0.16	0.003	0.18	0.63	46.7	<0.2	<10	100	0.60	0.16	3.00	0.61	16.85	4.9	11
CC160171		0.10	0.001	0.08	0.68	28.3	<0.2	<10	80	0.37	0.13	3.23	0.29	12.20	4.1	8
CC160172		0.11	0.009	0.15	0.48	44.1	<0.2	<10	100	0.41	0.13	3.22	0.39	9.96	5.1	9
CC160173		0.11	0.003	0.16	0.99	31.9	<0.2	<10	160	0.67	0.17	2.78	0.31	16.00	7.1	14
CC160174		0.16	0.004	0.18	1.26	39.6	<0.2	<10	220	0.79	0.21	1.72	0.43	22.0	9.9	19
CC160175		0.30	0.002	0.15	0.97	59.7	<0.2	<10	170	0.77	0.23	0.85	0.38	17.90	8.9	17
CC160176		0.18	0.007	0.15	1.15	71.4	<0.2	<10	220	0.91	0.25	1.00	0.65	21.7	10.0	19
CC160177		0.14	0.003	0.14	1.05	51.8	<0.2	<10	200	0.64	0.21	2.06	0.91	15.25	7.8	16
CC160178		0.18	0.003	0.15	1.04	51.7	<0.2	<10	220	0.64	0.21	1.48	1.07	16.25	8.4	17
CC160179		0.22	0.002	0.18	1.06	16.3	<0.2	<10	160	0.74	0.21	4.29	0.50	22.5	8.6	17
CC160180		0.24	0.002	0.09	1.20	33.7	<0.2	<10	240	0.71	0.24	0.91	0.53	18.10	8.7	18
CC160181		0.19	0.003	0.26	1.25	86.0	<0.2	<10	180	1.38	0.29	1.74	0.43	37.0	10.8	19
CC160182		0.24	0.002	0.07	1.13	50.5	<0.2	<10	110	0.82	0.26	0.04	0.33	21.0	10.0	20
CC160183		0.26	0.002	0.08	1.31	25.3	<0.2	<10	230	1.06	0.28	1.28	0.24	19.50	9.8	22
CC160184		0.14	0.004	0.19	1.18	15.8	<0.2	<10	430	0.64	0.20	2.69	0.79	17.60	9.5	18
CC160185		0.24	0.002	0.11	1.08	75.5	<0.2	<10	200	0.80	0.28	0.75	0.49	17.10	7.9	19
CC160186		0.25	0.002	0.14	1.19	52.3	<0.2	<10	220	0.86	0.25	0.66	0.32	17.05	7.4	20
CC160187		0.15	0.002	0.10	1.97	145.0	<0.2	<10	270	0.91	0.25	1.70	1.91	44.7	9.6	27
CC160188		0.26	0.001	0.05	1.64	39.0	<0.2	<10	240	0.91	0.27	0.49	0.41	20.6	9.4	24
CC160189		0.17	<0.001	0.19	1.89	29.3	<0.2	<10	190	1.01	0.23	4.53	2.76	24.6	7.8	23
CC160190		0.25	0.002	0.12	1.55	27.1	<0.2	<10	300	0.96	0.26	0.68	0.27	23.6	8.4	24
ZZ03651		0.23	0.002	0.24	1.50	21.5	<0.2	<10	250	0.73	0.25	1.28	0.30	25.2	9.7	25
ZZ03652		0.15	0.002	0.20	1.19	44.4	<0.2	<10	200	0.92	0.21	2.43	0.59	24.1	8.0	20
ZZ03653		0.15	0.002	0.17	1.19	48.5	<0.2	<10	210	0.75	0.22	2.04	0.46	23.2	10.0	18
ZZ03654		0.14	0.006	0.17	1.02	25.3	<0.2	<10	210	0.65	0.16	3.62	0.54	18.20	7.7	15
ZZ03655		0.08	0.002	0.23	0.88	36.8	<0.2	<10	190	0.71	0.20	3.81	0.37	21.8	8.9	16



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03894		5.85	18.9	3.43	3.32	0.09	0.07	1.74	0.039	0.06	7.8	16.4	0.28	784	1.27	<0.01
ZZ03895		5.34	23.2	2.96	1.57	0.09	0.06	0.35	0.034	0.04	7.0	4.8	0.12	419	0.86	<0.01
ZZ03896		10.40	23.5	3.07	3.43	0.09	0.05	0.87	0.031	0.07	9.4	16.3	0.37	837	1.00	<0.01
ZZ03897		0.86	6.3	1.88	2.57	0.05	0.03	0.22	0.016	0.03	6.6	9.8	3.54	984	0.70	<0.01
ZZ03898		1.19	20.7	2.99	3.73	<0.05	0.04	0.85	0.036	0.06	10.9	16.0	0.38	567	0.83	0.01
ZZ03899		1.80	14.6	2.44	1.77	0.06	0.07	1.40	0.030	0.05	12.3	6.5	0.15	344	0.71	0.01
ZZ03900		8.29	22.5	2.85	1.38	<0.05	0.04	0.46	0.031	0.07	6.7	5.6	0.08	276	0.63	0.01
CC160191		2.00	20.9	2.98	1.69	0.05	0.03	9.70	0.034	0.05	7.3	8.7	0.14	559	0.57	0.01
CC160192		1.79	14.3	3.55	4.09	0.05	0.04	0.65	0.038	0.05	9.9	29.1	0.42	346	1.05	0.01
CC160193		3.07	24.1	3.21	3.50	0.05	0.05	0.75	0.047	0.07	6.2	18.6	0.35	679	0.89	0.01
CC160194		1.78	18.6	5.15	4.19	0.05	0.05	0.59	0.068	0.06	8.2	18.4	0.17	3880	1.66	0.01
CC160195		1.85	23.9	2.93	2.47	<0.05	0.04	2.09	0.031	0.06	4.9	11.1	0.28	339	0.97	0.01
CC160168		1.67	20.2	3.61	4.64	<0.05	0.04	0.56	0.040	0.05	5.7	17.3	0.19	527	1.10	0.01
CC160169		0.76	20.1	3.01	3.40	<0.05	0.04	0.57	0.030	0.06	6.8	10.6	0.27	541	0.92	0.01
CC160170		0.65	14.8	2.03	1.64	0.05	0.04	1.52	0.021	0.04	7.7	3.4	0.62	508	0.50	0.01
CC160171		0.58	11.5	1.31	1.62	<0.05	0.05	0.42	0.019	0.05	5.6	2.7	0.09	284	0.34	0.02
CC160172		1.36	15.8	1.44	1.31	<0.05	0.07	1.29	0.018	0.05	4.7	2.4	0.08	288	0.39	0.02
CC160173		1.06	17.5	2.14	2.50	0.05	0.04	0.70	0.023	0.04	6.8	6.7	0.19	608	0.56	0.01
CC160174		1.36	22.4	2.85	3.37	<0.05	0.05	0.91	0.028	0.05	9.0	10.2	0.28	760	0.73	0.01
CC160175		0.83	21.2	3.24	2.68	0.05	0.04	0.96	0.030	0.06	8.0	9.6	0.23	592	1.00	0.01
CC160176		2.68	26.6	3.36	3.28	<0.05	0.05	0.98	0.034	0.06	8.9	9.9	0.27	834	0.93	0.01
CC160177		2.05	22.4	2.60	2.78	<0.05	0.05	0.86	0.029	0.06	7.1	8.2	0.44	571	0.78	0.01
CC160178		1.94	22.7	2.71	2.89	<0.05	0.04	0.88	0.028	0.06	7.2	9.6	0.27	625	0.71	0.01
CC160179		0.57	22.6	2.34	3.12	<0.05	0.04	0.39	0.028	0.05	10.3	13.1	1.93	576	0.52	0.02
CC160180		0.68	14.9	3.35	3.75	<0.05	0.02	0.20	0.034	0.06	7.6	10.1	0.24	985	0.74	0.01
CC160181		0.89	25.3	3.88	2.60	0.08	0.06	0.95	0.045	0.06	19.5	9.8	0.80	1220	1.01	0.01
CC160182		0.81	32.2	3.92	2.93	<0.05	0.06	0.82	0.036	0.04	10.5	12.9	0.22	570	1.10	0.01
CC160183		0.76	24.0	3.84	4.13	0.05	0.06	0.39	0.038	0.09	9.7	18.0	0.69	656	0.76	0.01
CC160184		0.58	26.9	2.11	3.65	<0.05	0.03	0.24	0.024	0.04	7.7	10.0	0.36	985	0.54	0.02
CC160185		0.95	20.8	3.27	3.30	0.05	0.04	0.67	0.037	0.07	7.8	12.3	0.28	526	0.80	0.01
CC160186		0.61	22.3	3.48	3.22	0.05	0.05	0.79	0.034	0.06	9.5	11.7	0.32	434	0.80	0.01
CC160187		0.98	13.8	6.74	4.84	0.08	0.06	0.25	0.037	0.05	23.9	16.7	0.84	4440	0.85	0.02
CC160188		1.17	12.4	3.52	4.95	<0.05	0.04	0.63	0.032	0.05	8.9	14.2	0.39	521	0.97	0.01
CC160189		0.98	14.8	3.45	4.66	<0.05	0.05	0.66	0.034	0.05	13.4	10.2	2.50	3610	0.74	0.02
CC160190		0.81	14.5	3.23	4.26	<0.05	0.06	0.39	0.033	0.06	11.5	12.5	0.40	376	0.76	0.01
ZZ03651		0.76	26.0	2.77	4.09	<0.05	0.03	0.33	0.027	0.05	12.2	12.4	0.46	663	0.57	0.01
ZZ03652		1.60	20.3	2.79	3.22	0.05	0.05	0.77	0.032	0.06	12.2	8.4	0.19	365	0.56	0.01
ZZ03653		1.10	21.2	2.61	3.40	0.05	0.04	0.75	0.032	0.05	11.0	9.8	0.23	755	0.62	0.01
ZZ03654		0.70	23.5	2.08	2.53	<0.05	0.04	0.59	0.024	0.05	8.4	6.9	0.19	577	0.51	0.02
ZZ03655		1.20	25.5	2.49	2.51	<0.05	0.08	0.92	0.031	0.09	9.5	8.1	0.34	370	0.64	0.02

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



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03894		0.60	23.8	420	28.3	12.5	<0.001	0.04	2.38	3.9	1.2	0.5	61.1	<0.01	0.05	1.7
ZZ03895		0.39	22.8	600	26.0	8.0	<0.001	0.07	0.65	3.6	1.2	0.3	93.1	0.01	0.04	1.2
ZZ03896		0.72	25.0	740	31.8	13.5	<0.001	0.08	1.58	2.8	1.5	0.4	93.7	0.01	0.05	0.7
ZZ03897		0.64	10.0	530	11.9	5.4	<0.001	0.03	0.65	1.6	0.2	0.3	45.6	<0.01	0.03	0.6
ZZ03898		0.62	26.4	590	45.8	8.0	0.001	0.04	1.00	3.1	0.4	0.5	38.7	<0.01	0.02	1.3
ZZ03899		0.29	20.0	550	45.5	4.4	<0.001	0.03	1.04	4.7	0.7	0.4	30.1	<0.01	0.02	3.5
ZZ03900		0.33	27.6	280	26.7	9.4	<0.001	0.03	0.48	4.5	0.9	0.3	35.7	<0.01	0.02	3.1
CC160191		0.26	25.1	570	22.7	8.4	<0.001	0.05	0.73	3.3	1.4	0.4	70.0	<0.01	0.01	1.6
CC160192		0.84	25.4	280	23.3	9.8	<0.001	0.01	2.32	3.5	0.5	0.6	27.7	<0.01	0.03	4.0
CC160193		0.53	20.1	660	32.6	11.0	0.002	0.05	1.49	3.2	0.6	0.6	64.1	0.02	0.03	1.3
CC160194		0.63	22.5	560	41.2	10.8	<0.001	0.02	1.37	3.7	0.8	0.5	11.1	<0.01	0.03	3.2
CC160195		0.46	24.5	580	51.2	10.8	<0.001	0.05	1.19	3.0	0.6	0.4	69.8	<0.01	0.02	1.0
CC160168		0.52	24.0	220	26.1	10.7	0.001	0.01	1.05	3.2	0.2	0.6	13.0	<0.01	0.04	2.9
CC160169		0.51	21.1	760	22.4	7.5	<0.001	0.05	1.13	2.9	0.4	0.5	45.9	<0.01	0.02	1.4
CC160170		0.19	15.6	1100	34.1	4.6	<0.001	0.10	1.47	1.2	1.1	0.3	65.9	<0.01	0.02	0.5
CC160171		0.36	9.8	960	12.6	3.1	<0.001	0.16	0.71	0.9	0.5	0.3	89.8	<0.01	0.01	0.3
CC160172		0.23	15.3	1030	13.6	3.6	<0.001	0.16	0.79	1.3	0.8	0.3	114.5	<0.01	0.01	0.6
CC160173		0.40	15.6	1020	16.3	5.4	<0.001	0.13	1.86	1.3	1.2	0.4	87.8	<0.01	0.01	0.4
CC160174		0.51	22.3	840	23.6	7.5	<0.001	0.08	1.64	2.5	1.4	0.5	48.4	<0.01	0.02	0.9
CC160175		0.39	23.0	490	33.9	5.6	<0.001	0.04	1.57	3.4	0.8	0.4	24.1	<0.01	0.02	1.7
CC160176		0.44	24.1	560	33.7	8.7	<0.001	0.05	1.87	3.5	0.9	0.5	29.9	<0.01	0.02	1.3
CC160177		0.41	21.3	760	31.2	9.6	<0.001	0.09	1.87	2.3	1.0	0.4	39.9	<0.01	0.02	0.7
CC160178		0.42	21.2	730	29.7	9.8	<0.001	0.07	1.55	2.4	0.9	0.4	36.8	<0.01	0.03	0.9
CC160179		0.48	19.3	830	15.7	6.4	<0.001	0.06	0.64	2.8	1.1	0.5	53.2	<0.01	0.03	1.0
CC160180		0.49	12.4	530	22.8	10.1	<0.001	0.03	0.46	2.8	0.5	0.5	22.8	<0.01	0.04	1.4
CC160181		0.26	29.6	910	42.0	7.6	<0.001	0.04	1.67	7.4	2.1	0.5	24.3	<0.01	0.05	2.7
CC160182		0.45	24.2	240	27.1	8.0	<0.001	0.01	0.83	5.1	0.9	0.5	5.5	<0.01	0.02	4.6
CC160183		0.57	24.5	450	25.8	9.9	<0.001	0.02	0.60	5.2	0.6	0.6	19.5	<0.01	0.02	3.6
CC160184		0.60	18.1	1060	14.8	6.0	<0.001	0.10	0.68	1.5	1.1	0.5	53.2	<0.01	<0.01	0.4
CC160185		0.46	20.6	480	26.5	11.5	<0.001	0.03	1.45	4.4	0.7	0.5	21.5	<0.01	0.02	2.1
CC160186		0.46	21.7	390	24.4	6.8	<0.001	0.02	0.86	4.7	0.6	0.5	19.2	<0.01	0.01	2.2
CC160187		0.69	19.9	770	29.1	10.4	<0.001	0.05	1.27	4.7	1.0	0.5	15.8	0.01	0.07	1.9
CC160188		0.78	20.9	190	23.7	10.1	<0.001	0.01	0.68	3.8	0.3	0.6	12.8	<0.01	0.02	3.2
CC160189		0.54	19.7	1420	17.7	10.9	<0.001	0.08	0.91	2.1	0.6	0.5	18.4	<0.01	0.03	0.8
CC160190		0.73	22.7	330	21.2	8.9	<0.001	0.02	0.76	4.5	<0.2	0.6	24.6	<0.01	0.02	3.1
ZZ03651		0.75	23.2	640	16.6	7.1	<0.001	0.05	0.56	2.5	1.0	0.5	42.8	<0.01	0.01	0.9
ZZ03652		0.49	23.9	980	23.8	7.9	<0.001	0.07	1.79	2.9	0.6	0.5	95.6	<0.01	0.03	0.9
ZZ03653		0.51	21.0	920	25.3	8.6	<0.001	0.09	1.27	2.4	0.6	0.5	74.7	<0.01	0.02	0.8
ZZ03654		0.42	19.4	990	16.4	4.7	<0.001	0.12	0.74	1.2	1.0	0.4	114.5	<0.01	0.02	0.4
ZZ03655		0.38	27.2	1200	24.4	6.2	<0.001	0.10	1.20	2.8	1.4	0.5	132.0	<0.01	0.03	1.2

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



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03894		0.007	0.20	1.07	38	0.10	8.85	153	1.3
ZZ03895		0.007	0.19	1.39	15	0.08	12.50	110	1.2
ZZ03896		0.016	0.30	1.59	35	0.14	10.05	221	1.1
ZZ03897		0.017	0.08	1.13	27	0.14	4.74	61	0.6
ZZ03898		0.018	0.18	1.20	35	0.13	9.90	137	1.1
ZZ03899		0.005	0.18	0.93	21	0.07	11.75	71	2.5
ZZ03900		0.008	0.23	0.91	13	0.06	11.75	98	1.4
CC160191		0.005	0.13	0.88	15	0.05	10.35	107	1.1
CC160192		0.016	0.20	0.81	37	0.19	6.69	102	1.4
CC160193		0.013	0.15	1.40	34	0.12	7.39	107	1.2
CC160194		0.010	0.21	1.00	41	0.13	10.65	146	1.4
CC160195		0.012	0.11	0.91	28	0.07	4.85	191	1.2
CC160168		<0.005	0.21	0.65	39	0.07	4.47	122	1.3
CC160169		0.009	0.27	0.96	32	0.11	6.76	86	1.3
CC160170		<0.005	0.16	2.01	15	0.06	11.20	221	1.2
CC160171		0.009	0.11	1.04	12	<0.05	5.55	50	2.0
CC160172		0.005	0.20	2.72	11	<0.05	6.10	128	2.3
CC160173		0.008	0.13	2.62	23	0.07	8.35	58	1.2
CC160174		0.008	0.17	1.79	32	0.08	9.47	94	1.4
CC160175		0.006	0.15	1.27	30	0.06	9.23	139	1.4
CC160176		0.009	0.24	2.01	32	0.11	9.77	345	1.4
CC160177		0.007	0.29	2.08	28	0.07	8.55	356	1.4
CC160178		0.008	0.29	2.03	28	0.09	8.54	436	1.3
CC160179		0.012	0.08	1.48	24	0.09	10.65	83	1.2
CC160180		0.007	0.11	1.13	35	0.08	6.37	135	0.7
CC160181		<0.005	0.22	1.94	30	0.06	30.1	119	1.6
CC160182		0.006	0.17	1.02	31	0.08	11.35	121	2.2
CC160183		0.009	0.15	0.99	29	0.07	11.25	114	2.0
CC160184		0.017	0.05	2.63	31	0.14	7.12	59	0.8
CC160185		0.008	0.21	1.42	30	0.08	9.64	152	1.2
CC160186		0.009	0.18	1.34	35	0.08	13.15	109	1.3
CC160187		0.021	0.14	1.69	51	0.17	22.1	539	1.8
CC160188		0.010	0.19	1.06	47	0.12	5.32	200	1.7
CC160189		0.021	0.13	2.19	40	0.17	15.10	635	1.5
CC160190		0.012	0.13	1.02	41	0.14	9.27	95	1.8
ZZ03651		0.024	0.08	1.31	40	0.21	10.15	91	0.8
ZZ03652		0.011	0.21	1.74	29	0.09	11.70	82	1.6
ZZ03653		0.010	0.20	1.95	30	0.10	11.40	101	1.3
ZZ03654		0.008	0.09	1.92	24	0.06	9.08	77	1.1
ZZ03655		0.006	0.21	1.53	21	0.08	11.20	112	2.3





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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03656		0.20	0.001	0.17	0.35	12.6	<0.2	<10	100	0.75	0.31	0.77	0.06	40.1	11.5	8
ZZ03657		0.10	<0.001	0.05	0.85	37.2	<0.2	<10	120	0.44	0.20	1.30	0.16	13.70	5.1	12
ZZ03658		0.11	<0.001	0.09	0.98	126.0	<0.2	<10	110	0.63	0.22	1.27	0.31	25.7	5.7	14
ZZ03659		0.16	0.001	0.19	1.16	178.0	<0.2	<10	120	0.97	0.22	2.08	0.33	29.9	6.8	20
ZZ03660		0.11	<0.001	0.10	0.91	80.0	<0.2	<10	130	0.57	0.15	3.20	0.33	14.50	4.6	13
ZZ03661		0.10	<0.001	0.15	0.92	48.8	<0.2	<10	200	0.59	0.15	3.98	0.71	12.70	6.0	13
ZZ03662		0.14	0.002	0.16	1.15	72.9	<0.2	<10	160	0.73	0.23	2.37	0.70	24.3	7.0	17
ZZ03663		0.24	0.001	0.14	1.19	187.0	<0.2	<10	160	0.97	0.25	3.25	0.38	24.2	9.4	19
ZZ03664		0.27	0.002	0.16	1.04	198.0	<0.2	<10	190	0.83	0.23	3.11	1.09	22.6	8.8	17
ZZ03665		0.11	0.002	0.10	1.42	42.5	<0.2	<10	210	0.89	0.23	3.91	2.23	28.9	7.3	21
ZZ03666		0.32	0.001	0.14	1.31	54.1	<0.2	<10	220	0.97	0.24	2.38	1.40	24.1	9.3	21
ZZ03667		0.30	0.002	0.19	1.37	51.5	<0.2	<10	270	1.02	0.28	1.03	0.43	28.6	10.9	22
ZZ03668		0.30	0.002	0.15	1.31	43.4	<0.2	<10	310	0.90	0.29	0.63	0.38	24.1	11.5	23
ZZ03669		0.20	0.001	0.19	1.18	65.0	<0.2	<10	280	0.87	0.33	0.95	0.61	17.20	10.5	21
ZZ03670		0.30	0.002	0.15	1.57	28.1	<0.2	<10	300	0.89	0.28	1.06	0.36	28.2	9.4	27
ZZ03671		0.27	0.002	0.14	1.26	32.9	<0.2	<10	230	0.80	0.27	0.57	0.33	24.8	10.1	23
ZZ03672		0.18	<0.001	0.04	0.82	19.7	<0.2	<10	310	0.94	0.35	0.54	0.33	34.3	12.2	12
ZZ03673		0.33	0.003	0.20	1.17	54.1	<0.2	<10	290	1.21	0.32	0.51	0.35	21.5	14.0	20
ZZ03674		0.20	0.001	0.02	0.80	51.1	<0.2	<10	60	0.25	0.25	0.06	0.07	12.30	3.0	11
ZZ03675		0.37	0.002	0.17	1.12	60.9	<0.2	<10	290	0.97	0.28	1.09	0.52	21.7	10.1	20
ZZ03676		0.17	0.002	0.17	1.35	131.5	<0.2	<10	400	0.95	0.29	1.61	1.04	24.6	11.4	22
ZZ03677		0.16	0.003	0.18	1.16	117.0	<0.2	<10	380	0.76	0.21	2.32	1.55	18.75	8.5	18
ZZ03678		0.30	0.001	0.17	1.24	67.4	<0.2	<10	220	1.12	0.32	2.11	0.95	18.50	12.9	20
ZZ03679		0.15	0.003	0.21	1.26	180.5	<0.2	<10	220	0.90	0.23	2.37	5.52	21.0	9.1	20
ZZ03680		0.13	0.003	0.17	1.25	139.5	<0.2	<10	230	0.87	0.24	1.92	2.40	23.2	9.5	20
ZZ03681		0.32	0.002	0.15	1.34	113.0	<0.2	<10	260	1.00	0.25	0.91	0.59	22.9	10.2	21
ZZ03682		0.19	0.002	0.16	2.12	46.2	<0.2	<10	200	1.30	0.23	2.64	1.43	38.1	8.9	28
ZZ03683		0.28	0.002	0.13	1.25	75.6	<0.2	<10	240	0.91	0.30	0.46	0.21	24.5	11.2	22
ZZ03684		0.19	0.001	0.12	1.41	112.5	<0.2	<10	130	0.94	0.21	5.40	0.87	22.8	8.8	18
ZZ03685		0.23	0.003	0.18	1.51	36.0	<0.2	<10	230	0.77	0.25	1.61	0.16	26.0	7.9	25
ZZ03686		0.08	0.002	0.12	0.98	23.6	<0.2	<10	100	0.62	0.13	3.69	0.43	16.05	5.3	13
ZZ03687		0.15	0.002	0.16	0.84	40.8	<0.2	<10	110	0.67	0.19	1.89	0.24	19.65	5.6	14
ZZ03688		0.30	0.001	0.14	1.40	52.9	<0.2	<10	270	1.05	0.30	0.86	0.19	21.2	10.3	22
ZZ03689		0.24	<0.001	0.06	1.44	44.2	<0.2	<10	280	0.64	0.30	0.36	0.18	15.45	9.4	20
ZZ03591		0.18	0.002	0.09	0.78	61.7	<0.2	<10	140	0.83	0.23	6.88	0.76	18.25	10.8	15
ZZ03592		0.17	0.002	0.11	1.38	79.2	<0.2	<10	170	1.06	0.25	3.58	0.59	20.8	8.4	19
ZZ03593		0.22	0.002	0.22	1.05	32.2	<0.2	<10	200	0.70	0.26	0.42	0.17	28.1	8.9	18
ZZ03594		0.16	0.002	0.18	1.09	61.1	<0.2	<10	140	0.87	0.28	1.11	0.35	26.2	7.7	20
ZZ03595		0.18	0.001	0.18	0.96	70.5	<0.2	<10	150	0.80	0.28	1.07	0.37	20.7	9.4	17
ZZ03596		0.13	0.002	0.11	0.84	30.9	<0.2	<10	180	0.63	0.29	0.92	0.27	20.0	10.6	15



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03656		2.91	26.1	3.05	1.02	0.07	0.08	0.46	0.030	0.07	19.7	3.0	0.04	307	0.86	<0.01
ZZ03657		1.78	11.6	2.28	3.07	<0.05	0.03	0.12	0.023	0.07	6.1	6.1	0.09	310	0.77	0.01
ZZ03658		0.61	11.1	2.41	2.80	<0.05	0.04	0.34	0.029	0.08	9.0	7.7	0.14	322	0.58	0.01
ZZ03659		0.76	16.0	3.02	3.21	0.05	0.05	1.08	0.031	0.07	15.5	9.7	0.47	420	0.72	0.01
ZZ03660		0.67	14.6	1.78	2.42	<0.05	0.03	0.82	0.021	0.05	8.2	5.7	0.14	261	0.48	0.01
ZZ03661		0.78	21.1	1.76	2.40	<0.05	0.04	0.68	0.023	0.04	6.6	6.1	0.20	577	0.50	0.01
ZZ03662		1.01	20.5	2.48	3.11	0.05	0.03	0.73	0.029	0.05	12.5	8.6	0.28	552	0.64	0.01
ZZ03663		0.80	21.2	3.77	3.37	<0.05	0.05	1.56	0.037	0.08	12.6	11.7	1.82	1310	0.91	0.01
ZZ03664		3.05	26.2	2.98	2.99	<0.05	0.03	1.96	0.029	0.07	10.0	10.4	1.28	955	0.83	0.01
ZZ03665		0.81	13.8	3.11	4.34	0.05	0.03	4.88	0.032	0.06	15.5	10.3	1.73	1680	0.76	0.01
ZZ03666		0.82	22.1	3.57	3.77	0.05	0.05	0.85	0.038	0.08	11.4	12.1	1.23	1220	0.95	0.01
ZZ03667		0.78	27.3	3.60	4.02	0.05	0.04	0.59	0.039	0.07	12.5	13.8	0.39	833	1.13	0.01
ZZ03668		0.78	25.2	3.65	3.89	0.05	0.04	0.57	0.037	0.09	10.3	16.6	0.40	706	1.38	0.01
ZZ03669		0.66	28.2	3.63	3.59	<0.05	0.05	0.79	0.040	0.09	6.9	13.8	0.34	656	1.32	0.01
ZZ03670		0.87	20.2	3.29	4.69	0.05	0.03	0.61	0.037	0.07	13.4	15.9	0.50	650	1.03	0.01
ZZ03671		0.83	32.5	3.58	3.99	<0.05	0.04	0.41	0.034	0.07	10.9	15.5	0.38	671	1.14	0.01
ZZ03672		3.21	17.7	3.66	2.44	0.07	0.02	0.18	0.042	0.08	13.7	9.6	0.18	492	0.45	<0.01
ZZ03673		0.94	36.2	3.89	3.58	0.05	0.06	0.83	0.039	0.08	7.8	14.6	0.33	764	1.81	<0.01
ZZ03674		3.91	9.7	2.23	3.91	<0.05	<0.02	0.30	0.019	0.05	5.7	3.4	0.07	144	0.98	<0.01
ZZ03675		2.14	35.0	4.18	3.36	0.05	0.04	1.90	0.039	0.09	10.7	14.6	0.55	662	1.36	0.01
ZZ03676		0.93	30.0	3.45	4.04	<0.05	0.04	1.33	0.033	0.08	10.6	15.3	0.53	898	1.00	0.01
ZZ03677		0.70	24.4	2.69	3.44	<0.05	0.03	0.85	0.028	0.06	8.7	11.4	0.35	829	0.75	0.01
ZZ03678		1.53	35.5	3.52	3.66	<0.05	0.05	1.00	0.080	0.14	8.1	14.9	0.99	742	1.33	0.01
ZZ03679		1.70	36.8	3.00	3.58	<0.05	0.03	1.68	0.027	0.07	9.7	10.7	0.51	754	0.84	0.01
ZZ03680		0.84	23.5	3.24	3.56	<0.05	0.03	1.40	0.032	0.07	9.8	11.9	0.48	913	0.98	0.01
ZZ03681		0.82	22.8	3.46	3.72	0.05	0.04	1.01	0.028	0.08	9.9	12.8	0.30	970	0.92	0.01
ZZ03682		1.10	13.2	4.38	5.17	0.07	0.06	0.27	0.031	0.06	22.5	12.0	1.65	4750	0.89	0.01
ZZ03683		0.86	23.6	3.57	3.92	<0.05	0.05	1.08	0.039	0.07	10.3	14.5	0.35	669	1.26	<0.01
ZZ03684		0.85	21.0	4.61	3.56	0.05	0.06	0.99	0.030	0.07	11.0	10.3	3.41	3180	0.96	0.01
ZZ03685		1.08	16.5	3.47	4.15	0.05	0.05	0.27	0.028	0.07	13.3	14.6	1.00	774	0.69	0.01
ZZ03686		0.83	14.2	1.63	2.53	<0.05	0.04	0.27	0.018	0.04	7.6	5.2	0.16	466	0.47	0.01
ZZ03687		0.75	15.8	2.25	2.36	<0.05	0.04	0.73	0.027	0.06	9.0	6.2	0.15	303	0.55	0.01
ZZ03688		1.10	25.6	3.61	4.30	<0.05	0.04	0.52	0.034	0.08	9.6	14.6	0.30	688	0.89	0.01
ZZ03689		1.41	14.4	3.39	4.91	<0.05	0.02	0.16	0.028	0.07	6.7	18.5	0.23	675	1.11	<0.01
ZZ03591		1.05	28.9	4.03	2.20	0.05	0.06	1.14	0.027	0.08	8.0	8.1	4.00	1500	0.94	0.01
ZZ03592		0.76	21.5	3.73	4.03	0.06	0.05	0.60	0.031	0.09	11.1	11.5	1.99	938	0.86	0.01
ZZ03593		1.05	16.3	3.22	3.07	0.05	0.06	0.36	0.031	0.07	13.0	10.1	0.30	859	0.79	0.01
ZZ03594		0.95	19.1	4.25	2.78	0.05	0.05	0.66	0.036	0.07	12.1	9.5	0.44	962	0.82	0.02
ZZ03595		3.10	23.3	3.39	2.80	0.05	0.04	0.71	0.035	0.07	9.8	9.2	0.38	698	0.75	0.02
ZZ03596		1.43	17.3	2.99	2.75	<0.05	0.04	0.43	0.030	0.06	6.9	7.8	0.18	931	0.70	0.02

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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03656		0.05	36.3	180	23.4	5.8	<0.001	0.04	0.25	8.2	1.0	0.3	59.9	<0.01	0.02	7.1
ZZ03657		0.55	12.8	530	15.9	12.2	<0.001	0.07	0.91	1.8	0.2	0.4	77.3	<0.01	0.03	0.8
ZZ03658		0.45	14.0	500	20.0	9.2	<0.001	0.06	1.01	2.6	0.2	0.4	80.1	<0.01	0.04	1.4
ZZ03659		0.40	22.0	800	24.2	7.1	<0.001	0.06	2.54	3.4	0.6	0.4	64.4	<0.01	0.03	1.2
ZZ03660		0.39	14.3	920	15.7	5.9	0.001	0.15	1.36	1.1	1.1	0.3	112.5	<0.01	0.03	0.3
ZZ03661		0.31	17.1	1030	15.8	6.7	<0.001	0.15	2.87	1.1	1.2	0.3	146.0	<0.01	0.01	0.3
ZZ03662		0.44	20.4	1070	28.9	8.0	0.001	0.11	1.99	2.0	0.8	0.4	69.5	<0.01	0.04	0.5
ZZ03663		0.38	24.1	600	28.4	8.8	<0.001	0.04	3.95	4.8	1.0	0.4	28.3	<0.01	0.03	2.2
ZZ03664		0.40	24.3	750	25.3	8.9	<0.001	0.07	3.39	3.1	0.8	0.4	52.0	<0.01	0.02	0.9
ZZ03665		0.52	17.1	1100	25.2	8.9	<0.001	0.09	1.90	2.4	0.9	0.4	48.8	<0.01	0.04	0.7
ZZ03666		0.45	25.3	520	24.0	8.8	<0.001	0.05	1.25	4.7	1.0	0.5	25.5	<0.01	0.02	2.0
ZZ03667		0.51	28.4	590	25.8	8.8	<0.001	0.05	1.45	4.5	0.8	0.5	29.1	<0.01	0.04	1.7
ZZ03668		0.58	30.8	330	23.5	8.7	0.001	0.03	0.97	5.0	1.1	0.5	21.6	<0.01	0.04	2.9
ZZ03669		0.45	27.4	410	24.6	7.8	<0.001	0.04	1.29	4.4	0.8	0.5	23.5	<0.01	0.04	2.3
ZZ03670		0.79	25.9	480	21.2	10.1	<0.001	0.04	0.77	3.9	0.8	0.5	30.2	<0.01	0.04	1.8
ZZ03671		0.63	28.9	380	124.0	8.2	<0.001	0.03	0.99	4.7	0.9	0.5	22.1	<0.01	0.05	3.2
ZZ03672		0.33	21.8	280	31.3	7.4	<0.001	0.03	0.61	5.5	0.5	0.5	16.5	<0.01	0.04	3.9
ZZ03673		0.38	35.3	320	28.2	8.3	<0.001	0.02	1.44	5.4	1.1	0.5	25.8	<0.01	0.04	4.1
ZZ03674		0.57	8.0	200	12.1	13.1	<0.001	0.02	0.81	1.8	<0.2	0.5	6.5	<0.01	0.05	1.9
ZZ03675		0.50	29.7	590	27.9	9.6	<0.001	0.04	2.21	4.6	0.9	0.4	28.2	<0.01	0.05	2.7
ZZ03676		0.57	27.7	640	26.2	10.0	<0.001	0.07	3.65	4.2	0.8	0.5	33.1	<0.01	0.05	1.6
ZZ03677		0.55	22.2	750	19.2	7.8	<0.001	0.09	2.45	2.7	1.0	0.4	46.0	<0.01	0.03	0.7
ZZ03678		0.36	36.8	710	24.5	10.3	<0.001	0.04	1.77	5.0	0.8	0.5	39.4	<0.01	0.05	3.2
ZZ03679		0.50	29.9	840	23.5	10.7	<0.001	0.09	2.77	2.8	1.3	0.4	55.6	<0.01	0.03	0.7
ZZ03680		0.53	22.4	670	27.1	8.7	<0.001	0.07	2.37	3.3	0.7	0.4	48.4	<0.01	0.04	1.1
ZZ03681		0.46	24.8	550	24.5	9.2	<0.001	0.04	2.17	4.0	0.9	0.5	30.5	<0.01	0.05	1.9
ZZ03682		0.52	24.6	1180	18.2	11.4	<0.001	0.08	0.86	4.1	1.3	0.5	15.7	<0.01	0.04	1.3
ZZ03683		0.57	27.1	260	22.8	8.2	<0.001	0.02	1.08	4.6	0.3	0.5	15.0	<0.01	0.05	3.4
ZZ03684		0.33	22.8	840	22.4	9.1	<0.001	0.06	1.67	3.8	0.8	0.4	20.3	<0.01	0.04	1.6
ZZ03685		0.72	26.1	440	29.1	8.6	<0.001	0.03	0.60	4.6	0.5	0.5	25.7	<0.01	0.04	3.0
ZZ03686		0.40	15.5	1040	14.2	4.4	<0.001	0.15	0.75	1.1	0.4	0.3	122.5	<0.01	0.04	0.3
ZZ03687		0.32	17.6	660	19.3	6.1	0.001	0.07	0.64	2.2	0.8	0.3	88.7	<0.01	0.03	0.8
ZZ03688		0.49	27.0	500	26.3	9.3	<0.001	0.04	0.58	4.7	0.9	0.5	41.6	<0.01	0.04	2.6
ZZ03689		0.60	18.3	240	22.6	15.6	<0.001	0.02	1.05	2.7	0.2	0.6	20.1	<0.01	0.05	2.4
ZZ03591		0.22	26.1	670	27.8	5.8	<0.001	0.04	1.01	4.9	1.2	0.4	50.6	<0.01	0.07	3.6
ZZ03592		0.38	22.2	650	27.5	10.3	0.001	0.04	0.97	4.9	0.6	0.5	20.6	<0.01	0.05	2.2
ZZ03593		0.48	23.1	380	21.6	8.1	<0.001	0.02	0.47	4.4	0.9	0.4	15.1	<0.01	0.03	2.9
ZZ03594		0.38	21.4	650	33.6	8.0	<0.001	0.04	0.81	4.8	0.8	0.4	22.4	<0.01	0.02	2.2
ZZ03595		0.35	23.7	510	28.1	8.9	<0.001	0.04	0.72	3.8	1.0	0.5	27.8	<0.01	0.03	1.8
ZZ03596		0.37	18.5	510	25.1	8.4	0.001	0.04	0.46	3.1	0.4	0.5	35.7	<0.01	0.02	1.7

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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03656		<0.005	0.25	0.88	7	<0.05	20.1	61	2.5
ZZ03657		0.012	0.14	0.57	26	0.08	3.79	43	0.9
ZZ03658		0.008	0.36	0.84	27	0.07	5.42	56	1.2
ZZ03659		0.008	0.48	0.88	30	0.18	15.15	105	1.3
ZZ03660		0.008	0.45	2.41	20	0.07	8.54	52	1.1
ZZ03661		0.006	0.24	2.89	20	0.07	8.12	78	1.1
ZZ03662		0.010	0.30	2.14	29	0.13	12.30	125	0.9
ZZ03663		0.008	0.59	1.07	33	0.10	15.90	176	1.4
ZZ03664		0.011	1.16	1.80	29	0.11	11.70	554	0.9
ZZ03665		0.018	0.17	2.89	39	0.16	15.50	682	0.8
ZZ03666		0.008	0.17	1.43	36	0.08	14.60	477	1.2
ZZ03667		0.009	0.15	1.73	39	0.10	13.60	126	1.2
ZZ03668		0.011	0.16	0.90	41	0.11	9.73	114	1.3
ZZ03669		0.009	0.19	1.21	37	0.08	6.91	153	1.4
ZZ03670		0.021	0.12	1.27	48	0.15	10.10	102	0.9
ZZ03671		0.014	0.17	0.82	37	0.11	8.88	123	1.4
ZZ03672		0.006	0.12	0.75	19	0.06	7.50	163	0.7
ZZ03673		0.005	0.22	0.96	39	0.06	8.98	155	2.0
ZZ03674		0.008	0.22	0.38	40	0.08	1.91	60	<0.5
ZZ03675		0.010	0.24	1.07	38	0.08	12.45	143	1.1
ZZ03676		0.011	0.49	2.74	37	0.16	10.85	223	1.2
ZZ03677		0.011	0.42	4.20	32	0.07	8.65	324	1.0
ZZ03678		0.005	0.29	1.36	35	<0.05	10.65	340	1.4
ZZ03679		0.010	0.45	5.46	33	0.14	11.10	2650	0.9
ZZ03680		0.010	0.39	2.85	36	0.11	10.45	535	1.0
ZZ03681		0.008	0.37	1.70	37	0.12	10.50	142	1.0
ZZ03682		0.019	0.20	1.62	51	0.15	24.4	282	1.6
ZZ03683		0.011	0.23	1.14	40	0.10	9.00	99	1.5
ZZ03684		0.007	0.37	1.33	32	0.08	14.25	258	1.7
ZZ03685		0.023	0.16	1.27	39	0.17	8.98	84	1.3
ZZ03686		0.010	0.11	1.89	22	0.12	7.76	48	1.2
ZZ03687		0.006	0.15	1.54	21	0.06	9.77	55	1.1
ZZ03688		0.008	0.16	1.03	34	0.08	10.35	95	1.1
ZZ03689		0.007	0.20	0.44	43	0.10	2.67	72	0.6
ZZ03591		<0.005	0.26	1.42	23	0.05	11.30	417	1.8
ZZ03592		0.005	0.20	1.85	33	0.08	15.45	214	1.5
ZZ03593		0.011	0.14	0.81	29	0.10	12.05	81	1.6
ZZ03594		0.009	0.19	1.40	32	0.07	12.55	168	1.5
ZZ03595		0.009	0.16	1.28	27	0.09	11.15	123	1.2
ZZ03596		0.010	0.11	1.18	27	0.09	5.79	71	0.9



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<b>CERTIFICATE OF ANALYSIS</b> <b>WH12163464</b>
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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03597		0.24	<0.001	0.15	0.81	21.2	<0.2	<10	160	0.82	0.34	0.70	0.13	24.9	9.6	14
ZZ03598		0.20	0.001	0.07	0.62	24.5	<0.2	<10	90	0.61	0.37	0.11	0.06	12.70	6.5	11
ZZ03599		0.17	<0.001	0.07	0.96	15.0	<0.2	<10	80	0.35	0.35	0.02	0.06	11.35	8.1	17
ZZ03600		0.22	0.001	0.04	1.57	60.8	<0.2	<10	180	0.54	0.29	0.34	0.14	16.80	7.2	20
ZZ03547		0.22	0.001	0.08	1.31	63.8	<0.2	<10	210	1.13	0.34	0.40	0.09	19.55	10.6	20
ZZ03548		0.24	0.001	0.13	1.05	41.0	<0.2	<10	260	0.98	0.48	0.80	0.18	46.0	9.6	15
ZZ03552		0.21	0.001	0.06	0.62	61	<0.2	<10	170	0.47	0.08	12.40	0.98	14.90	3.2	7
ZZ03553		0.26	0.001	0.15	1.18	57.2	<0.2	<10	220	0.93	0.31	0.99	0.29	24.5	11.7	19
ZZ03554		0.18	0.002	0.16	1.21	66.8	<0.2	<10	260	0.98	0.30	1.20	0.25	34.9	12.3	19
ZZ03555		0.23	0.001	0.20	1.34	35.5	<0.2	<10	270	0.77	0.26	1.62	0.33	28.9	10.0	22
ZZ03556		0.25	0.002	0.09	1.17	62.9	<0.2	<10	210	0.87	0.31	0.25	0.95	31.3	10.0	19
ZZ03557		0.22	0.002	0.17	0.82	74.6	<0.2	<10	120	0.88	0.27	3.91	0.27	20.2	8.2	14
ZZ03558		0.17	0.001	0.15	0.99	196.5	<0.2	<10	250	1.24	0.38	0.94	0.12	19.45	8.4	14
ZZ03559		0.20	0.002	0.13	0.94	65.6	<0.2	<10	150	0.84	0.28	3.21	0.30	19.35	10.0	16
ZZ03560		0.24	0.002	0.19	1.10	69.9	<0.2	<10	220	0.96	0.27	3.49	0.19	19.55	7.2	17
ZZ03561		0.23	0.003	0.14	0.79	76.4	<0.2	<10	120	0.74	0.26	3.89	0.30	20.3	9.9	15
ZZ03562		0.20	0.002	0.20	1.16	50.2	<0.2	<10	170	0.74	0.25	1.83	0.47	21.6	9.2	20
ZZ03563		0.18	0.002	0.13	1.01	67.2	<0.2	<10	210	0.80	0.31	2.72	0.28	18.90	10.7	17
ZZ03564		0.13	0.002	0.14	0.97	46.7	<0.2	<10	190	0.68	0.22	4.23	0.98	15.90	8.3	15
ZZ03565		0.23	0.002	0.16	1.24	45.4	<0.2	<10	180	0.68	0.26	2.69	0.38	24.6	9.6	22
ZZ03566		0.29	0.001	0.13	1.29	62.4	<0.2	<10	280	0.90	0.32	0.98	0.34	23.2	11.6	23
ZZ03567		0.20	0.002	0.09	0.84	33.9	<0.2	<10	150	0.64	0.19	9.65	0.29	19.75	7.8	13
ZZ03568		0.27	0.002	0.14	1.16	72.6	<0.2	<10	230	0.93	0.32	0.74	0.41	17.30	13.2	20
ZZ03569		0.28	0.003	0.17	1.13	79.3	<0.2	<10	240	1.02	0.36	0.54	0.35	20.7	12.3	20
ZZ03570		0.17	0.003	0.15	1.06	61.0	<0.2	<10	220	0.70	0.27	0.82	0.62	20.8	9.7	20
ZZ03571		0.16	0.002	0.13	0.92	65.1	<0.2	<10	190	0.65	0.25	3.02	1.21	18.50	10.1	16
ZZ03572		0.23	0.002	0.20	1.22	54.5	<0.2	<10	300	0.76	0.29	1.40	0.61	22.9	9.6	22
ZZ03573		0.13	0.003	0.15	0.76	66.2	<0.2	<10	250	0.66	0.21	2.65	0.81	19.95	8.3	14
ZZ03574		0.15	0.003	0.10	0.75	51.8	<0.2	<10	240	0.53	0.17	5.82	0.75	16.65	8.0	12
ZZ03575		0.14	0.002	0.07	1.35	45.3	<0.2	<10	260	0.65	0.28	0.83	0.37	25.5	11.6	24
ZZ03576		0.28	0.003	0.21	1.40	55.5	<0.2	<10	300	1.03	0.32	0.80	0.53	22.9	11.1	25
ZZ03577		0.24	0.003	0.20	1.39	70.9	<0.2	<10	300	1.01	0.33	0.51	0.19	22.7	14.4	23
ZZ03578		0.31	0.002	0.15	1.48	100.5	<0.2	<10	260	1.45	0.40	1.81	0.18	22.2	19.5	23
ZZ03579		0.23	0.002	0.12	1.70	47.3	<0.2	<10	300	1.21	0.31	0.62	0.30	29.6	12.1	27
ZZ03580		0.30	0.002	0.17	1.34	61.0	<0.2	<10	360	1.12	0.36	0.79	0.53	20.4	14.0	24
ZZ03581		0.16	0.003	0.19	1.51	22.6	<0.2	<10	490	0.85	0.25	1.43	1.52	23.7	8.1	24
ZZ03582		0.32	0.003	0.13	1.09	52.6	<0.2	<10	200	0.96	0.33	3.65	0.54	18.20	13.5	18
ZZ03583		0.16	0.002	0.14	1.09	47.9	<0.2	<10	300	0.77	0.23	2.32	0.72	16.00	9.5	18
ZZ03584		0.17	0.002	0.18	1.39	45.0	<0.2	<10	320	0.90	0.32	0.64	0.26	28.4	13.2	25
ZZ03585		0.24	0.003	0.16	1.08	53.4	<0.2	<10	270	0.88	0.28	3.13	0.57	18.05	12.4	19

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



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03597		2.09	17.6	3.24	2.36	<0.05	0.04	0.36	0.033	0.05	10.6	8.4	0.18	489	0.62	0.01
ZZ03598		20.0	15.0	2.88	2.91	<0.05	<0.02	0.06	0.023	0.06	6.0	8.9	0.11	192	0.89	0.01
ZZ03599		27.0	16.5	3.87	4.08	<0.05	0.02	0.05	0.026	0.07	5.4	7.6	0.13	501	0.85	0.01
ZZ03600		1.50	11.9	4.28	4.41	<0.05	0.03	0.33	0.030	0.05	6.9	16.9	0.19	759	1.49	0.01
ZZ03547		2.07	28.8	3.95	3.64	0.06	0.08	1.00	0.036	0.07	12.5	10.5	0.25	729	1.02	0.01
ZZ03548		1.77	24.4	3.23	3.13	0.08	0.07	0.48	0.033	0.10	24.9	8.8	0.39	1920	0.74	0.01
ZZ03552		0.53	6.1	3.42	1.37	<0.05	0.03	0.38	0.012	0.02	7.6	2.9	7.18	3550	0.33	0.02
ZZ03553		0.97	26.2	3.69	3.45	<0.05	0.06	0.68	0.033	0.08	11.2	10.6	0.44	1020	1.04	0.02
ZZ03554		0.89	23.7	4.14	3.15	0.06	0.05	0.74	0.035	0.07	16.3	9.8	0.66	1620	0.96	0.02
ZZ03555		1.06	18.3	3.21	3.73	0.05	0.04	0.46	0.032	0.06	13.1	11.4	0.61	1140	0.78	0.02
ZZ03556		3.13	18.1	4.75	3.27	0.06	0.03	1.70	0.039	0.05	12.5	8.3	0.12	1630	1.01	0.01
ZZ03557		1.08	23.1	3.57	2.08	0.05	0.06	0.81	0.027	0.06	11.4	6.8	2.12	785	0.79	0.02
ZZ03558		2.60	21.7	3.77	2.55	<0.05	0.06	1.37	0.040	0.06	9.7	7.3	0.14	544	0.65	0.02
ZZ03559		3.04	25.6	3.40	2.75	<0.05	0.05	0.91	0.033	0.08	8.5	10.0	1.62	847	0.84	0.02
ZZ03560		1.12	19.7	3.56	2.71	0.06	0.06	1.29	0.034	0.06	13.2	9.2	1.76	613	0.70	0.02
ZZ03561		1.03	24.6	3.44	2.36	0.06	0.05	1.58	0.031	0.07	9.8	8.6	2.10	889	0.81	0.02
ZZ03562		0.76	26.8	3.43	3.18	0.05	0.03	0.54	0.028	0.07	11.9	10.2	0.73	837	0.78	0.02
ZZ03563		1.08	27.1	3.76	3.19	0.05	0.05	0.79	0.032	0.07	9.5	10.2	1.37	875	0.94	0.02
ZZ03564		0.79	21.3	2.75	2.69	<0.05	0.03	0.76	0.025	0.07	7.3	8.4	1.55	823	0.70	0.02
ZZ03565		0.85	21.3	3.34	3.65	0.05	0.05	0.51	0.030	0.08	11.7	12.8	1.59	798	1.04	0.02
ZZ03566		0.83	25.0	4.06	3.72	0.05	0.06	0.63	0.033	0.10	12.5	13.1	0.55	819	1.11	0.02
ZZ03567		0.86	18.2	2.71	2.42	0.05	0.04	0.64	0.023	0.07	9.4	8.7	5.45	1210	0.77	0.03
ZZ03568		0.99	34.6	3.82	3.55	<0.05	0.07	1.14	0.032	0.10	7.1	13.4	0.41	676	1.42	0.01
ZZ03569		1.13	34.6	4.17	3.61	0.05	0.06	1.08	0.038	0.09	9.6	13.5	0.34	784	1.49	0.01
ZZ03570		0.72	23.1	3.41	3.24	<0.05	0.05	6.07	0.033	0.07	9.4	10.8	0.32	743	0.95	0.01
ZZ03571		0.70	28.6	3.52	2.79	<0.05	0.05	0.87	0.031	0.07	8.3	9.8	1.64	890	0.89	0.02
ZZ03572		0.98	31.9	3.50	3.56	0.05	0.04	0.73	0.032	0.07	11.3	12.0	0.71	790	1.01	0.02
ZZ03573		0.77	19.6	3.52	2.08	0.05	0.04	0.84	0.030	0.06	9.1	6.8	1.08	1350	1.10	0.02
ZZ03574		0.62	17.3	2.73	2.02	<0.05	0.03	2.85	0.023	0.07	6.9	7.0	2.97	1410	0.75	0.02
ZZ03575		0.93	18.6	3.70	4.19	<0.05	0.04	0.23	0.033	0.06	8.6	15.5	0.40	1080	0.98	0.02
ZZ03576		1.17	34.4	3.99	4.12	0.06	0.05	1.69	0.041	0.11	12.0	20.5	0.48	861	0.91	0.02
ZZ03577		0.92	29.1	4.22	3.80	0.05	0.08	1.01	0.038	0.09	12.2	12.8	0.35	910	1.19	0.01
ZZ03578		1.39	39.9	4.48	4.41	0.07	0.07	0.99	0.042	0.11	10.3	16.9	1.10	1100	1.45	0.02
ZZ03579		1.27	27.7	4.04	4.57	0.06	0.04	0.50	0.039	0.08	14.6	18.1	0.48	839	1.21	0.02
ZZ03580		1.41	37.6	4.32	3.95	0.06	0.05	0.76	0.038	0.13	9.4	17.7	0.58	993	1.45	0.02
ZZ03581		1.29	26.4	2.95	4.09	0.05	0.07	0.50	0.031	0.06	11.0	13.5	0.33	541	0.67	0.02
ZZ03582		1.60	34.8	3.55	3.16	0.05	0.05	0.66	0.035	0.12	8.0	14.3	2.06	944	1.20	0.02
ZZ03583		0.87	24.7	3.17	2.97	<0.05	0.04	0.61	0.029	0.09	7.6	12.1	0.85	793	0.97	0.02
ZZ03584		0.83	29.3	4.17	4.07	0.07	0.05	0.37	0.037	0.09	13.0	17.4	0.47	967	1.36	0.02
ZZ03585		1.65	36.6	3.48	2.96	0.05	0.05	0.94	0.036	0.11	7.9	13.2	1.50	866	1.20	0.02



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03597		0.37	25.5	410	27.7	6.7	0.001	0.03	0.35	4.0	0.7	0.5	36.9	<0.01	0.01	3.1
ZZ03598		0.64	18.2	210	22.9	14.9	<0.001	0.01	0.39	2.0	<0.2	0.5	12.1	<0.01	0.04	1.7
ZZ03599		0.80	14.1	260	13.5	14.7	<0.001	0.01	0.31	2.3	0.3	0.7	6.2	<0.01	0.04	2.5
ZZ03600		0.66	15.5	290	28.5	10.3	0.001	0.01	0.67	2.4	0.5	0.6	13.0	<0.01	0.05	3.2
ZZ03547		0.31	26.7	300	27.3	10.5	<0.001	0.02	0.74	5.7	0.8	0.6	17.8	<0.01	0.03	4.0
ZZ03548		0.28	24.2	320	24.3	9.3	<0.001	0.01	0.61	6.1	0.8	0.5	16.5	<0.01	0.27	4.4
ZZ03552		0.16	8.3	850	8.7	4.6	0.001	0.04	0.38	1.2	0.6	0.2	36.9	<0.01	0.03	0.4
ZZ03553		0.42	26.8	490	28.6	8.5	<0.001	0.03	0.83	4.1	0.8	0.5	22.2	<0.01	0.05	2.4
ZZ03554		0.40	27.0	490	29.1	8.2	0.001	0.03	0.87	5.6	1.4	0.4	22.6	<0.01	0.04	3.2
ZZ03555		0.54	23.1	880	20.5	7.3	<0.001	0.06	0.66	3.0	1.0	0.5	33.1	<0.01	0.03	1.3
ZZ03556		0.53	20.4	620	34.8	12.8	<0.001	0.03	0.69	4.2	0.8	0.5	14.4	<0.01	0.05	2.7
ZZ03557		0.26	22.3	740	31.6	5.4	0.001	0.03	0.90	5.4	0.9	0.4	29.6	<0.01	0.04	3.0
ZZ03558		0.28	26.6	550	26.4	8.7	0.001	0.04	0.37	5.9	0.9	0.5	51.5	<0.01	0.03	2.5
ZZ03559		0.32	26.2	710	26.8	12.1	0.001	0.03	0.83	4.2	1.2	0.4	38.0	<0.01	0.06	2.2
ZZ03560		0.27	21.6	620	30.5	8.5	0.001	0.03	0.93	6.3	1.3	0.5	34.2	<0.01	0.04	3.1
ZZ03561		0.29	23.5	640	32.5	6.2	0.001	0.03	1.02	4.5	0.9	0.4	33.4	<0.01	0.03	2.9
ZZ03562		0.45	25.6	770	23.4	6.4	0.001	0.05	0.84	3.0	1.0	0.4	31.5	<0.01	0.03	1.1
ZZ03563		0.38	26.1	520	31.8	7.7	<0.001	0.03	0.86	4.4	1.0	0.5	33.9	<0.01	0.04	2.5
ZZ03564		0.37	20.2	630	21.1	6.5	<0.001	0.06	0.88	2.5	0.8	0.4	57.5	<0.01	0.03	0.9
ZZ03565		0.64	26.2	530	21.6	8.1	0.001	0.03	0.92	4.1	0.8	0.5	18.1	<0.01	0.03	2.3
ZZ03566		0.56	27.8	370	28.9	8.6	<0.001	0.02	0.73	5.5	1.0	0.5	20.1	<0.01	0.03	3.5
ZZ03567		0.32	19.8	680	17.4	6.3	0.001	0.02	0.79	3.7	0.9	0.4	33.4	<0.01	0.03	2.2
ZZ03568		0.46	33.5	320	28.2	7.9	0.001	0.02	1.78	4.8	1.1	0.5	18.4	<0.01	0.05	3.5
ZZ03569		0.49	33.7	540	27.0	7.7	0.001	0.01	1.15	5.3	0.9	0.6	21.6	<0.01	0.04	4.3
ZZ03570		0.50	25.1	480	25.9	7.3	0.001	0.03	1.17	3.7	1.1	0.5	23.9	<0.01	0.03	2.2
ZZ03571		0.38	24.3	470	26.6	5.7	<0.001	0.03	1.22	3.9	1.0	0.4	26.2	<0.01	0.03	2.4
ZZ03572		0.55	28.7	630	26.2	7.8	0.001	0.03	1.53	3.9	1.3	0.5	27.7	<0.01	0.04	1.8
ZZ03573		0.23	19.6	740	29.8	6.3	0.001	0.05	1.37	3.6	1.1	0.4	29.5	<0.01	0.03	1.5
ZZ03574		0.27	17.2	600	24.4	6.4	<0.001	0.06	1.22	2.6	0.7	0.3	41.4	<0.01	0.04	1.1
ZZ03575		0.65	23.3	550	22.5	9.4	0.001	0.04	0.76	3.0	0.5	0.5	21.4	<0.01	0.04	1.9
ZZ03576		0.52	30.2	770	26.7	10.5	<0.001	0.03	0.86	5.3	1.0	0.6	29.3	<0.01	0.02	2.7
ZZ03577		0.42	31.4	320	39.7	8.2	0.001	0.02	0.83	6.2	0.9	0.6	15.3	<0.01	0.03	5.0
ZZ03578		0.28	40.0	390	35.5	10.0	<0.001	0.03	1.37	7.7	1.0	0.7	22.4	<0.01	0.03	5.4
ZZ03579		0.64	28.2	570	25.6	10.0	<0.001	0.02	1.12	5.4	0.9	0.6	18.1	<0.01	0.03	3.9
ZZ03580		0.36	31.5	830	30.2	9.7	0.001	0.02	1.72	5.9	1.1	0.6	21.6	<0.01	0.05	4.4
ZZ03581		0.75	21.1	1250	21.8	10.7	0.001	0.13	1.56	3.8	1.0	0.5	41.1	<0.01	0.01	1.7
ZZ03582		0.39	29.8	730	27.5	8.3	0.001	0.03	1.47	4.6	0.6	0.5	35.1	<0.01	0.05	3.4
ZZ03583		0.42	21.4	680	23.1	7.7	0.001	0.06	1.71	3.2	0.8	0.5	32.6	<0.01	0.03	1.2
ZZ03584		0.63	31.1	390	26.1	7.1	<0.001	0.03	1.84	4.9	1.0	0.7	22.5	<0.01	0.05	3.0
ZZ03585		0.44	26.0	660	28.5	10.0	0.001	0.04	2.02	5.1	0.7	0.5	40.5	<0.01	0.04	2.3

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03597		0.008	0.12	0.79	23	0.09	9.45	73	1.0
ZZ03598		0.013	0.12	0.43	34	0.09	2.54	65	<0.5
ZZ03599		0.011	0.13	0.40	33	0.11	1.99	60	0.6
ZZ03600		0.007	0.19	0.67	46	0.14	2.29	113	1.0
ZZ03547		<0.005	0.20	1.04	31	0.06	13.30	110	2.2
ZZ03548		0.005	0.15	0.64	25	0.06	14.30	81	1.6
ZZ03552		0.009	0.08	1.70	13	0.06	8.87	239	0.7
ZZ03553		0.008	0.14	1.08	33	0.11	9.29	116	1.6
ZZ03554		0.008	0.17	1.13	31	0.10	15.80	122	1.5
ZZ03555		0.017	0.11	1.02	36	0.16	10.15	83	1.1
ZZ03556		0.010	0.19	0.96	36	0.11	11.70	218	0.9
ZZ03557		0.005	0.17	1.15	23	0.10	15.10	136	1.7
ZZ03558		0.005	0.21	0.75	23	0.09	13.80	99	1.3
ZZ03559		0.008	0.20	0.97	25	0.06	11.15	137	1.4
ZZ03560		<0.005	0.20	1.17	24	0.06	18.05	121	1.5
ZZ03561		0.007	0.24	1.03	24	0.05	13.10	128	1.5
ZZ03562		0.013	0.13	1.15	32	0.11	12.80	120	0.9
ZZ03563		0.008	0.20	1.37	28	0.10	12.00	136	1.3
ZZ03564		0.007	0.17	1.95	25	0.07	8.64	454	1.0
ZZ03565		0.018	0.17	1.27	35	0.12	9.81	155	1.3
ZZ03566		0.011	0.19	0.86	38	0.10	13.70	142	1.7
ZZ03567		0.007	0.17	1.61	24	0.05	9.49	100	1.2
ZZ03568		0.006	0.36	0.79	35	0.05	9.32	138	2.0
ZZ03569		0.008	0.31	1.15	36	0.06	12.15	136	2.0
ZZ03570		0.013	0.18	1.94	32	0.11	8.13	191	1.2
ZZ03571		0.008	0.20	1.35	27	0.06	9.19	471	1.4
ZZ03572		0.016	0.23	3.35	36	0.13	11.45	255	1.2
ZZ03573		0.006	0.19	2.51	28	0.07	10.10	295	0.9
ZZ03574		0.007	0.17	2.58	21	0.05	7.72	460	0.9
ZZ03575		0.018	0.16	1.30	39	0.16	4.90	132	1.0
ZZ03576		0.012	0.20	1.17	34	0.09	13.25	153	1.4
ZZ03577		0.005	0.21	1.05	35	0.06	13.05	119	2.5
ZZ03578		0.005	0.27	0.95	34	0.07	16.00	145	2.7
ZZ03579		0.011	0.20	1.41	44	0.12	12.40	109	1.4
ZZ03580		0.008	0.26	1.09	40	0.10	13.00	175	2.0
ZZ03581		0.012	0.17	8.19	42	0.12	10.25	287	2.1
ZZ03582		0.007	0.23	1.50	32	0.06	10.35	160	1.7
ZZ03583		0.008	0.20	1.61	31	0.09	8.93	178	1.2
ZZ03584		0.016	0.20	1.34	41	0.14	13.20	134	1.6
ZZ03585		0.009	0.26	1.53	31	0.08	10.30	283	1.5





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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03586		0.16	0.003	0.15	1.19	50.1	<0.2	<10	300	1.01	0.26	1.52	1.03	17.50	11.0	19
ZZ03587		0.25	0.004	0.15	1.28	45.1	<0.2	<10	280	0.87	0.25	2.28	0.43	23.5	10.0	21
ZZ03588		0.14	0.002	0.10	0.79	71.3	<0.2	<10	190	0.63	0.20	4.17	0.66	15.30	7.7	13
ZZ03589		0.21	0.003	0.19	1.13	62.4	<0.2	<10	270	0.86	0.26	3.98	1.99	19.55	9.1	19
CC160196		0.21	0.002	0.21	0.77	29.3	<0.2	<10	150	0.87	0.23	1.38	0.30	22.3	8.5	13
CC160197		0.15	0.002	0.19	0.45	25.4	<0.2	<10	90	0.61	0.22	1.60	0.18	21.6	7.7	9
CC160198		0.21	0.002	0.21	0.94	64.4	<0.2	<10	140	0.91	0.22	3.85	0.48	24.5	7.9	16
CC160199		0.20	0.002	0.11	0.69	67	<0.2	<10	80	0.52	0.13	10.20	0.65	14.55	4.6	12
CC160200		0.17	0.002	0.14	1.10	37.6	<0.2	<10	190	0.81	0.25	3.93	0.53	16.35	8.4	17



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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03586		1.19	28.3	3.20	3.36	0.05	0.05	0.53	0.030	0.09	7.7	12.8	0.32	696	0.97	0.02
ZZ03587		1.24	22.5	3.56	3.56	<0.05	0.05	1.59	0.032	0.09	11.0	14.4	1.25	1130	1.18	0.02
ZZ03588		3.51	16.9	2.83	2.12	<0.05	0.04	3.83	0.027	0.07	6.7	8.5	1.82	915	0.73	0.02
ZZ03589		1.38	25.0	3.66	2.95	0.05	0.05	0.75	0.030	0.10	9.9	11.6	2.20	1050	1.04	0.02
CC160196		2.17	20.0	2.72	2.13	0.05	0.05	0.89	0.031	0.08	9.2	8.0	0.17	462	0.69	0.02
CC160197		2.95	15.1	2.43	1.29	<0.05	0.04	1.06	0.027	0.07	7.9	4.1	0.12	229	0.48	0.01
CC160198		1.33	18.4	3.06	2.47	0.05	0.08	1.29	0.026	0.08	10.8	9.8	0.84	703	0.74	0.02
CC160199		1.11	11.2	2.03	1.64	<0.05	0.04	3.51	0.017	0.06	6.3	6.8	6.25	944	0.52	0.02
CC160200		1.04	19.8	3.05	2.91	0.05	0.04	0.77	0.029	0.09	7.5	11.4	1.98	1080	0.80	0.02

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**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03586		0.44	23.3	630	22.8	9.0	0.001	0.06	1.52	3.5	1.1	0.5	41.4	<0.01	0.04	1.3
ZZ03587		0.54	24.6	470	22.8	9.6	0.001	0.03	1.35	4.3	0.6	0.6	33.3	<0.01	0.03	2.2
ZZ03588		0.31	16.7	540	20.9	9.2	<0.001	0.06	1.24	2.6	0.9	0.4	54.9	<0.01	0.01	1.1
ZZ03589		0.43	22.3	630	29.7	8.5	<0.001	0.04	1.33	4.1	0.6	0.5	35.0	<0.01	0.03	2.0
CC160196		0.26	23.0	690	25.0	6.3	0.001	0.04	0.96	4.2	0.9	0.4	51.2	<0.01	0.03	2.9
CC160197		0.13	21.6	500	33.2	5.1	<0.001	0.05	0.73	3.4	0.8	0.3	55.9	<0.01	0.02	2.2
CC160198		0.23	22.4	1560	64.3	5.3	<0.001	0.07	3.29	2.7	0.7	0.5	120.0	<0.01	0.03	1.4
CC160199		0.18	12.9	980	29.9	4.7	<0.001	0.05	18.60	1.6	0.3	0.3	48.9	<0.01	0.03	0.9
CC160200		0.32	18.8	900	28.2	5.7	<0.001	0.08	4.30	2.3	0.9	0.5	28.8	<0.01	0.03	0.9

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12163464**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03586		0.007	0.19	2.30	32	0.09	8.85	690	1.4
ZZ03587		0.013	0.19	1.29	36	0.14	10.15	155	1.3
ZZ03588		0.007	0.23	1.89	21	0.06	7.40	316	1.1
ZZ03589		0.009	0.28	1.31	32	0.08	12.00	2110	1.3
CC160196		0.005	0.11	0.60	21	0.05	11.05	137	1.8
CC160197		<0.005	0.10	0.55	11	<0.05	10.90	81	1.5
CC160198		0.005	0.17	1.48	24	0.08	12.30	216	2.1
CC160199		0.006	0.31	1.06	18	0.07	6.71	448	1.2
CC160200		0.006	0.20	1.48	28	0.07	9.19	189	1.3

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**CERTIFICATE OF ANALYSIS WH12163464**

<b>CERTIFICATE COMMENTS</b>	
Applies to Method:	



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To: **STRATEGIC METALS LTD.**  
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**CERTIFICATE WH12163465**

Project: Crag East 3  
 P.O. No.:  
 This report is for 197 Soil samples submitted to our lab in Whitehorse, YT, Canada on 13- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

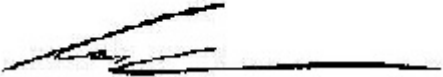
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03601		0.17	0.001	0.12	1.21	62.7	<0.2	<10	160	0.69	0.22	2.86	0.79	24.3	8.4	20
ZZ03602		0.16	0.001	0.14	0.73	32.4	<0.2	<10	180	0.67	0.19	1.78	0.36	16.15	7.3	13
ZZ03603		0.13	0.001	0.16	1.24	64.7	<0.2	<10	190	0.82	0.24	1.37	0.33	17.20	9.4	20
ZZ03604		0.22	<0.001	0.15	1.04	41.4	<0.2	<10	160	0.78	0.18	5.53	0.57	14.95	7.1	15
ZZ03605		0.20	<0.001	0.14	1.06	48.1	<0.2	<10	200	0.74	0.20	5.22	0.39	16.60	8.9	16
ZZ03606		0.19	<0.001	0.15	1.22	30.7	<0.2	<10	210	1.09	0.26	2.18	0.36	31.1	9.6	19
ZZ03607		0.20	0.001	0.13	1.27	48.7	<0.2	<10	170	0.79	0.26	0.52	0.57	23.1	9.3	20
ZZ03608		0.20	0.001	0.07	1.63	55.9	<0.2	<10	280	1.04	0.30	0.15	0.20	28.2	11.3	23
ZZ03609		0.15	<0.001	0.13	1.08	62.9	<0.2	<10	170	0.72	0.22	2.94	0.46	16.05	7.0	17
ZZ03610		0.20	0.001	0.12	1.17	62.0	<0.2	<10	220	0.81	0.28	0.49	0.33	24.6	11.1	23
ZZ03611		0.22	0.001	0.06	1.33	34.6	<0.2	<10	230	0.68	0.26	0.43	0.26	24.6	9.9	23
ZZ03612		0.11	0.001	0.16	1.27	56.6	<0.2	<10	250	0.84	0.23	1.58	0.99	19.85	9.5	20
ZZ03613		0.20	0.002	0.15	1.46	38.6	<0.2	<10	320	0.81	0.29	0.90	0.52	19.70	11.7	25
ZZ03614		0.19	0.001	0.11	1.29	35.7	<0.2	<10	350	0.83	0.25	0.98	0.40	19.25	10.4	21
ZZ03615		0.16	0.001	0.14	0.86	29.3	<0.2	<10	190	0.77	0.22	1.19	0.40	17.05	8.0	14
ZZ03616		0.17	0.002	0.08	0.91	22.1	<0.2	<10	300	0.93	0.27	0.71	0.20	33.8	8.5	14
ZZ03617		0.25	0.003	0.26	0.98	27.1	<0.2	<10	160	0.94	0.27	0.72	0.29	26.1	10.0	20
ZZ03618		0.23	0.001	0.10	1.36	39.2	<0.2	<10	230	0.97	0.33	0.13	0.17	18.25	10.6	22
ZZ03619		0.20	<0.001	0.03	0.46	27.2	<0.2	<10	60	0.12	0.24	0.03	0.09	16.35	3.5	11
ZZ03620		0.18	0.002	0.20	0.85	41.0	<0.2	<10	120	0.72	0.26	1.31	0.27	17.15	11.6	16
ZZ03621		0.21	0.002	0.16	1.10	46.0	<0.2	<10	200	0.76	0.25	0.86	0.42	21.4	12.4	21
ZZ03622		0.26	0.003	0.21	0.99	126.0	<0.2	<10	230	0.83	0.28	0.67	0.54	21.3	11.6	19
ZZ03623		0.25	0.001	0.12	0.87	44.2	<0.2	<10	190	0.74	0.23	0.69	0.30	17.20	11.7	15
ZZ03624		0.21	0.001	0.21	0.77	84.4	<0.2	<10	130	0.72	0.21	3.71	0.56	22.6	9.3	14
ZZ03625		0.22	0.002	0.15	0.98	77.3	<0.2	<10	150	0.72	0.24	0.69	0.39	20.5	11.6	18
ZZ03626		0.13	0.005	0.18	0.84	52.7	<0.2	<10	130	0.72	0.19	2.31	0.36	23.4	9.5	16
ZZ03627		0.17	0.004	0.16	0.86	50.9	<0.2	<10	160	0.70	0.19	2.62	0.52	15.15	7.5	15
ZZ03628		0.12	0.002	0.19	1.15	57.2	<0.2	<10	200	0.69	0.21	1.89	0.66	17.65	11.0	19
ZZ03629		0.27	0.001	0.14	0.72	66.4	<0.2	<10	120	0.84	0.30	0.45	0.31	17.10	12.3	14
ZZ03630		0.21	0.001	0.18	1.05	70.1	<0.2	<10	210	0.68	0.22	1.70	0.59	15.45	10.1	16
ZZ03631		0.19	0.001	0.17	1.00	56.6	<0.2	<10	240	0.78	0.23	1.60	0.41	15.95	10.2	16
ZZ03632		0.24	<0.001	0.15	0.66	49.0	<0.2	<10	200	0.64	0.21	1.63	0.28	14.30	9.3	12
ZZ03633		0.21	<0.001	0.15	0.68	52.5	<0.2	<10	180	0.71	0.25	1.64	0.34	16.50	10.1	12
ZZ03634		0.28	0.002	0.17	0.92	48.2	<0.2	<10	250	0.75	0.26	1.32	0.34	19.55	11.5	17
ZZ03635		0.20	0.001	0.15	0.94	26.1	<0.2	<10	280	0.72	0.21	1.35	0.22	19.15	10.0	15
ZZ03636		0.21	0.002	0.13	0.96	25.8	<0.2	<10	310	0.82	0.27	1.28	0.27	19.15	11.1	14
ZZ03637		0.26	0.001	0.15	1.06	22.6	<0.2	<10	380	0.77	0.24	1.04	0.46	22.3	11.9	18
ZZ03638		0.23	0.002	0.34	0.41	61.0	<0.2	<10	30	0.16	0.28	0.02	0.05	6.78	5.3	8
ZZ03639		0.24	0.003	0.30	1.29	36.7	<0.2	<10	400	0.84	0.24	0.84	0.49	20.5	12.5	24
ZZ03640		0.21	<0.001	0.20	1.15	32.5	<0.2	<10	290	0.84	0.24	0.88	0.60	23.1	14.0	20



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03601		0.85	15.2	3.24	3.12	<0.05	0.02	0.54	0.028	0.06	9.7	10.6	1.46	1240	0.97	0.02
ZZ03602		1.88	15.8	2.39	1.99	<0.05	0.05	0.61	0.024	0.06	6.5	6.6	0.36	582	0.62	0.01
ZZ03603		1.91	18.3	3.19	3.46	0.05	0.05	1.12	0.032	0.06	7.5	10.0	0.26	694	0.79	0.02
ZZ03604		0.90	17.8	2.75	2.68	<0.05	0.03	0.57	0.026	0.06	7.0	8.5	3.24	1070	0.77	0.02
ZZ03605		1.03	15.6	2.97	2.91	<0.05	0.05	0.53	0.026	0.07	6.9	12.3	3.29	1180	0.91	0.02
ZZ03606		1.78	20.0	3.20	3.09	0.06	0.05	0.52	0.037	0.08	14.6	11.1	0.22	672	0.72	0.02
ZZ03607		1.32	17.9	3.84	3.73	0.05	0.05	0.61	0.033	0.06	10.9	14.0	0.26	688	1.12	0.01
ZZ03608		2.73	18.7	4.02	3.99	<0.05	0.04	0.98	0.041	0.06	8.3	17.1	0.27	613	1.07	0.01
ZZ03609		0.81	18.7	3.28	2.99	<0.05	0.05	1.03	0.028	0.06	8.1	10.1	1.28	659	0.76	0.02
ZZ03610		1.45	19.7	3.66	3.64	<0.05	0.04	0.70	0.033	0.07	9.6	14.1	0.35	919	0.96	0.01
ZZ03611		0.87	12.4	3.50	4.08	<0.05	0.04	0.50	0.030	0.06	9.2	14.2	0.32	826	0.96	0.01
ZZ03612		1.32	23.2	3.06	3.60	<0.05	0.05	0.76	0.032	0.07	9.0	13.2	0.35	695	0.83	0.02
ZZ03613		0.93	21.9	3.59	4.45	<0.05	0.04	0.37	0.033	0.07	8.0	16.6	0.40	848	1.35	0.01
ZZ03614		0.79	17.7	3.41	3.79	<0.05	0.04	0.50	0.034	0.06	8.1	12.8	0.31	857	0.93	0.01
ZZ03615		1.39	17.7	2.87	2.52	0.05	0.04	0.52	0.028	0.06	7.0	10.0	0.23	399	0.72	0.02
ZZ03616		1.28	14.8	3.66	2.48	<0.05	0.03	0.74	0.036	0.05	9.0	9.4	0.16	773	0.70	0.01
ZZ03617		0.95	34.5	3.72	3.07	0.06	0.07	0.65	0.034	0.08	13.1	16.0	0.43	505	1.12	0.02
ZZ03618		1.32	24.4	4.11	4.04	<0.05	0.03	0.55	0.040	0.06	7.6	21.9	0.30	395	1.00	0.01
ZZ03619		1.55	14.4	1.66	3.46	<0.05	<0.02	0.45	0.017	0.04	7.7	1.8	0.03	72	1.41	0.01
ZZ03620		2.18	24.3	2.96	2.80	0.08	0.07	0.84	0.033	0.06	6.9	10.9	0.19	268	0.67	<0.01
ZZ03621		1.25	25.6	3.32	3.52	0.10	0.06	0.80	0.031	0.08	9.6	14.6	0.38	515	1.14	0.01
ZZ03622		1.67	31.5	3.96	3.18	0.12	0.07	2.74	0.034	0.07	10.7	11.9	0.42	759	1.18	<0.01
ZZ03623		1.45	19.6	3.41	2.63	0.09	0.06	0.55	0.030	0.07	7.1	10.2	0.23	515	0.92	<0.01
ZZ03624		1.94	21.1	2.64	2.42	0.09	0.06	1.13	0.026	0.07	10.1	6.9	0.57	686	0.73	0.01
ZZ03625		1.07	23.3	3.50	3.04	0.10	0.07	1.04	0.028	0.06	9.2	11.1	0.34	940	0.96	0.01
ZZ03626		3.79	14.9	2.50	2.52	0.08	0.06	1.33	0.028	0.06	10.0	7.1	0.37	542	0.54	0.01
ZZ03627		0.74	19.8	2.74	2.50	0.08	0.07	0.83	0.027	0.08	7.3	8.2	0.69	496	0.74	0.01
ZZ03628		2.06	22.6	2.74	3.54	0.08	0.07	0.77	0.028	0.07	7.9	12.7	0.38	750	0.68	0.01
ZZ03629		1.75	32.3	3.47	2.45	0.10	0.08	1.23	0.032	0.06	8.1	9.3	0.23	460	0.93	<0.01
ZZ03630		1.41	22.9	2.79	3.23	0.08	0.06	0.73	0.027	0.06	6.7	9.9	0.31	679	0.76	0.01
ZZ03631		1.34	20.5	2.79	3.04	0.08	0.06	0.64	0.030	0.07	6.9	10.3	0.34	516	0.74	0.01
ZZ03632		1.69	20.5	2.61	2.04	0.07	0.06	0.83	0.027	0.05	6.0	5.7	0.25	453	0.68	0.01
ZZ03633		1.35	22.8	2.72	2.15	0.07	0.05	0.98	0.029	0.06	7.2	7.0	0.27	487	0.65	0.01
ZZ03634		1.18	26.8	3.16	2.96	0.09	0.06	0.79	0.030	0.07	8.5	11.0	0.39	485	0.92	0.01
ZZ03635		0.97	20.1	2.78	2.93	0.08	0.05	0.70	0.028	0.06	8.1	10.7	0.19	517	0.64	<0.01
ZZ03636		0.98	19.8	2.89	2.74	0.08	0.06	0.43	0.028	0.07	7.9	9.9	0.20	495	0.71	0.01
ZZ03637		0.82	22.6	3.12	3.31	0.10	0.05	0.36	0.032	0.07	9.4	14.9	0.30	569	0.79	0.01
ZZ03638		2.67	18.9	3.40	3.05	0.06	0.02	0.53	0.027	0.04	3.4	1.8	0.02	114	4.66	<0.01
ZZ03639		1.04	30.8	3.22	4.16	0.10	0.07	0.57	0.032	0.08	10.7	19.9	0.40	349	1.52	0.01
ZZ03640		1.18	28.0	3.80	3.63	0.11	0.06	0.38	0.034	0.08	9.6	19.3	0.36	507	1.48	<0.01

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





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**CERTIFICATE OF ANALYSIS WH12163465**

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03601		0.38	16.9	790	20.4	6.8	<0.001	0.06	2.39	2.1	0.5	0.5	22.0	<0.01	0.03	0.7
ZZ03602		0.23	16.7	770	19.7	6.7	<0.001	0.08	1.53	2.1	0.7	0.4	32.0	<0.01	0.01	0.9
ZZ03603		0.38	19.8	930	32.4	9.1	<0.001	0.09	1.76	3.0	0.7	0.6	37.9	<0.01	0.04	1.0
ZZ03604		0.31	16.6	960	19.2	6.3	<0.001	0.07	1.80	1.9	0.7	0.4	32.2	<0.01	0.03	0.5
ZZ03605		0.36	20.0	480	21.1	7.9	<0.001	0.03	1.97	3.2	0.2	0.5	26.8	<0.01	0.05	1.8
ZZ03606		0.33	21.7	700	24.1	8.7	<0.001	0.05	0.84	4.4	1.0	0.6	47.8	<0.01	0.04	2.0
ZZ03607		0.62	19.7	480	26.6	12.5	<0.001	0.03	1.47	4.4	0.6	0.6	17.6	<0.01	0.04	3.2
ZZ03608		0.51	23.5	340	41.7	10.7	<0.001	0.02	60.6	3.9	0.5	0.6	12.6	<0.01	0.03	3.4
ZZ03609		0.35	17.1	690	26.7	7.4	<0.001	0.05	1.98	3.0	0.7	0.5	28.5	<0.01	0.04	1.3
ZZ03610		0.40	22.2	390	29.4	8.4	0.001	0.02	1.93	4.3	0.5	0.5	14.8	<0.01	0.03	2.4
ZZ03611		0.64	17.5	360	23.3	9.1	<0.001	0.02	0.96	3.5	0.4	0.6	13.6	<0.01	0.02	3.0
ZZ03612		0.52	20.0	900	27.7	9.4	0.001	0.08	1.53	3.1	1.1	0.5	39.3	<0.01	0.05	1.0
ZZ03613		0.58	23.3	470	25.7	8.9	<0.001	0.03	0.99	3.9	0.2	0.6	27.3	<0.01	0.03	1.8
ZZ03614		0.45	17.9	560	22.1	7.8	<0.001	0.04	0.70	3.3	0.5	0.5	27.2	<0.01	0.03	1.5
ZZ03615		0.34	18.2	580	21.2	7.8	<0.001	0.06	0.81	3.1	0.8	0.4	37.3	<0.01	0.01	1.4
ZZ03616		0.36	18.3	380	25.3	6.4	0.001	0.03	0.64	3.6	0.5	0.4	30.8	<0.01	0.01	3.4
ZZ03617		0.41	28.9	780	22.5	6.9	<0.001	0.02	0.95	5.8	0.7	0.5	32.2	<0.01	0.04	4.7
ZZ03618		0.42	22.6	220	20.9	10.1	0.001	0.01	0.87	4.1	0.6	0.6	11.6	<0.01	0.04	3.2
ZZ03619		0.50	9.4	220	9.0	7.1	<0.001	0.01	0.87	1.6	<0.2	0.6	7.9	<0.01	0.03	2.0
ZZ03620		0.41	22.9	600	26.5	6.2	<0.001	0.05	1.43	4.4	1.1	0.4	47.1	<0.01	0.03	2.2
ZZ03621		0.58	27.8	660	22.8	7.7	<0.001	0.03	1.22	4.6	0.9	0.4	30.7	<0.01	0.04	2.3
ZZ03622		0.48	29.0	520	30.9	7.9	<0.001	0.02	3.50	5.6	1.0	0.4	20.0	0.01	0.05	3.2
ZZ03623		0.33	22.0	450	22.6	7.6	<0.001	0.03	0.97	3.5	0.8	0.4	24.9	<0.01	0.04	2.2
ZZ03624		0.34	21.4	710	44.8	6.6	<0.001	0.05	3.38	3.7	1.0	0.3	121.5	<0.01	0.04	1.5
ZZ03625		0.42	24.0	360	32.6	6.3	<0.001	0.03	2.50	4.0	0.7	0.4	17.7	0.01	0.04	2.2
ZZ03626		0.33	18.4	860	43.9	6.4	<0.001	0.09	1.86	2.5	1.0	0.3	67.4	<0.01	0.04	0.8
ZZ03627		0.30	19.1	1150	31.5	5.4	<0.001	0.10	1.92	2.3	1.0	0.3	55.8	<0.01	0.04	0.8
ZZ03628		0.59	21.6	800	27.5	8.0	<0.001	0.08	2.44	3.1	1.0	0.4	46.4	<0.01	0.05	1.0
ZZ03629		0.35	28.2	320	31.1	5.9	<0.001	0.02	3.77	5.3	0.8	0.4	17.7	0.01	0.04	3.6
ZZ03630		0.47	19.1	720	26.7	7.6	<0.001	0.08	2.05	2.9	1.0	0.4	41.9	<0.01	0.04	0.9
ZZ03631		0.44	20.3	640	23.9	7.1	<0.001	0.06	1.53	3.5	0.9	0.4	38.0	<0.01	0.04	1.3
ZZ03632		0.28	20.7	580	23.3	5.8	<0.001	0.06	1.45	3.4	0.9	0.3	41.5	<0.01	0.03	1.5
ZZ03633		0.31	21.7	520	25.0	5.6	<0.001	0.05	1.02	3.6	0.8	0.3	51.0	<0.01	0.03	1.5
ZZ03634		0.48	25.2	550	26.5	6.1	<0.001	0.03	1.09	4.8	0.8	0.4	41.4	<0.01	0.05	2.7
ZZ03635		0.43	18.9	530	20.1	7.0	<0.001	0.04	0.57	3.5	0.8	0.4	49.7	<0.01	0.04	1.7
ZZ03636		0.38	19.3	500	23.2	8.6	<0.001	0.05	0.56	3.6	0.8	0.4	53.4	<0.01	0.03	1.9
ZZ03637		0.44	23.9	670	20.0	8.2	<0.001	0.04	0.59	3.6	0.9	0.4	49.0	<0.01	0.04	1.7
ZZ03638		0.49	20.0	200	24.9	9.5	<0.001	0.01	1.53	2.2	0.4	0.4	7.3	<0.01	0.06	1.8
ZZ03639		0.69	30.3	740	22.2	8.1	0.001	0.04	1.13	5.1	1.1	0.5	38.7	0.01	0.04	2.6
ZZ03640		0.56	29.0	570	22.6	10.8	<0.001	0.03	0.86	4.6	1.2	0.4	37.1	<0.01	0.05	2.5

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03601		0.014	0.19	1.06	35	0.13	8.27	168	0.7
ZZ03602		0.005	0.16	1.20	19	0.05	8.73	137	1.5
ZZ03603		0.007	0.44	1.91	32	0.14	9.70	193	1.6
ZZ03604		0.008	0.18	1.87	26	0.10	8.65	166	0.9
ZZ03605		0.008	0.16	1.24	28	0.07	6.29	188	1.4
ZZ03606		0.006	0.13	1.57	29	0.06	15.15	88	1.7
ZZ03607		0.012	0.20	1.00	39	0.12	9.28	118	1.4
ZZ03608		0.006	0.24	0.95	36	0.10	5.67	114	1.1
ZZ03609		0.008	0.16	1.09	28	0.09	9.19	156	1.3
ZZ03610		0.010	0.17	0.77	34	0.11	8.20	149	1.3
ZZ03611		0.014	0.14	1.26	41	0.14	6.02	116	1.1
ZZ03612		0.010	0.35	3.21	34	0.11	9.58	533	1.4
ZZ03613		0.011	0.15	1.42	47	0.17	5.83	175	1.1
ZZ03614		0.010	0.12	1.68	37	0.12	6.49	107	1.1
ZZ03615		0.008	0.16	1.94	24	0.07	7.83	187	1.2
ZZ03616		0.009	0.11	1.03	24	0.08	7.50	65	1.1
ZZ03617		0.013	0.12	1.15	29	0.09	13.60	116	2.4
ZZ03618		0.006	0.15	0.72	33	0.07	5.27	102	0.9
ZZ03619		0.010	0.08	0.34	42	0.13	1.80	49	<0.5
ZZ03620		0.006	0.14	1.36	24	0.08	9.51	107	1.9
ZZ03621		0.012	0.17	1.13	33	0.11	9.63	135	1.5
ZZ03622		0.009	0.27	1.02	33	0.11	13.10	168	1.7
ZZ03623		0.005	0.19	1.44	25	0.07	7.20	155	1.4
ZZ03624		0.006	0.34	1.40	22	0.09	11.55	294	1.8
ZZ03625		0.008	0.21	0.89	28	0.09	9.39	156	1.5
ZZ03626		0.006	0.27	2.11	23	0.08	11.15	204	1.7
ZZ03627		0.005	0.18	1.34	24	0.09	10.30	190	1.6
ZZ03628		0.010	0.28	2.02	31	0.10	9.29	281	1.8
ZZ03629		0.006	0.22	0.94	24	0.07	11.45	121	2.1
ZZ03630		0.007	0.29	2.34	28	0.10	8.62	246	1.5
ZZ03631		0.006	0.23	1.72	27	0.09	8.57	185	1.8
ZZ03632		<0.005	0.24	1.55	19	0.06	8.11	90	1.9
ZZ03633		0.005	0.22	1.21	20	0.09	8.98	123	1.5
ZZ03634		0.010	0.18	0.98	28	0.10	10.35	101	1.5
ZZ03635		0.008	0.14	1.18	25	0.09	8.09	71	1.4
ZZ03636		0.006	0.14	1.20	24	0.07	8.41	89	1.3
ZZ03637		0.008	0.13	1.37	28	0.09	9.17	108	1.3
ZZ03638		0.008	0.20	0.39	27	0.07	1.94	181	1.0
ZZ03639		0.013	0.18	1.13	44	0.12	11.55	146	1.8
ZZ03640		0.011	0.17	1.64	41	0.11	9.65	113	1.6



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 Finalized Date: 26- JUL- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03641		0.26	<0.001	0.18	1.22	41.8	<0.2	<10	390	1.02	0.27	0.71	0.35	20.6	12.5	22
ZZ03642		0.21	<0.001	0.26	1.42	56.9	<0.2	<10	490	1.14	0.31	0.43	0.60	20.4	15.0	26
ZZ03643		0.24	0.002	0.22	1.21	43.0	<0.2	<10	660	0.84	0.25	1.02	0.96	19.55	13.7	20
ZZ03644		0.26	<0.001	0.14	0.80	46.3	<0.2	<10	220	0.71	0.23	0.91	0.45	19.85	11.4	17
ZZ03645		0.22	<0.001	0.15	0.70	58.1	<0.2	<10	180	0.85	0.27	0.91	0.33	15.75	9.5	12
ZZ03646		0.19	0.002	0.20	0.85	66.9	<0.2	<10	210	0.89	0.26	1.50	0.36	14.60	10.7	14
ZZ03647		0.25	0.001	0.16	0.79	64.0	<0.2	<10	230	0.66	0.24	1.44	0.25	12.60	8.6	13
ZZ03648		0.15	<0.001	0.15	0.94	64.2	<0.2	<10	280	0.72	0.23	1.67	0.33	14.00	10.4	14
ZZ03649		0.14	0.001	0.18	0.91	52.3	<0.2	<10	230	0.82	0.25	1.19	0.46	15.10	10.2	16
ZZ03690		0.32	<0.001	0.15	1.18	45.7	<0.2	<10	250	0.98	0.31	2.89	0.51	17.95	16.7	20
ZZ03691		0.22	0.001	0.10	1.48	24.1	<0.2	<10	420	0.71	0.27	0.69	0.40	21.0	9.2	24
ZZ03692		0.31	0.002	0.22	1.32	34.7	<0.2	<10	310	0.89	0.25	1.49	0.40	21.8	12.5	23
ZZ03693		0.25	0.003	0.17	1.08	35.0	<0.2	<10	260	0.79	0.23	1.01	0.49	23.6	10.7	20
ZZ03694		0.29	0.001	0.14	1.07	26.7	<0.2	<10	220	0.84	0.27	1.33	0.51	21.5	12.1	19
ZZ03695		0.24	0.001	0.16	0.88	32.4	<0.2	<10	210	0.70	0.22	1.31	0.33	19.50	11.4	17
ZZ03696		0.27	0.001	0.13	1.62	33.6	<0.2	<10	250	1.06	0.25	0.23	0.17	26.2	12.5	26
ZZ03697		0.25	0.001	0.07	1.63	43.8	<0.2	<10	180	1.04	0.24	0.06	0.11	22.3	10.0	20
ZZ03698		0.26	0.001	0.08	1.23	18.1	<0.2	<10	210	0.88	0.26	0.13	0.10	50.4	9.8	18
ZZ03699		0.25	<0.001	0.03	1.57	32.9	<0.2	<10	110	0.73	0.34	0.02	0.11	11.95	10.2	26
ZZ03700		0.28	0.003	0.26	1.26	46.9	<0.2	<10	440	0.99	0.29	0.47	0.44	19.10	12.7	24
ZZ03701		0.25	0.001	0.14	1.06	48.6	<0.2	<10	270	0.83	0.23	1.70	0.35	21.7	10.9	19
ZZ03702		0.23	0.001	0.10	1.17	61.0	<0.2	<10	180	1.04	0.23	2.31	0.57	27.9	10.9	18
ZZ03703		0.25	0.001	0.13	1.58	22.4	<0.2	<10	300	0.82	0.25	0.59	0.14	29.0	11.5	28
ZZ03704		0.19	<0.001	0.04	0.66	10.8	<0.2	<10	190	0.60	0.24	0.20	0.19	47.5	15.0	10
ZZ03705		0.20	0.001	0.03	1.06	43.0	<0.2	<10	150	0.61	0.28	0.13	0.17	11.10	9.5	15
ZZ03706		0.24	0.003	0.20	1.08	69.1	<0.2	<10	220	0.79	0.27	1.47	0.34	19.55	11.6	19
ZZ03707		0.22	<0.001	0.10	1.22	59.1	<0.2	<10	160	1.04	0.30	0.34	0.63	23.8	15.7	22
ZZ03708		0.16	0.002	0.12	1.40	63.8	<0.2	<10	230	0.78	0.19	2.94	2.74	26.8	10.0	19
ZZ03709		0.20	0.001	0.12	1.56	36.1	<0.2	<10	240	1.04	0.26	0.47	0.92	30.8	12.7	28
ZZ03710		0.19	0.003	0.07	1.00	53.2	<0.2	<10	110	0.94	0.26	0.68	0.23	22.2	12.9	18
ZZ03711		0.30	0.001	0.06	1.19	37.1	<0.2	<10	160	0.92	0.25	0.27	0.36	17.90	10.7	20
ZZ03712		0.26	0.001	0.15	0.66	40.1	<0.2	<10	230	0.88	0.21	0.43	0.07	17.90	8.7	12
ZZ03713		0.23	0.002	0.04	0.72	41.6	<0.2	<10	80	0.65	0.27	0.27	0.16	15.75	8.3	12
ZZ03714		0.14	0.001	0.18	0.99	38.9	<0.2	<10	190	0.97	0.26	1.44	0.30	16.15	10.0	16
ZZ03715		0.24	0.004	0.15	0.87	39.1	<0.2	<10	190	0.94	0.27	2.50	0.32	15.65	13.0	14
ZZ03716		0.14	0.003	0.16	1.24	44.8	<0.2	<10	250	0.81	0.20	2.11	1.08	27.0	9.0	18
ZZ03717		0.18	0.004	0.16	1.03	69.6	<0.2	<10	120	0.78	0.18	5.13	0.30	16.70	7.5	16
ZZ03718		0.19	0.001	0.04	1.27	40.2	<0.2	<10	200	0.90	0.22	0.39	0.47	24.3	9.7	21
ZZ03719		0.20	0.002	0.09	1.69	62.0	<0.2	<10	230	1.15	0.27	0.74	0.83	36.8	13.3	25
ZZ03720		0.20	0.002	0.11	1.31	41.2	<0.2	<10	200	0.99	0.25	3.13	0.58	24.0	11.3	19



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03641		0.99	33.6	3.85	3.64	0.11	0.08	1.70	0.039	0.07	10.8	17.9	0.43	526	1.34	0.01
ZZ03642		1.61	41.0	4.14	4.18	0.12	0.08	0.67	0.040	0.12	11.6	21.5	0.36	516	2.70	0.01
ZZ03643		1.04	29.7	3.30	3.81	0.10	0.06	0.68	0.033	0.07	8.9	13.5	0.31	935	1.34	0.01
ZZ03644		1.18	22.0	2.93	2.63	0.08	0.05	5.50	0.030	0.07	8.0	10.5	0.24	607	0.94	<0.01
ZZ03645		2.81	31.0	3.13	2.09	0.08	0.06	1.01	0.030	0.07	6.8	7.2	0.19	183	0.84	0.01
ZZ03646		2.74	40.8	3.08	2.53	0.09	0.07	1.25	0.032	0.08	7.2	9.2	0.25	554	0.79	0.01
ZZ03647		2.15	20.9	2.78	2.26	0.08	0.06	0.72	0.028	0.08	5.9	8.6	0.22	370	0.72	0.01
ZZ03648		1.89	24.9	2.68	2.77	0.07	0.05	0.64	0.028	0.07	6.2	9.8	0.26	654	0.72	0.01
ZZ03649		2.53	27.6	3.14	2.79	0.08	0.06	0.71	0.031	0.08	6.7	12.0	0.28	402	1.06	0.01
ZZ03690		1.75	39.2	3.89	3.88	0.10	0.07	0.51	0.036	0.14	7.5	16.8	1.23	933	1.42	0.01
ZZ03691		0.80	21.4	3.21	5.27	0.08	0.04	0.14	0.030	0.07	10.1	15.7	0.36	443	0.82	0.01
ZZ03692		0.84	32.8	3.51	3.99	0.10	0.06	0.39	0.033	0.08	11.7	18.7	0.71	718	1.12	0.01
ZZ03693		0.94	25.2	3.29	3.20	0.09	0.06	0.37	0.027	0.08	10.3	16.2	0.39	808	0.92	0.01
ZZ03694		0.93	30.5	3.20	3.31	0.09	0.07	0.45	0.029	0.14	9.5	20.7	0.68	492	0.75	0.01
ZZ03695		0.64	19.2	3.25	2.70	0.09	0.06	0.33	0.030	0.09	8.6	12.9	0.67	682	1.12	0.01
ZZ03696		0.91	22.8	4.07	4.32	0.12	0.08	0.29	0.036	0.06	12.4	16.7	0.35	865	1.12	<0.01
ZZ03697		0.98	14.7	3.13	3.87	0.09	0.07	0.31	0.030	0.05	8.6	13.6	0.21	508	0.73	<0.01
ZZ03698		1.88	21.7	3.28	3.31	0.11	0.06	0.14	0.033	0.06	14.8	13.1	0.22	410	0.85	<0.01
ZZ03699		1.17	17.0	4.41	4.64	0.09	0.06	0.15	0.033	0.07	5.1	30.4	0.29	456	1.32	<0.01
ZZ03700		0.96	29.2	3.83	3.78	0.11	0.08	0.50	0.033	0.08	10.6	16.2	0.38	738	1.80	<0.01
ZZ03701		0.90	25.7	3.26	3.18	0.10	0.06	0.57	0.029	0.06	10.0	15.4	0.79	800	0.99	0.01
ZZ03702		0.74	15.1	4.20	3.27	0.14	0.08	0.52	0.032	0.07	15.1	9.2	1.18	1260	1.42	<0.01
ZZ03703		0.92	16.0	3.13	4.65	0.09	0.05	0.15	0.031	0.07	13.3	17.4	0.54	480	0.88	0.01
ZZ03704		0.47	23.7	3.41	2.35	0.11	0.04	0.03	0.026	0.13	23.1	7.6	0.11	361	1.29	<0.01
ZZ03705		1.65	17.7	3.80	3.77	0.08	0.02	0.68	0.031	0.09	4.8	10.8	0.13	258	1.98	<0.01
ZZ03706		0.92	21.0	3.88	3.27	0.11	0.06	1.03	0.028	0.06	9.0	11.4	0.71	826	1.33	<0.01
ZZ03707		0.99	25.0	3.81	4.07	0.10	0.07	0.41	0.032	0.13	8.7	13.4	0.34	996	1.35	<0.01
ZZ03708		0.74	12.9	3.90	4.59	0.11	0.08	0.27	0.027	0.08	14.9	10.2	1.65	3170	1.17	0.01
ZZ03709		0.72	15.8	3.79	4.97	0.11	0.09	1.12	0.034	0.12	13.1	15.2	0.48	1140	1.12	0.01
ZZ03710		0.52	25.1	3.91	3.15	0.10	0.08	0.48	0.036	0.07	9.5	9.5	0.43	974	1.13	<0.01
ZZ03711		0.70	17.7	3.76	3.84	0.09	0.05	0.26	0.031	0.09	9.6	11.0	0.26	813	1.14	<0.01
ZZ03712		1.79	17.6	2.60	1.97	0.09	0.08	0.54	0.028	0.07	8.3	5.9	0.12	311	0.81	<0.01
ZZ03713		0.93	14.4	3.34	2.23	0.07	0.03	0.16	0.026	0.07	5.6	8.4	0.12	249	1.03	<0.01
ZZ03714		3.45	23.4	2.92	2.79	0.09	0.07	0.32	0.028	0.08	8.4	11.7	0.36	508	0.82	<0.01
ZZ03715		1.31	26.4	3.08	2.69	0.09	0.07	0.40	0.030	0.08	7.3	10.2	1.05	823	1.02	0.01
ZZ03716		1.17	20.6	3.08	3.49	0.08	0.06	0.20	0.027	0.09	11.0	10.1	0.75	1520	0.67	0.01
ZZ03717		0.93	14.5	2.81	3.02	0.07	0.08	0.40	0.023	0.08	8.8	10.0	2.95	828	0.83	0.01
ZZ03718		0.56	13.0	3.34	4.07	0.08	0.07	0.10	0.030	0.08	8.8	12.6	0.29	999	1.04	<0.01
ZZ03719		0.64	17.0	5.11	5.10	0.15	0.11	0.30	0.039	0.12	18.4	13.4	0.56	2130	1.05	<0.01
ZZ03720		0.71	14.4	3.82	3.97	0.10	0.07	0.75	0.031	0.10	10.4	10.7	1.88	1580	1.10	0.01

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



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ZZ03641		0.50	28.0	440	26.3	8.7	<0.001	0.02	0.99	6.5	1.0	0.5	25.9	0.01	0.05	3.9
ZZ03642		0.43	39.8	580	29.8	9.4	0.001	0.01	1.35	6.6	1.4	0.5	25.7	0.01	0.06	4.3
ZZ03643		0.53	26.3	780	23.3	9.3	<0.001	0.05	1.08	4.1	1.4	0.4	32.5	0.01	0.04	1.5
ZZ03644		0.40	22.7	570	22.6	7.6	<0.001	0.04	1.28	3.7	1.0	0.3	32.9	<0.01	0.03	1.7
ZZ03645		0.30	22.1	570	32.8	8.3	<0.001	0.05	1.34	4.5	1.4	0.4	29.9	<0.01	0.03	2.5
ZZ03646		0.33	25.4	670	28.6	9.3	<0.001	0.08	1.95	3.8	1.7	0.4	38.1	0.01	0.05	1.3
ZZ03647		0.35	18.5	530	24.6	8.3	<0.001	0.05	1.88	3.2	0.9	0.4	38.8	<0.01	0.04	1.3
ZZ03648		0.39	21.5	670	22.9	8.1	<0.001	0.08	1.95	2.8	1.1	0.3	42.0	<0.01	0.04	0.8
ZZ03649		0.39	23.4	480	26.0	9.7	<0.001	0.05	1.40	4.0	1.0	0.4	46.2	<0.01	0.04	1.7
ZZ03690		0.33	33.1	640	28.5	10.2	<0.001	0.02	0.76	6.0	0.7	0.5	48.3	<0.01	0.04	5.0
ZZ03691		0.81	19.4	390	19.1	11.7	<0.001	0.02	0.41	3.8	0.5	0.6	23.1	<0.01	0.03	2.3
ZZ03692		0.59	26.9	690	21.5	9.0	<0.001	0.05	0.72	4.2	1.1	0.5	33.9	0.01	0.05	1.6
ZZ03693		0.55	20.6	640	24.8	10.7	<0.001	0.06	0.73	3.7	1.2	0.4	37.4	0.01	0.04	1.4
ZZ03694		0.54	21.8	530	22.4	11.2	0.001	0.04	0.55	4.6	1.1	0.4	38.1	<0.01	0.04	2.8
ZZ03695		0.48	20.7	480	20.8	7.8	<0.001	0.03	0.74	4.2	0.8	0.4	23.8	<0.01	0.04	2.5
ZZ03696		0.76	28.2	260	22.8	11.3	<0.001	0.01	0.58	5.6	0.8	0.5	12.0	0.01	0.04	4.6
ZZ03697		0.66	19.9	140	21.3	11.4	<0.001	0.01	0.33	3.7	0.5	0.5	7.3	<0.01	0.03	4.5
ZZ03698		0.56	23.8	230	21.2	11.1	<0.001	0.01	0.33	4.0	0.5	0.4	8.3	<0.01	0.03	5.8
ZZ03699		0.61	23.3	180	24.3	12.6	<0.001	0.01	0.48	3.2	0.5	0.5	7.1	<0.01	0.03	3.3
ZZ03700		0.56	31.4	560	25.1	8.6	<0.001	0.02	0.92	5.5	1.2	0.5	18.1	0.01	0.05	3.3
ZZ03701		0.57	22.8	520	24.4	8.4	<0.001	0.03	0.75	4.4	1.1	0.4	27.1	0.01	0.04	1.9
ZZ03702		0.44	19.2	360	37.8	11.6	<0.001	0.02	0.73	6.2	1.1	0.4	19.3	0.01	0.04	3.6
ZZ03703		1.12	25.6	360	14.6	7.9	<0.001	0.02	0.49	4.7	0.7	0.5	24.2	<0.01	0.03	3.1
ZZ03704		0.42	22.8	230	21.5	9.7	<0.001	0.01	0.59	3.3	0.2	0.3	9.1	<0.01	0.04	4.7
ZZ03705		0.55	15.7	270	19.8	6.9	<0.001	0.01	0.57	3.6	0.3	0.5	7.6	<0.01	0.05	2.3
ZZ03706		0.54	23.1	560	31.2	6.9	<0.001	0.03	1.11	4.0	1.1	0.4	24.6	0.01	0.04	1.8
ZZ03707		0.68	27.8	240	26.5	14.5	<0.001	0.02	0.95	5.1	0.8	0.5	13.0	<0.01	0.04	3.8
ZZ03708		0.81	17.9	540	25.3	8.3	<0.001	0.03	0.85	4.1	0.9	0.4	18.7	0.01	0.04	2.0
ZZ03709		1.19	25.4	210	25.3	12.9	<0.001	0.02	0.75	5.6	0.7	0.6	14.3	0.01	0.03	4.5
ZZ03710		0.49	22.7	230	32.8	8.6	<0.001	0.02	0.81	5.7	0.7	0.4	12.3	0.01	0.04	3.6
ZZ03711		0.57	20.8	250	25.4	10.7	<0.001	0.01	0.56	4.4	0.6	0.5	11.5	<0.01	0.03	2.9
ZZ03712		0.26	24.1	300	21.2	5.9	<0.001	0.02	0.52	4.7	0.8	0.3	24.1	<0.01	0.03	3.2
ZZ03713		0.47	22.1	340	22.6	9.3	<0.001	0.02	0.49	2.6	0.4	0.4	24.7	<0.01	0.03	2.0
ZZ03714		0.46	23.8	690	20.1	12.2	<0.001	0.06	0.76	3.8	0.9	0.4	38.7	0.01	0.04	1.2
ZZ03715		0.37	28.4	440	24.4	8.9	<0.001	0.04	0.69	4.4	0.9	0.4	43.2	0.01	0.03	2.1
ZZ03716		0.57	20.3	480	42.5	10.1	<0.001	0.04	1.58	3.7	0.7	0.5	47.9	<0.01	0.03	2.2
ZZ03717		0.48	18.5	640	23.3	8.7	<0.001	0.04	1.09	3.7	0.8	0.4	31.0	<0.01	0.04	1.8
ZZ03718		0.82	19.5	170	24.0	8.2	<0.001	0.01	0.78	4.1	0.4	0.5	14.2	<0.01	0.03	3.7
ZZ03719		0.71	23.2	380	31.1	12.0	<0.001	0.02	0.82	6.7	1.0	0.6	12.9	0.01	0.07	4.1
ZZ03720		0.65	18.3	350	26.2	13.8	<0.001	0.03	0.67	4.9	0.6	0.5	18.2	0.01	0.05	2.8

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



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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03641		0.007	0.21	1.19	36	0.09	13.65	120	1.9
ZZ03642		0.006	0.28	1.04	59	0.08	15.45	180	2.2
ZZ03643		0.009	0.17	3.37	38	0.10	10.50	135	1.3
ZZ03644		0.007	0.19	1.79	26	0.07	8.62	122	1.4
ZZ03645		0.005	0.21	2.58	21	0.09	10.85	158	1.6
ZZ03646		<0.005	0.24	2.22	24	0.06	13.05	134	1.6
ZZ03647		0.007	0.19	1.44	22	0.06	7.92	130	1.4
ZZ03648		0.008	0.18	2.01	24	0.06	8.42	125	1.3
ZZ03649		0.006	0.19	1.08	29	0.10	9.57	146	1.6
ZZ03690		0.006	0.23	0.94	33	0.06	10.45	151	2.4
ZZ03691		0.017	0.11	1.24	43	0.13	6.28	91	0.8
ZZ03692		0.013	0.13	1.57	37	0.13	13.30	113	1.3
ZZ03693		0.014	0.12	1.63	31	0.10	10.15	105	1.1
ZZ03694		0.013	0.13	0.85	31	0.09	9.59	118	1.6
ZZ03695		0.010	0.12	0.92	29	0.10	8.89	111	1.4
ZZ03696		0.009	0.18	1.18	38	0.15	11.75	95	2.1
ZZ03697		0.008	0.15	0.79	30	0.11	5.51	60	2.1
ZZ03698		0.007	0.15	0.88	24	0.10	7.20	58	1.7
ZZ03699		0.006	0.14	0.48	43	0.08	2.87	84	2.3
ZZ03700		0.010	0.18	0.95	43	0.12	12.65	118	2.0
ZZ03701		0.011	0.12	1.03	31	0.10	12.15	100	1.4
ZZ03702		<0.005	0.21	1.05	38	0.11	17.45	167	1.7
ZZ03703		0.029	0.10	0.82	42	0.19	7.60	83	1.1
ZZ03704		0.008	0.08	0.43	22	0.08	3.23	88	0.9
ZZ03705		0.005	0.16	0.39	32	0.08	2.54	137	0.6
ZZ03706		0.012	0.24	2.09	31	0.11	8.46	270	1.4
ZZ03707		0.009	0.19	0.98	36	0.10	7.33	161	2.0
ZZ03708		0.014	0.18	1.40	39	0.15	14.70	1420	2.0
ZZ03709		0.023	0.17	0.89	46	0.15	9.99	268	2.6
ZZ03710		0.007	0.17	0.70	31	0.10	11.65	125	1.9
ZZ03711		0.009	0.14	0.75	36	0.10	9.06	165	1.2
ZZ03712		<0.005	0.17	0.75	18	0.06	9.82	57	2.3
ZZ03713		0.007	0.10	0.48	22	0.08	3.87	101	0.7
ZZ03714		0.008	0.12	1.12	27	0.08	11.35	92	1.5
ZZ03715		0.005	0.12	0.65	24	0.07	11.30	95	1.6
ZZ03716		0.011	0.17	0.63	32	0.09	8.35	121	1.6
ZZ03717		0.007	0.16	1.02	26	0.10	11.05	140	2.2
ZZ03718		0.013	0.15	0.61	39	0.11	5.61	153	2.2
ZZ03719		0.009	0.17	1.04	47	0.14	19.85	295	2.8
ZZ03720		0.009	0.15	1.04	37	0.13	10.15	132	1.8



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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03721		0.31	0.002	0.17	1.00	50.1	<0.2	<10	210	0.88	0.23	1.92	0.23	18.20	9.8	18
ZZ03722		0.30	0.001	0.04	1.31	27.2	<0.2	<10	170	0.71	0.26	0.35	0.51	16.25	10.4	23
ZZ03723		0.27	0.002	0.06	1.04	44.4	<0.2	<10	200	0.66	0.24	0.54	0.24	13.80	8.2	20
ZZ03724		0.22	0.001	0.12	1.31	54.4	<0.2	<10	170	1.06	0.26	0.48	0.24	19.20	10.1	23
ZZ03725		0.28	0.002	0.16	1.02	36.0	<0.2	<10	200	0.91	0.25	0.89	0.17	19.15	10.7	20
ZZ03726		0.24	0.001	0.04	0.98	25.5	<0.2	<10	110	0.67	0.21	0.15	0.09	16.25	8.4	16
ZZ03727		0.18	0.002	0.17	1.23	24.8	<0.2	<10	360	0.83	0.22	1.03	0.44	18.75	10.2	21
ZZ03728		0.36	0.006	0.11	1.37	42.4	<0.2	<10	270	0.92	0.28	0.49	0.29	32.1	11.1	24
ZZ03729		0.27	0.002	0.04	1.75	33.9	<0.2	<10	110	0.82	0.34	0.03	0.08	11.40	10.3	26
ZZ03730		0.31	0.001	0.05	0.82	5.4	<0.2	<10	80	0.55	0.45	0.02	0.03	8.74	6.4	9
ZZ03731		0.25	0.002	0.11	1.34	35.0	<0.2	<10	140	0.89	0.36	0.03	0.13	16.90	7.8	22
ZZ03732		0.19	0.007	0.15	1.60	17.0	<0.2	<10	220	1.00	0.31	0.30	0.19	22.9	11.2	25
ZZ03733		0.28	0.001	0.06	1.56	15.3	<0.2	<10	110	0.48	0.33	0.05	0.08	13.90	8.5	25
ZZ03734		0.27	0.006	0.20	1.06	27.2	<0.2	10	340	0.83	0.20	3.54	0.97	18.00	8.5	14
ZZ03735		0.27	0.002	0.15	1.13	24.1	<0.2	<10	230	0.82	0.27	2.56	0.43	15.15	10.1	18
ZZ03736		0.20	0.003	0.13	0.99	26.2	<0.2	<10	260	0.59	0.21	1.49	0.50	12.25	7.9	17
ZZ03737		0.35	0.004	0.15	1.23	32.1	<0.2	<10	240	0.75	0.28	1.25	0.45	17.30	10.9	22
ZZ03738		0.34	0.003	0.24	1.58	22.7	<0.2	<10	400	0.92	0.27	1.04	0.30	22.2	9.5	27
ZZ03739		0.21	0.001	0.06	1.69	14.4	<0.2	<10	120	0.72	0.29	0.08	0.13	21.9	10.4	26
ZZ03901		0.19	0.002	0.02	0.65	3.9	<0.2	<10	80	0.24	0.22	0.05	0.05	44.0	6.0	11
ZZ03902		0.26	0.002	0.12	1.34	49.9	<0.2	<10	310	1.04	0.37	0.34	0.21	21.3	16.3	24
ZZ03903		0.28	0.009	0.14	1.28	33.4	<0.2	<10	260	0.91	0.31	1.55	0.32	19.45	12.2	22
ZZ03904		0.18	0.001	0.04	2.01	38.5	<0.2	<10	260	1.71	0.37	0.10	0.12	21.6	13.5	32
ZZ03905		0.19	0.002	0.15	1.08	43.1	<0.2	<10	260	0.80	0.24	2.89	0.47	18.30	9.9	20
ZZ03906		0.24	0.003	0.16	1.33	31.2	<0.2	<10	210	1.00	0.29	0.73	0.30	22.4	11.8	25
ZZ03907		0.17	0.003	0.16	1.10	34.7	<0.2	<10	250	0.83	0.24	1.16	0.54	22.4	10.6	21
ZZ03908		0.19	0.003	0.18	1.12	39.0	<0.2	<10	220	0.73	0.27	2.27	0.45	16.15	9.6	20
ZZ03909		0.23	0.004	0.12	1.04	43.4	<0.2	<10	240	0.77	0.28	2.28	0.36	22.5	12.7	18
ZZ03910		0.20	0.002	0.07	1.09	39.6	<0.2	<10	140	0.88	0.33	0.35	0.13	15.35	9.2	22
ZZ03911		0.17	0.001	0.05	1.44	45.2	<0.2	<10	160	0.91	0.29	0.17	0.11	19.60	10.3	23
ZZ03912		0.16	0.002	0.03	0.71	7.3	<0.2	<10	90	0.52	0.47	0.09	0.03	10.70	9.1	10
ZZ03913		0.23	0.002	0.04	1.67	17.1	<0.2	<10	110	0.99	0.45	0.24	0.15	19.45	19.0	31
ZZ03914		0.10	0.002	0.11	0.86	23.1	<0.2	<10	260	0.57	0.19	3.13	0.60	16.35	8.6	15
ZZ03915		0.21	0.001	0.07	1.25	33.3	<0.2	<10	170	0.89	0.28	0.30	0.13	20.6	10.5	22
ZZ03916		0.13	0.005	0.23	1.03	16.2	<0.2	<10	210	0.96	0.54	0.54	0.09	20.5	5.5	20
ZZ03917		0.23	0.001	0.13	1.03	39.8	<0.2	<10	180	0.80	0.30	4.53	0.44	12.95	13.2	17
ZZ03918		0.25	0.002	0.16	0.77	48.6	<0.2	<10	110	0.94	0.35	3.10	0.15	22.6	12.6	13
ZZ03919		0.28	0.001	0.04	1.32	30.8	<0.2	<10	90	0.64	0.27	0.14	0.11	19.00	9.1	21
ZZ03920		0.24	0.003	0.12	1.18	48.6	<0.2	<10	180	1.02	0.33	1.23	0.30	16.35	14.4	20
ZZ03921		0.18	0.003	0.10	1.40	42.4	<0.2	<10	570	0.83	0.28	1.26	0.50	23.6	10.3	25



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Method Analyte Units LOR	ME-MS41		ME-MS41		ME-MS41		ME-MS41		ME-MS41		ME-MS41		ME-MS41		ME-MS41	
	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	
Sample Description	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	
ZZ03721	0.80	22.8	3.32	3.12	0.09	0.07	0.45	0.031	0.07	9.4	12.7	0.96	645	0.97	0.01	
ZZ03722	0.86	15.9	3.32	4.57	0.08	0.03	0.13	0.028	0.09	7.3	17.2	0.36	512	1.00	<0.01	
ZZ03723	0.60	17.0	3.41	3.62	0.08	0.04	0.32	0.028	0.07	6.6	11.0	0.24	586	0.98	<0.01	
ZZ03724	0.70	20.3	3.74	3.89	0.10	0.08	0.57	0.035	0.08	11.0	13.2	0.35	430	1.08	<0.01	
ZZ03725	0.63	20.4	3.52	3.25	0.10	0.08	0.49	0.029	0.08	8.9	16.4	0.45	644	0.98	<0.01	
ZZ03726	0.78	11.6	2.85	3.09	0.07	0.06	0.24	0.025	0.07	6.5	15.7	0.22	366	0.83	<0.01	
ZZ03727	0.65	22.0	3.01	3.68	0.08	0.05	0.19	0.028	0.07	9.2	13.4	0.35	579	0.82	0.01	
ZZ03728	1.06	17.9	3.65	4.61	0.11	0.05	0.26	0.033	0.07	13.3	18.4	0.34	907	1.20	<0.01	
ZZ03729	1.04	21.2	4.71	5.80	0.09	0.05	0.19	0.037	0.06	5.1	25.2	0.33	362	0.77	<0.01	
ZZ03730	0.88	14.0	2.81	2.30	0.06	0.04	0.02	0.025	0.11	3.4	4.8	0.08	135	0.58	<0.01	
ZZ03731	1.44	36.5	4.17	5.27	0.09	0.04	0.05	0.035	0.09	7.0	11.6	0.23	487	0.80	<0.01	
ZZ03732	0.98	21.9	3.82	5.17	<0.05	0.04	0.15	0.037	0.08	10.1	21.2	0.41	636	0.68	0.01	
ZZ03733	0.75	16.5	4.16	6.50	<0.05	0.03	<0.01	0.029	0.07	6.3	17.2	0.34	370	0.63	0.01	
ZZ03734	0.91	27.0	2.53	2.64	0.05	0.06	0.50	0.028	0.09	8.9	12.2	1.00	1280	0.90	0.02	
ZZ03735	1.40	31.6	3.50	3.20	0.05	0.09	0.47	0.034	0.11	7.0	14.5	1.10	876	0.69	0.02	
ZZ03736	1.68	21.6	3.03	3.00	<0.05	0.05	0.26	0.030	0.08	5.8	13.3	0.33	680	0.75	0.02	
ZZ03737	0.89	26.7	3.81	3.77	0.06	0.07	0.39	0.033	0.10	7.8	19.0	0.65	731	0.82	0.02	
ZZ03738	0.78	30.9	3.66	4.29	0.06	0.05	0.28	0.034	0.08	13.4	26.6	0.58	606	0.78	0.02	
ZZ03739	0.96	13.6	3.66	5.53	0.05	0.05	0.05	0.033	0.06	8.3	23.2	0.37	665	0.65	0.01	
ZZ03901	0.59	7.3	2.53	3.19	0.06	<0.02	0.04	0.014	0.10	20.2	2.8	0.07	169	0.81	0.01	
ZZ03902	0.81	34.7	4.36	3.84	0.05	0.07	0.55	0.039	0.09	8.7	16.3	0.38	941	1.43	0.01	
ZZ03903	0.86	32.8	3.82	3.80	0.05	0.07	0.36	0.037	0.11	9.4	17.6	0.89	774	1.01	0.02	
ZZ03904	1.42	54.0	4.76	5.04	0.05	0.08	0.24	0.042	0.06	7.2	22.4	0.37	553	1.26	0.01	
ZZ03905	0.89	29.6	3.36	3.02	0.06	0.05	1.06	0.030	0.09	9.6	13.9	1.47	997	1.01	0.02	
ZZ03906	1.66	37.2	3.76	4.20	0.05	0.07	0.40	0.036	0.10	11.2	22.9	0.55	529	1.09	0.02	
ZZ03907	0.66	29.3	3.58	3.04	0.05	0.04	0.35	0.032	0.07	10.9	13.7	0.45	983	1.04	0.02	
ZZ03908	0.96	26.4	3.52	3.41	0.05	0.06	0.47	0.033	0.11	8.3	15.8	1.26	475	1.06	0.02	
ZZ03909	0.65	28.6	3.54	3.12	0.05	0.05	0.52	0.035	0.07	8.3	12.6	1.00	1040	1.16	0.02	
ZZ03910	0.70	21.4	3.94	3.46	<0.05	0.07	0.26	0.037	0.09	6.4	12.9	0.30	520	0.77	0.01	
ZZ03911	0.93	21.9	3.88	4.27	<0.05	0.05	0.47	0.035	0.07	7.9	18.4	0.32	502	0.73	0.01	
ZZ03912	2.88	16.0	2.08	2.88	<0.05	0.02	<0.01	0.023	0.20	5.1	6.0	0.10	163	0.34	0.01	
ZZ03913	1.88	29.0	5.08	5.83	<0.05	0.06	0.18	0.040	0.09	7.9	48.6	0.54	659	0.65	0.01	
ZZ03914	0.65	22.4	2.51	2.45	<0.05	0.03	0.28	0.025	0.08	7.3	11.3	1.14	708	0.79	0.02	
ZZ03915	0.58	26.1	3.94	3.64	0.05	0.06	0.39	0.037	0.09	9.8	11.6	0.29	792	0.91	0.01	
ZZ03916	0.83	30.7	3.44	4.28	0.06	0.05	0.15	0.029	0.23	6.8	11.1	0.17	120	1.01	0.02	
ZZ03917	1.12	35.0	3.45	3.07	<0.05	0.08	0.55	0.033	0.12	5.5	11.8	1.40	701	1.17	0.02	
ZZ03918	1.59	62.0	3.62	2.24	0.06	0.07	0.56	0.035	0.11	11.1	8.1	1.72	834	1.22	0.02	
ZZ03919	0.78	25.9	3.81	3.88	<0.05	0.05	0.14	0.034	0.07	8.3	15.8	0.28	325	1.19	0.01	
ZZ03920	0.78	33.9	4.02	3.48	0.05	0.07	0.63	0.041	0.11	7.7	12.8	0.72	862	1.38	0.01	
ZZ03921	0.80	24.4	3.88	4.06	0.06	0.07	0.34	0.038	0.08	12.3	13.7	0.77	833	1.15	0.02	

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





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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03721		0.49	21.5	410	22.3	7.8	<0.001	0.03	0.70	4.9	0.8	0.4	25.9	<0.01	0.04	2.4
ZZ03722		0.95	20.4	230	19.7	13.5	<0.001	0.01	0.55	3.2	0.3	0.5	15.1	<0.01	0.03	2.5
ZZ03723		0.67	17.2	310	20.7	8.4	<0.001	0.02	0.63	3.4	0.5	0.4	17.4	<0.01	0.04	1.9
ZZ03724		0.70	23.5	320	21.5	8.0	<0.001	0.02	0.73	5.6	0.7	0.5	17.2	0.01	0.04	3.1
ZZ03725		0.48	23.7	370	21.2	6.8	<0.001	0.03	0.61	4.7	0.7	0.4	28.9	<0.01	0.03	3.0
ZZ03726		0.51	16.6	140	19.2	9.6	<0.001	0.01	0.39	3.0	0.4	0.4	11.2	<0.01	0.03	3.5
ZZ03727		0.62	23.0	490	16.6	8.7	<0.001	0.03	0.52	3.6	0.9	0.4	26.9	<0.01	0.03	1.3
ZZ03728		0.85	21.8	380	27.5	11.7	<0.001	0.02	0.70	5.0	0.7	0.5	19.7	0.01	0.04	3.1
ZZ03729		0.65	19.6	130	25.6	14.6	<0.001	<0.01	0.33	3.9	0.3	0.7	5.7	<0.01	0.03	3.3
ZZ03730		0.25	13.1	130	8.7	14.1	<0.001	<0.01	0.15	2.5	0.2	0.4	15.3	<0.01	0.02	2.7
ZZ03731		0.77	18.8	350	24.1	14.6	<0.001	0.01	0.36	3.9	0.4	0.7	6.7	<0.01	0.03	4.0
ZZ03732		0.59	24.5	230	23.6	13.0	0.001	0.03	0.33	3.7	0.6	0.6	11.0	<0.01	0.03	4.1
ZZ03733		0.74	17.6	190	19.8	13.2	0.001	0.02	0.26	2.8	<0.2	0.8	6.4	<0.01	0.02	3.0
ZZ03734		0.27	22.5	910	17.1	8.7	0.001	0.14	0.69	2.5	1.6	0.4	72.7	<0.01	0.03	1.1
ZZ03735		0.34	25.6	640	22.3	14.5	0.002	0.07	0.50	4.0	1.5	0.5	40.3	<0.01	0.02	2.6
ZZ03736		0.41	18.4	610	17.0	12.6	0.001	0.09	0.55	2.5	1.1	0.4	43.7	<0.01	0.02	1.3
ZZ03737		0.37	25.2	880	26.2	9.3	0.001	0.04	0.48	4.2	1.0	0.6	39.2	<0.01	0.03	2.8
ZZ03738		0.54	26.8	680	19.4	10.2	0.001	0.04	0.53	4.1	1.4	0.5	44.9	<0.01	0.02	1.7
ZZ03739		0.71	21.7	140	18.8	14.0	0.001	0.01	0.31	2.8	0.4	0.7	6.3	<0.01	0.02	3.9
ZZ03901		0.55	16.0	180	9.0	12.1	<0.001	0.01	0.29	1.7	<0.2	0.5	6.1	<0.01	0.04	4.0
ZZ03902		0.37	34.3	290	32.1	7.9	0.001	0.01	0.75	5.2	1.0	0.6	16.1	<0.01	0.05	5.0
ZZ03903		0.43	31.0	570	22.8	9.9	0.001	0.03	0.62	4.6	0.9	0.6	28.5	<0.01	0.03	3.3
ZZ03904		1.54	37.4	150	30.9	12.4	0.001	0.01	0.54	4.1	0.6	0.7	8.6	<0.01	0.03	5.6
ZZ03905		0.37	25.2	840	23.2	8.4	0.001	0.05	0.76	3.6	1.3	0.4	36.5	<0.01	0.04	1.9
ZZ03906		0.59	31.7	420	22.9	10.9	0.001	0.02	0.64	4.9	0.9	0.6	22.6	<0.01	0.02	3.6
ZZ03907		0.39	24.0	410	27.4	7.9	<0.001	0.03	0.63	3.9	1.0	0.4	24.8	<0.01	0.04	2.2
ZZ03908		0.40	27.2	510	21.5	9.3	0.001	0.03	0.65	4.4	1.1	0.5	31.6	<0.01	0.04	3.0
ZZ03909		0.39	27.8	410	25.9	6.6	0.001	0.03	0.81	3.5	0.8	0.5	33.1	<0.01	0.04	2.4
ZZ03910		0.41	22.1	230	27.0	9.4	0.001	0.01	0.46	4.6	0.6	0.5	15.1	<0.01	0.02	4.3
ZZ03911		0.45	24.6	220	21.8	11.3	<0.001	0.01	0.46	3.9	0.7	0.5	10.6	<0.01	0.03	4.3
ZZ03912		0.42	13.7	170	9.0	22.5	<0.001	0.01	0.28	2.0	0.3	0.8	10.2	<0.01	0.01	3.0
ZZ03913		0.28	37.5	290	23.4	8.8	0.001	0.01	0.29	4.7	0.5	0.5	17.7	<0.01	0.02	5.5
ZZ03914		0.35	19.9	550	17.0	10.2	<0.001	0.07	0.62	2.4	0.9	0.4	52.0	<0.01	0.03	1.2
ZZ03915		0.43	26.0	200	24.0	9.0	<0.001	0.01	0.53	5.0	1.0	0.5	13.9	<0.01	0.02	4.5
ZZ03916		0.37	13.7	350	50.6	16.6	<0.001	0.20	0.30	3.7	0.9	0.7	49.2	<0.01	0.03	5.5
ZZ03917		0.27	31.8	540	27.3	7.2	<0.001	0.03	0.60	4.5	0.8	0.5	77.3	<0.01	0.05	4.2
ZZ03918		0.22	28.4	580	27.3	8.7	0.001	0.03	0.68	5.5	0.9	0.4	27.6	<0.01	0.04	4.0
ZZ03919		0.55	23.2	150	19.2	8.6	<0.001	0.01	0.52	2.8	0.4	0.6	9.0	<0.01	0.04	4.1
ZZ03920		0.28	37.3	200	29.6	7.3	0.001	0.02	0.70	5.5	1.0	0.6	20.0	<0.01	0.04	4.3
ZZ03921		0.59	27.1	320	23.4	8.3	<0.001	0.03	0.70	4.9	0.9	0.6	22.3	<0.01	0.05	3.3

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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03721		0.009	0.14	0.77	29	0.10	11.60	106	1.6
ZZ03722		0.017	0.12	0.57	40	0.12	3.22	116	1.0
ZZ03723		0.014	0.12	0.69	36	0.12	4.58	93	0.9
ZZ03724		0.011	0.18	1.26	37	0.11	11.20	140	1.9
ZZ03725		0.007	0.11	0.85	31	0.08	9.61	89	1.8
ZZ03726		0.007	0.10	0.60	26	0.07	3.53	62	2.0
ZZ03727		0.013	0.08	1.55	35	0.14	8.09	97	1.1
ZZ03728		0.016	0.15	1.11	47	0.17	10.65	104	0.8
ZZ03729		0.006	0.14	0.44	31	0.08	2.78	69	1.9
ZZ03730		<0.005	0.10	0.44	13	<0.05	3.08	37	1.5
ZZ03731		0.012	0.10	0.98	34	0.11	5.14	62	1.1
ZZ03732		0.010	0.11	0.92	33	0.11	7.99	75	1.4
ZZ03733		0.013	0.10	0.41	39	0.14	2.38	65	0.8
ZZ03734		0.005	0.12	1.91	24	0.06	13.10	104	1.7
ZZ03735		0.006	0.14	0.84	26	0.06	10.10	135	2.4
ZZ03736		0.009	0.09	2.57	26	0.08	6.14	197	1.2
ZZ03737		0.009	0.11	1.40	29	0.09	9.55	170	1.7
ZZ03738		0.017	0.09	1.39	38	0.13	13.45	88	1.1
ZZ03739		0.013	0.11	0.51	36	0.14	3.48	66	1.6
ZZ03901		0.018	0.07	0.35	35	0.10	2.15	36	<0.5
ZZ03902		0.006	0.18	1.01	36	0.07	10.20	135	2.1
ZZ03903		0.010	0.13	0.91	33	0.09	11.45	126	1.9
ZZ03904		0.017	0.16	0.90	48	0.09	5.25	112	3.5
ZZ03905		0.010	0.15	1.24	33	0.10	11.05	126	1.4
ZZ03906		0.014	0.15	1.00	36	0.11	11.95	115	1.9
ZZ03907		0.010	0.12	1.06	36	0.08	13.00	120	1.2
ZZ03908		0.009	0.14	0.89	32	0.13	10.30	130	1.5
ZZ03909		0.007	0.12	1.04	30	0.07	8.63	113	1.3
ZZ03910		0.008	0.11	0.58	26	0.09	6.54	88	1.9
ZZ03911		0.006	0.13	0.67	29	0.07	6.12	82	1.5
ZZ03912		0.010	0.15	0.36	14	<0.05	3.11	35	0.6
ZZ03913		0.007	0.08	0.80	26	<0.05	6.78	86	2.1
ZZ03914		0.008	0.10	1.42	26	0.07	8.27	116	1.2
ZZ03915		0.008	0.13	0.93	35	0.09	10.70	90	1.8
ZZ03916		0.006	0.11	1.06	23	<0.05	7.43	32	1.6
ZZ03917		0.005	0.20	0.78	28	0.05	8.11	138	2.6
ZZ03918		0.005	0.16	0.88	20	0.05	13.55	104	2.3
ZZ03919		0.009	0.12	0.45	36	0.07	2.69	83	1.9
ZZ03920		<0.005	0.21	0.61	34	0.06	13.50	127	2.3
ZZ03921		0.015	0.13	0.81	40	0.19	12.60	253	1.7



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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03922		0.24	0.001	0.17	1.17	43.9	<0.2	<10	280	0.90	0.29	1.21	0.16	16.65	10.1	20
ZZ03923		0.18	0.002	0.14	1.28	44.1	<0.2	<10	220	0.80	0.25	2.78	0.72	20.2	10.1	19
ZZ03924		0.18	0.002	0.16	0.92	49.4	<0.2	<10	190	0.79	0.28	2.46	0.36	16.15	10.3	15
ZZ03925		0.17	0.002	0.14	0.97	52.6	<0.2	<10	240	0.74	0.25	2.41	0.88	17.70	10.6	15
ZZ03926		0.22	0.002	0.14	1.38	44.4	<0.2	<10	170	0.83	0.25	2.19	0.42	26.6	9.5	22
ZZ03927		0.17	0.002	0.15	0.85	87.5	<0.2	<10	190	0.71	0.24	3.33	0.39	15.80	10.0	14
ZZ03928		0.16	0.002	0.10	1.15	43.5	<0.2	<10	170	0.84	0.24	1.94	0.51	22.7	8.8	20
ZZ03929		0.28	0.003	0.13	1.48	52.2	<0.2	<10	180	1.42	0.31	0.92	0.30	27.5	14.3	24
ZZ03930		0.18	0.005	0.14	1.42	54.0	<0.2	<10	180	1.54	0.29	1.11	0.44	34.3	12.1	22
ZZ03931		0.15	0.001	0.04	0.86	12.8	<0.2	<10	110	1.16	0.36	0.09	0.15	61.4	30.8	12
ZZ03932		0.19	0.002	0.15	1.20	35.8	<0.2	10	260	0.97	0.25	2.03	0.45	20.2	9.0	18
ZZ03933		0.38	0.002	0.14	1.07	41.3	<0.2	<10	230	1.09	0.30	3.50	0.38	17.00	15.9	19
ZZ03934		0.28	0.002	0.13	1.14	49.4	<0.2	<10	210	1.03	0.26	1.33	0.24	21.6	12.7	20
ZZ03935		0.24	0.003	0.15	1.15	42.1	<0.2	<10	200	1.14	0.28	2.22	0.34	23.6	14.6	19
ZZ03936		0.22	0.003	0.11	1.31	45.6	<0.2	<10	200	1.22	0.31	0.42	0.21	22.4	15.8	22
ZZ03937		0.25	0.002	0.16	1.33	26.1	<0.2	<10	210	0.98	0.27	1.10	0.31	20.4	12.5	23
ZZ03938		0.20	0.001	0.06	0.93	10.1	<0.2	<10	120	0.91	0.26	0.25	0.04	17.60	8.0	15
ZZ03939		0.17	0.001	0.04	1.05	17.6	<0.2	<10	140	0.46	0.24	0.17	0.09	20.8	7.5	19
ZZ03940		0.32	0.002	0.11	1.26	38.4	<0.2	<10	190	1.09	0.28	1.44	0.12	20.3	12.7	21
ZZ03941		0.29	0.005	0.09	1.51	49.3	<0.2	<10	200	1.45	0.33	0.70	0.18	21.5	16.4	24
ZZ03942		0.24	0.002	0.17	1.42	27.5	<0.2	<10	260	1.06	0.28	0.68	0.23	22.8	11.9	24
ZZ03943		0.30	0.003	0.12	1.15	40.0	<0.2	<10	250	0.96	0.26	2.03	0.17	20.7	13.4	20
ZZ03944		0.20	0.003	0.16	1.08	35.6	<0.2	10	300	0.92	0.25	2.56	0.54	18.15	12.9	21
ZZ03945		0.25	0.002	0.15	1.22	32.3	<0.2	10	270	0.99	0.28	2.49	0.58	15.65	16.0	20
ZZ03946		0.21	0.001	0.09	0.94	23.4	<0.2	10	240	0.83	0.20	2.97	0.33	14.35	10.4	16
ZZ03947		0.17	0.003	0.26	1.29	25.3	<0.2	10	310	1.05	0.21	2.29	0.53	25.2	10.3	22
ZZ03948		0.17	0.003	0.10	0.98	21.2	<0.2	<10	230	1.13	0.34	0.36	0.19	38.3	15.9	18
ZZ03949		0.26	0.002	0.13	1.35	40.6	<0.2	<10	350	1.24	0.29	0.46	0.25	20.9	14.8	24
ZZ03950		0.15	0.003	0.23	1.30	19.3	<0.2	<10	410	0.95	0.22	1.54	0.39	23.9	11.9	21
ZZ03650		0.12	0.003	0.29	1.66	24.0	<0.2	<10	340	1.11	0.23	1.43	0.58	26.1	11.2	26
CC160135		0.17	0.002	0.16	1.18	61.5	<0.2	<10	280	0.95	0.24	1.65	0.97	18.50	11.9	20
CC160136		0.26	0.002	0.17	1.33	56.3	<0.2	10	370	1.02	0.24	1.15	1.01	19.90	12.1	22
CC160137		0.24	0.002	0.13	1.34	73.8	<0.2	<10	310	1.46	0.31	0.51	0.34	26.8	18.2	25
CC160138		0.23	0.003	0.04	2.25	17.4	<0.2	<10	290	1.17	0.28	0.24	0.12	45.7	11.6	35
CC160139		0.27	0.002	0.11	1.44	38.9	<0.2	<10	280	1.27	0.27	0.46	0.16	23.3	11.2	23
CC160140		0.19	0.003	0.16	1.95	65.6	<0.2	<10	390	1.39	0.27	0.56	0.63	31.6	14.2	28
CC160141		0.26	0.002	0.13	1.37	25.6	<0.2	<10	320	0.68	0.24	0.84	1.03	23.0	15.1	25
ZZ03501		0.26	0.002	0.16	1.18	62.8	<0.2	10	170	1.08	0.28	2.94	0.54	20.0	15.4	19
ZZ03502		0.17	<0.001	0.01	0.72	21.7	<0.2	<10	90	0.22	0.25	0.19	0.13	17.30	4.2	13
ZZ03503		0.23	0.002	0.07	2.06	22.3	<0.2	<10	230	0.69	0.25	0.24	0.21	29.7	10.9	33

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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ03922		1.39	31.3	3.95	3.34	0.06	0.05	0.48	0.037	0.09	8.3	10.6	0.57	651	1.11	0.02
ZZ03923		0.66	25.3	3.74	3.53	0.06	0.06	0.15	0.038	0.10	9.2	10.6	1.02	1300	1.12	0.02
ZZ03924		1.79	27.9	3.20	2.66	0.05	0.05	0.51	0.036	0.10	7.5	9.3	0.80	612	0.90	0.02
ZZ03925		3.78	30.1	3.30	2.65	<0.05	0.04	0.63	0.033	0.08	7.7	10.1	0.88	881	0.90	0.02
ZZ03926		0.67	20.5	3.95	3.83	0.05	0.07	0.43	0.037	0.07	14.8	9.8	1.05	1330	1.01	0.02
ZZ03927		1.49	31.6	3.19	2.49	<0.05	0.05	0.74	0.033	0.08	7.2	8.6	1.25	662	0.92	0.02
ZZ03928		0.62	19.1	3.93	3.19	0.06	0.06	0.41	0.041	0.08	11.2	10.9	0.92	873	1.07	0.02
ZZ03929		0.72	32.7	4.51	4.25	0.08	0.05	0.52	0.048	0.11	16.4	13.4	0.60	1300	1.64	0.01
ZZ03930		0.54	24.2	4.59	3.61	0.08	0.07	0.49	0.046	0.08	18.6	10.9	0.54	1180	1.49	0.01
ZZ03931		2.28	67.7	3.59	2.53	0.07	0.02	0.01	0.022	0.15	26.9	8.9	0.10	1180	1.57	0.01
ZZ03932		0.84	33.3	3.31	3.31	0.05	0.05	0.47	0.030	0.09	12.2	9.2	0.58	735	0.78	0.01
ZZ03933		0.85	40.0	3.69	3.53	<0.05	0.07	0.64	0.038	0.12	6.9	12.6	1.30	735	1.40	0.02
ZZ03934		0.70	31.7	3.96	3.42	0.05	0.07	1.51	0.036	0.08	11.8	12.2	0.83	1020	1.14	0.01
ZZ03935		0.94	33.9	4.02	3.27	0.05	0.07	0.63	0.036	0.10	12.7	11.6	1.15	1260	1.34	0.01
ZZ03936		1.03	32.3	4.09	4.05	<0.05	0.08	0.53	0.037	0.11	9.0	15.8	0.35	867	1.40	0.01
ZZ03937		0.83	27.7	3.45	4.15	<0.05	0.05	0.48	0.031	0.11	9.1	25.4	0.53	666	0.94	0.01
ZZ03938		1.49	15.3	2.64	3.14	<0.05	0.03	0.02	0.024	0.16	7.9	18.5	0.25	301	0.42	0.01
ZZ03939		0.58	10.6	2.97	3.84	<0.05	0.02	0.04	0.022	0.12	9.2	14.2	0.28	311	0.69	0.01
ZZ03940		0.93	28.3	3.82	3.78	<0.05	0.07	0.41	0.032	0.11	9.7	14.0	0.66	806	1.10	0.01
ZZ03941		1.09	35.1	4.44	4.25	0.05	0.07	0.55	0.043	0.13	9.8	15.8	0.44	949	1.14	0.01
ZZ03942		0.89	22.2	3.77	3.93	0.05	0.06	0.18	0.033	0.10	11.9	16.1	0.47	514	1.02	0.01
ZZ03943		1.02	22.8	3.73	3.47	0.05	0.05	0.47	0.032	0.10	10.0	14.5	1.24	955	1.28	0.02
ZZ03944		1.31	48.5	3.59	3.16	<0.05	0.05	0.42	0.028	0.11	8.9	13.8	1.25	937	1.33	0.02
ZZ03945		1.50	36.4	3.99	3.54	<0.05	0.06	0.48	0.034	0.14	6.3	15.1	1.21	810	1.29	0.02
ZZ03946		2.06	24.2	3.29	2.68	<0.05	0.06	0.34	0.027	0.09	6.5	13.2	1.45	1020	0.60	0.01
ZZ03947		0.83	61.5	3.36	3.37	0.05	0.05	0.31	0.033	0.07	13.5	15.4	1.05	927	0.72	0.02
ZZ03948		2.22	28.2	4.80	2.94	0.08	0.05	0.20	0.047	0.11	15.1	11.9	0.28	888	0.79	0.01
ZZ03949		0.94	33.1	4.21	4.12	0.05	0.08	0.52	0.036	0.10	12.1	15.5	0.34	819	1.26	0.01
ZZ03950		0.73	28.6	3.28	3.59	0.05	0.04	0.24	0.031	0.06	10.9	11.6	0.37	820	0.84	0.02
ZZ03650		1.03	27.3	3.38	4.48	0.05	0.05	0.74	0.033	0.07	14.1	17.8	0.49	771	0.84	0.02
CC160135		2.28	29.4	3.39	3.34	<0.05	0.05	0.66	0.030	0.09	8.9	12.0	0.37	719	0.81	0.01
CC160136		1.51	35.2	3.68	3.89	0.05	0.07	0.90	0.034	0.08	9.5	13.4	0.34	379	1.07	0.02
CC160137		1.28	43.0	4.40	4.05	0.06	0.04	1.04	0.039	0.10	15.2	13.8	0.44	1260	1.26	0.01
CC160138		1.50	18.1	3.91	5.90	0.06	0.04	0.06	0.033	0.07	19.8	18.9	0.67	583	0.99	0.02
CC160139		0.96	23.4	3.94	3.74	0.05	0.05	0.42	0.032	0.08	11.6	12.2	0.38	888	0.89	0.01
CC160140		1.43	28.3	4.99	4.57	0.06	0.06	0.73	0.042	0.09	11.5	15.9	0.38	1900	1.17	0.01
CC160141		0.54	15.8	3.94	4.39	<0.05	0.06	0.42	0.033	0.07	8.9	15.8	0.44	535	1.07	0.01
ZZ03501		1.87	41.8	3.87	3.56	<0.05	0.04	0.89	0.035	0.15	8.8	14.3	1.73	857	1.17	0.02
ZZ03502		0.97	8.0	2.60	4.37	<0.05	<0.02	0.05	0.018	0.06	8.6	5.2	0.16	326	1.58	0.01
ZZ03503		1.38	12.4	3.86	5.86	<0.05	0.03	2.20	0.032	0.07	13.4	22.1	0.55	492	1.09	0.02

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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ZZ03922		0.29	26.2	430	28.0	8.8	<0.001	0.03	0.70	4.2	1.1	0.5	22.2	<0.01	0.02	1.9
ZZ03923		0.32	22.3	420	26.3	10.5	0.001	0.03	0.82	4.1	1.1	0.6	29.9	<0.01	0.03	2.2
ZZ03924		0.27	27.2	630	25.0	9.9	<0.001	0.05	0.80	3.9	1.1	0.5	50.0	<0.01	0.02	1.8
ZZ03925		0.29	23.5	550	29.4	12.1	0.001	0.05	0.92	3.5	1.0	0.4	39.0	<0.01	0.02	1.5
ZZ03926		0.52	22.1	510	27.0	7.5	0.001	0.03	0.75	4.5	1.1	0.5	28.4	<0.01	0.02	2.5
ZZ03927		0.28	24.7	590	23.9	6.8	0.001	0.04	0.65	3.9	0.9	0.5	50.1	<0.01	0.04	2.1
ZZ03928		0.35	21.4	320	27.9	9.4	<0.001	0.02	0.68	5.3	1.1	0.5	23.5	<0.01	0.04	3.5
ZZ03929		0.31	33.0	260	43.6	10.2	<0.001	0.01	0.85	10.6	1.6	0.6	17.0	<0.01	0.04	5.3
ZZ03930		0.34	25.1	310	45.0	7.7	<0.001	0.02	0.82	9.0	1.5	0.5	18.9	<0.01	0.04	5.0
ZZ03931		0.22	28.8	400	26.2	14.2	<0.001	0.01	0.43	3.1	0.2	0.4	7.3	<0.01	0.04	5.3
ZZ03932		0.44	23.8	430	25.1	8.3	<0.001	0.03	0.64	4.7	1.0	0.5	35.8	<0.01	0.04	2.3
ZZ03933		0.37	34.2	590	31.2	7.1	<0.001	0.03	0.71	5.5	1.0	0.6	57.8	<0.01	0.03	4.1
ZZ03934		0.42	28.6	250	31.0	6.6	<0.001	0.02	0.74	6.1	0.8	0.4	18.0	<0.01	0.04	3.9
ZZ03935		0.41	32.6	360	31.1	7.5	<0.001	0.03	0.78	6.3	0.9	0.5	30.5	<0.01	0.04	4.3
ZZ03936		0.39	33.6	300	29.3	9.0	<0.001	0.02	0.70	5.6	0.9	0.6	18.8	<0.01	0.03	4.1
ZZ03937		0.61	27.9	350	22.1	9.2	<0.001	0.03	0.57	4.3	0.8	0.5	38.0	<0.01	0.04	2.6
ZZ03938		0.38	14.6	240	12.8	17.5	<0.001	0.01	0.22	2.9	0.3	0.5	24.5	<0.01	0.02	3.6
ZZ03939		0.61	15.9	220	13.7	13.7	<0.001	0.01	0.27	2.1	0.3	0.5	11.9	<0.01	0.02	2.8
ZZ03940		0.34	31.5	320	27.4	8.7	<0.001	0.02	0.53	5.2	1.1	0.5	31.0	<0.01	0.04	4.3
ZZ03941		0.33	36.7	170	27.9	10.4	<0.001	0.01	0.67	7.1	1.1	0.6	19.4	<0.01	0.04	4.8
ZZ03942		0.65	27.4	230	22.4	8.5	<0.001	0.02	0.63	5.7	0.7	0.5	24.4	<0.01	0.04	4.0
ZZ03943		0.39	27.8	240	25.8	8.4	<0.001	0.02	0.64	5.1	1.0	0.5	22.9	<0.01	0.04	3.6
ZZ03944		0.42	26.8	710	25.3	10.2	0.001	0.05	0.82	3.8	1.0	0.4	40.4	<0.01	0.05	1.7
ZZ03945		0.43	35.7	670	28.6	9.3	0.001	0.04	0.66	5.0	0.9	0.5	40.9	<0.01	0.04	3.5
ZZ03946		0.36	19.7	580	18.2	10.8	0.002	0.06	0.48	3.1	1.2	0.4	35.0	<0.01	0.02	1.9
ZZ03947		0.55	21.4	840	21.9	9.5	<0.001	0.06	0.56	3.5	1.2	0.4	70.7	<0.01	0.03	1.2
ZZ03948		0.36	29.0	260	33.5	8.7	<0.001	0.02	0.47	7.5	0.9	0.4	15.7	<0.01	0.05	4.8
ZZ03949		0.43	34.1	270	27.8	9.2	<0.001	0.02	0.65	6.4	0.9	0.6	18.3	<0.01	0.05	4.2
ZZ03950		0.52	23.6	770	18.8	7.4	<0.001	0.06	0.67	3.3	1.1	0.4	43.3	<0.01	0.03	1.1
ZZ03650		0.67	25.4	980	20.0	11.6	<0.001	0.08	0.57	3.6	1.8	0.5	48.4	<0.01	0.03	1.2
CC160135		0.46	25.0	730	26.6	10.2	<0.001	0.06	0.91	3.5	1.2	0.4	44.8	<0.01	0.04	1.2
CC160136		0.62	27.6	680	24.9	11.1	0.002	0.09	1.31	5.1	2.4	0.5	32.1	<0.01	0.05	2.6
CC160137		0.29	37.8	640	33.2	9.5	<0.001	0.02	0.80	8.3	1.4	0.5	18.7	<0.01	0.03	5.1
CC160138		1.11	31.4	270	18.5	11.4	<0.001	0.01	0.46	5.3	0.8	0.7	14.6	<0.01	0.04	5.5
CC160139		0.35	26.3	240	29.4	9.9	<0.001	0.01	0.47	5.3	0.7	0.5	12.7	<0.01	0.03	4.6
CC160140		0.45	31.9	500	59.4	12.0	0.001	0.02	0.77	5.3	1.0	0.6	20.5	<0.01	0.04	3.9
CC160141		0.72	23.3	900	25.3	7.9	0.001	0.04	0.50	4.0	0.8	0.5	24.9	<0.01	0.03	2.9
ZZ03501		0.27	34.2	910	31.3	13.0	<0.001	0.02	0.82	5.5	1.1	0.5	36.5	<0.01	0.04	4.1
ZZ03502		0.88	8.1	130	16.2	16.9	<0.001	0.01	0.35	1.7	0.3	0.6	8.0	<0.01	0.04	2.6
ZZ03503		1.23	22.7	290	18.5	12.7	<0.001	0.01	0.44	3.7	0.5	0.7	13.5	<0.01	0.04	4.1

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03922		0.006	0.15	0.86	34	0.09	12.50	108	1.4
ZZ03923		0.005	0.15	0.77	35	0.08	14.80	126	1.4
ZZ03924		0.005	0.16	0.75	26	0.06	11.40	112	1.4
ZZ03925		0.006	0.15	1.19	28	0.09	10.75	266	1.3
ZZ03926		0.010	0.16	0.77	40	0.13	15.95	137	1.8
ZZ03927		0.005	0.37	0.94	25	0.10	11.75	112	1.5
ZZ03928		0.005	0.15	1.13	39	0.08	15.25	115	1.6
ZZ03929		<0.005	0.25	1.13	51	0.08	28.7	126	1.9
ZZ03930		<0.005	0.22	1.21	46	0.07	24.8	127	2.1
ZZ03931		0.006	0.10	0.54	18	0.05	3.68	62	0.5
ZZ03932		0.009	0.13	0.65	30	0.09	12.95	105	1.4
ZZ03933		0.005	0.21	0.82	31	0.06	10.40	136	2.2
ZZ03934		0.008	0.18	0.57	33	0.09	14.25	111	1.9
ZZ03935		0.006	0.20	1.00	31	0.06	17.45	128	2.2
ZZ03936		0.005	0.18	0.79	34	0.06	10.25	111	2.4
ZZ03937		0.011	0.10	0.77	33	0.09	8.68	92	1.5
ZZ03938		0.008	0.11	0.62	18	0.05	6.92	43	1.0
ZZ03939		0.012	0.09	0.43	27	0.08	3.03	59	0.6
ZZ03940		0.005	0.16	0.67	28	0.05	12.80	99	2.1
ZZ03941		<0.005	0.21	0.85	34	<0.05	14.60	137	2.5
ZZ03942		0.013	0.13	0.67	36	0.14	12.40	101	1.9
ZZ03943		0.006	0.19	0.72	34	0.07	12.35	96	1.8
ZZ03944		0.010	0.18	1.20	32	0.08	10.95	136	1.4
ZZ03945		0.006	0.20	0.95	33	0.05	9.21	161	1.9
ZZ03946		0.007	0.10	0.80	22	0.06	8.48	212	1.7
ZZ03947		0.014	0.08	1.10	33	0.15	13.90	102	1.2
ZZ03948		0.008	0.15	0.71	26	0.06	15.20	69	1.5
ZZ03949		0.006	0.17	0.77	36	0.08	14.50	115	2.2
ZZ03950		0.014	0.08	2.14	33	0.11	10.55	87	1.0
ZZ03650		0.019	0.12	2.77	39	0.13	15.20	101	1.3
CC160135		0.008	0.21	1.85	32	0.08	11.10	601	1.2
CC160136		0.006	0.19	3.43	35	0.09	10.95	540	2.2
CC160137		0.006	0.23	1.47	36	0.05	21.0	140	1.4
CC160138		0.034	0.17	1.48	56	0.22	10.95	85	1.1
CC160139		0.005	0.17	1.02	29	0.06	11.55	97	1.8
CC160140		<0.005	0.28	1.45	40	0.10	10.95	134	1.9
CC160141		0.013	0.10	1.34	38	0.11	6.94	350	1.5
ZZ03501		0.006	0.29	1.04	32	0.05	10.85	174	1.7
ZZ03502		0.020	0.12	0.40	47	0.12	1.80	65	0.5
ZZ03503		0.028	0.18	0.82	60	0.20	4.54	110	1.1



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	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ03504		0.24	0.001	0.04	1.32	48.2	<0.2	<10	210	1.10	0.33	0.14	0.12	19.85	15.0	23
ZZ03505		0.22	0.002	0.04	1.41	30.3	<0.2	<10	300	0.83	0.25	0.46	0.09	18.10	12.0	20
ZZ03506		0.20	0.002	0.08	1.49	23.5	<0.2	<10	250	0.91	0.28	0.44	0.14	20.9	10.2	26
ZZ03507		0.19	0.001	0.18	2.69	27.5	<0.2	<10	200	1.20	0.36	0.04	0.23	24.0	16.9	38
ZZ03508		0.19	0.003	0.15	1.65	18.2	<0.2	<10	310	0.71	0.28	0.58	0.17	35.3	12.2	30
ZZ03509		0.17	0.003	0.26	1.79	33.6	<0.2	<10	340	1.01	0.29	1.07	0.41	27.2	12.9	29
ZZ03510		0.19	0.003	0.20	1.22	48.1	<0.2	<10	190	1.02	0.30	1.11	0.34	22.4	11.9	21
ZZ03511		0.21	0.002	0.12	1.49	27.9	<0.2	<10	220	0.83	0.30	0.52	0.44	24.2	9.9	26
ZZ03512		0.19	0.003	0.20	1.26	42.3	<0.2	<10	230	0.90	0.36	0.91	0.53	20.1	11.5	22
ZZ03513		0.22	0.001	0.06	1.48	55.3	<0.2	<10	240	0.84	0.25	0.24	0.11	19.75	9.4	22
ZZ03514		0.22	0.003	0.03	0.49	18.1	<0.2	<10	170	0.46	0.38	0.33	0.31	9.25	13.3	10
ZZ03515		0.21	0.002	0.14	1.43	51.0	<0.2	<10	240	0.85	0.26	0.66	0.28	21.4	9.8	24
ZZ03516		0.20	0.001	0.07	1.42	50.6	<0.2	<10	190	0.93	0.24	0.51	0.57	32.7	11.2	22
ZZ03517		0.20	0.001	0.11	1.89	98.6	<0.2	<10	230	1.20	0.30	2.05	0.69	35.4	13.9	26
ZZ03518		0.18	0.001	0.16	1.25	66.2	<0.2	<10	140	0.89	0.20	5.52	0.92	27.5	8.2	17
ZZ03519		0.23	0.002	0.17	1.20	132.0	<0.2	<10	120	0.79	0.26	1.88	0.57	25.0	11.9	20
ZZ03520		0.19	0.001	0.12	0.68	27.0	<0.2	<10	140	0.78	0.25	0.23	0.07	42.0	11.1	11
ZZ03521		0.20	0.001	0.09	0.33	22.4	<0.2	<10	50	0.15	0.31	0.11	0.13	23.7	5.9	10
ZZ03522		0.24	<0.001	0.04	0.58	37.9	<0.2	<10	100	0.46	0.37	0.29	0.15	11.40	11.1	12
ZZ03523		0.20	<0.001	0.07	0.61	21.8	<0.2	<10	140	0.41	0.33	0.04	0.35	14.85	9.8	12
ZZ03524		0.25	0.002	0.16	1.09	68.1	<0.2	<10	200	0.81	0.29	0.41	0.13	20.7	9.9	19
ZZ03525		0.13	0.001	0.22	1.18	24.4	<0.2	<10	170	0.83	0.36	0.30	0.21	19.30	10.7	16
ZZ03526		0.23	0.001	0.15	0.79	32.6	<0.2	<10	180	1.23	0.52	0.19	0.21	11.95	23.1	12
ZZ03527		0.17	0.001	0.13	2.09	14.3	<0.2	<10	280	0.58	0.31	0.42	0.13	27.8	8.2	30
ZZ03528		0.17	0.001	0.05	1.09	11.0	<0.2	<10	190	0.66	0.23	0.45	0.15	28.7	6.9	16
ZZ03429		0.18	<0.001	0.09	1.45	67.6	<0.2	<10	150	0.86	0.25	1.58	0.75	26.6	9.8	20
ZZ03530		0.20	0.001	0.06	1.06	67.2	<0.2	<10	70	0.66	0.32	0.46	0.16	22.8	9.9	15
ZZ03531		0.17	<0.001	0.05	1.53	39.3	<0.2	<10	140	0.70	0.27	0.71	0.75	28.4	10.6	23
ZZ03532		0.22	0.002	0.12	1.23	83.2	<0.2	<10	160	0.92	0.26	4.01	0.39	18.65	12.6	17
ZZ03533		0.26	0.007	0.09	1.74	60.4	<0.2	<10	210	1.25	0.31	0.73	0.24	29.3	13.9	26
ZZ03534		0.14	0.001	0.14	1.70	29.0	<0.2	<10	300	1.00	0.27	1.51	0.51	20.3	9.7	23
ZZ03535		0.18	0.003	0.15	1.45	34.0	<0.2	<10	340	0.88	0.25	0.86	0.37	29.9	11.3	23
ZZ03536		0.21	0.002	0.18	1.26	54.3	<0.2	<10	330	0.98	0.26	0.81	1.00	48.5	12.9	21
ZZ03537		0.18	0.002	0.20	1.42	47.7	<0.2	<10	260	1.02	0.22	4.41	0.71	28.5	10.4	23
ZZ03538		0.20	0.002	0.20	1.33	35.7	<0.2	<10	290	0.82	0.25	0.98	0.44	31.5	10.7	24
ZZ03539		0.15	0.003	0.11	1.05	54.1	<0.2	<10	290	0.73	0.23	3.00	0.80	18.45	10.1	17
ZZ03540		0.20	0.003	0.14	1.52	49.0	<0.2	<10	360	1.02	0.29	0.94	0.23	26.8	11.0	24

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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ03504		1.26	33.6	4.24	4.21	<0.05	0.03	0.74	0.033	0.08	8.5	17.1	0.34	697	1.24	0.01
ZZ03505		1.02	19.8	3.91	4.23	<0.05	0.03	0.37	0.031	0.08	6.5	13.4	0.27	911	0.94	0.01
ZZ03506		0.93	20.9	3.88	4.73	<0.05	0.05	0.22	0.032	0.09	9.5	32.7	0.43	366	0.70	0.02
ZZ03507		1.23	25.3	4.49	6.15	<0.05	0.07	0.35	0.053	0.07	10.1	20.5	0.45	451	1.60	0.01
ZZ03508		0.97	18.3	3.36	5.43	<0.05	0.04	0.17	0.034	0.07	15.0	22.7	0.58	513	1.25	0.01
ZZ03509		0.92	30.5	3.56	5.43	0.05	0.05	3.42	0.039	0.08	13.5	15.5	0.54	844	1.18	0.01
ZZ03510		0.84	30.7	3.63	3.65	<0.05	0.07	0.74	0.040	0.08	10.6	11.6	0.50	805	1.06	0.01
ZZ03511		1.84	22.7	3.50	5.44	<0.05	0.03	0.14	0.036	0.11	10.5	16.9	0.34	808	1.09	0.01
ZZ03512		1.03	28.2	3.66	3.92	<0.05	0.05	0.54	0.037	0.09	11.0	12.8	0.33	748	1.05	0.01
ZZ03513		1.37	14.5	3.60	4.15	<0.05	0.04	0.44	0.033	0.08	8.2	13.6	0.31	557	0.80	0.01
ZZ03514		10.90	9.9	4.02	2.48	<0.05	<0.02	0.08	0.031	0.13	3.2	2.9	0.08	643	0.71	0.01
ZZ03515		1.10	21.8	3.34	4.56	<0.05	0.06	0.48	0.038	0.08	10.8	11.7	0.43	660	1.31	0.01
ZZ03516		0.95	16.1	3.61	4.33	<0.05	0.05	0.33	0.035	0.09	14.0	11.0	0.28	1520	0.96	0.01
ZZ03517		0.85	22.5	5.51	5.33	0.05	0.10	0.30	0.040	0.13	17.4	14.0	1.38	3170	1.31	0.01
ZZ03518		1.02	18.3	3.14	3.34	<0.05	0.06	0.45	0.033	0.07	12.2	9.3	2.34	1400	0.75	0.02
ZZ03519		0.76	21.3	4.09	3.42	<0.05	0.09	1.67	0.034	0.08	12.2	9.5	1.16	1100	1.05	0.01
ZZ03520		2.12	16.0	2.81	1.97	0.05	0.04	0.30	0.036	0.08	13.5	5.1	0.07	316	0.71	0.01
ZZ03521		1.31	13.4	2.32	2.89	<0.05	<0.02	0.04	0.017	0.09	10.6	1.5	0.04	121	1.61	0.01
ZZ03522		1.29	19.7	3.24	2.59	<0.05	0.03	0.08	0.031	0.08	5.6	6.4	0.12	332	1.07	0.01
ZZ03523		2.55	18.8	3.96	3.28	<0.05	<0.02	0.07	0.035	0.10	6.3	3.8	0.08	413	0.95	0.01
ZZ03524		1.25	23.2	3.54	3.05	<0.05	0.06	1.00	0.033	0.06	9.4	9.8	0.25	721	1.03	0.01
ZZ03525		6.99	16.7	2.78	4.74	<0.05	0.02	0.05	0.035	0.06	8.3	11.7	0.21	916	0.72	0.01
ZZ03526		40.0	24.6	3.39	3.10	<0.05	<0.02	0.38	0.039	0.10	5.0	11.4	0.12	844	1.06	0.01
ZZ03527		1.80	14.4	3.53	7.38	<0.05	0.02	0.05	0.032	0.06	12.8	19.1	0.43	378	1.00	0.01
ZZ03528		2.23	12.7	2.65	3.11	<0.05	0.04	0.16	0.029	0.07	11.2	9.7	0.14	257	0.70	0.01
ZZ03429		0.70	16.1	3.87	4.23	<0.05	0.10	0.42	0.038	0.09	10.2	9.9	0.88	1740	0.81	0.01
ZZ03530		1.38	18.1	2.85	3.34	<0.05	0.04	0.43	0.031	0.05	7.5	5.8	0.14	393	0.79	0.01
ZZ03531		0.77	13.3	3.46	4.90	<0.05	0.04	0.11	0.039	0.06	10.8	12.7	0.34	1420	0.83	0.01
ZZ03532		0.83	29.1	3.78	3.34	<0.05	0.09	0.85	0.033	0.12	8.3	11.1	2.22	1170	1.06	0.02
ZZ03533		1.07	24.4	3.98	5.24	0.05	0.08	0.61	0.042	0.10	12.9	12.5	0.35	987	0.96	0.01
ZZ03534		1.04	20.6	3.13	4.90	<0.05	0.06	0.33	0.033	0.07	11.3	11.5	0.37	626	0.75	0.01
ZZ03535		1.10	17.1	3.59	4.17	<0.05	0.05	0.54	0.033	0.08	13.3	12.5	0.42	1700	1.06	0.01
ZZ03536		0.98	20.3	5.40	3.75	0.06	0.06	0.86	0.051	0.08	17.1	9.8	0.31	2610	1.07	0.01
ZZ03537		0.88	18.3	4.68	3.65	0.05	0.06	0.92	0.034	0.06	18.4	12.0	2.49	2790	1.06	0.02
ZZ03538		1.00	24.3	3.54	3.79	<0.05	0.04	0.51	0.034	0.07	13.8	11.6	0.41	944	0.96	0.01
ZZ03539		5.11	26.9	2.95	3.03	<0.05	0.05	1.85	0.030	0.08	7.8	10.3	1.05	832	0.83	0.01
ZZ03540		0.78	28.4	3.98	4.26	0.05	0.07	0.61	0.039	0.07	12.8	14.7	0.51	720	1.01	0.01

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**CERTIFICATE OF ANALYSIS WH12163465**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ03504		0.57	30.7	380	28.9	9.8	0.001	0.01	0.62	4.5	0.7	0.6	14.7	<0.01	0.05	4.4
ZZ03505		0.48	20.3	210	22.4	12.6	<0.001	0.01	0.36	3.1	0.5	0.5	17.4	<0.01	0.03	3.1
ZZ03506		0.71	23.0	320	24.0	12.5	<0.001	0.03	0.29	4.4	0.6	0.6	18.5	<0.01	0.03	3.8
ZZ03507		0.90	39.1	210	25.6	14.2	0.001	0.01	0.61	4.4	0.9	0.8	8.3	<0.01	0.04	6.0
ZZ03508		1.02	29.1	580	16.9	9.9	0.001	0.02	0.65	4.2	0.8	0.6	25.6	<0.01	0.04	3.3
ZZ03509		0.68	29.1	570	21.8	9.9	<0.001	0.03	0.64	4.2	1.4	0.6	26.2	<0.01	0.04	2.1
ZZ03510		0.41	28.6	560	29.4	8.6	0.001	0.03	0.84	5.3	1.1	0.5	24.1	<0.01	0.03	3.1
ZZ03511		0.72	21.8	370	23.3	22.1	<0.001	0.01	0.50	4.6	0.5	0.6	18.1	<0.01	0.04	3.3
ZZ03512		0.47	25.9	540	26.1	10.4	<0.001	0.04	0.71	4.5	0.8	0.5	24.8	<0.01	0.04	2.3
ZZ03513		0.52	21.1	210	21.2	10.8	<0.001	0.01	0.46	4.1	0.5	0.6	12.9	<0.01	0.02	3.9
ZZ03514		0.24	16.2	600	11.0	14.7	<0.001	0.03	0.40	3.3	0.2	0.4	13.3	<0.01	0.04	1.5
ZZ03515		0.60	24.2	320	22.4	10.4	<0.001	0.02	0.66	4.6	1.0	0.6	18.7	<0.01	0.04	3.1
ZZ03516		0.62	21.1	250	27.9	12.6	<0.001	0.02	0.56	5.0	1.0	0.6	16.8	<0.01	0.02	3.9
ZZ03517		0.57	30.0	470	33.1	13.4	<0.001	0.04	0.86	6.6	1.1	0.6	12.2	<0.01	0.05	4.4
ZZ03518		0.37	19.6	900	38.2	7.9	<0.001	0.07	0.97	3.2	0.8	0.4	48.0	<0.01	0.07	1.4
ZZ03519		0.45	27.0	480	37.4	6.8	<0.001	0.04	1.35	4.9	1.0	0.5	17.5	<0.01	0.04	3.8
ZZ03520		0.25	21.8	200	23.5	8.7	0.001	0.02	0.17	5.7	0.8	0.4	15.5	<0.01	0.02	6.5
ZZ03521		0.51	18.2	260	13.7	16.6	<0.001	0.01	0.52	1.0	0.5	0.5	13.1	<0.01	0.03	1.3
ZZ03522		0.42	19.5	400	14.9	17.4	<0.001	0.02	0.57	2.6	0.5	0.4	16.5	<0.01	0.06	1.7
ZZ03523		0.43	21.1	460	15.3	13.1	<0.001	0.02	0.45	2.2	0.3	0.5	10.3	<0.01	0.07	0.8
ZZ03524		0.31	24.6	320	26.5	7.7	<0.001	0.02	0.71	4.4	0.9	0.4	16.8	<0.01	0.04	3.5
ZZ03525		0.62	17.8	380	19.5	16.4	<0.001	0.02	0.28	2.8	0.4	0.6	21.5	<0.01	0.04	1.4
ZZ03526		0.42	23.0	410	42.9	22.2	<0.001	0.02	0.37	4.0	0.5	0.5	15.8	<0.01	0.09	1.1
ZZ03527		1.38	15.4	330	19.9	12.6	<0.001	0.01	0.26	3.2	0.2	0.8	18.6	<0.01	0.03	3.2
ZZ03528		0.49	15.0	350	20.9	10.0	<0.001	0.02	0.27	2.6	0.6	0.4	29.4	<0.01	0.01	3.1
ZZ03429		0.47	17.8	570	50.6	12.0	<0.001	0.04	1.03	4.0	0.7	0.5	14.1	<0.01	0.03	2.6
ZZ03530		0.46	21.2	270	48.8	6.5	<0.001	0.02	1.84	4.0	0.7	0.5	19.6	<0.01	0.06	3.2
ZZ03531		0.73	19.3	340	24.9	8.6	<0.001	0.03	0.58	3.4	0.6	0.6	18.6	<0.01	0.05	2.4
ZZ03532		0.32	28.5	570	25.3	8.5	<0.001	0.05	0.76	4.7	0.8	0.5	24.5	<0.01	0.03	2.9
ZZ03533		0.51	30.1	240	28.5	10.9	<0.001	0.02	0.57	6.2	0.8	0.7	23.5	<0.01	0.04	5.1
ZZ03534		0.58	19.2	650	21.0	9.8	<0.001	0.05	0.46	3.6	0.9	0.6	26.8	<0.01	0.03	1.6
ZZ03535		0.55	24.8	610	24.9	9.8	0.001	0.03	0.63	4.3	0.8	0.5	23.6	<0.01	0.04	2.4
ZZ03536		0.33	28.1	540	37.6	9.9	<0.001	0.03	0.85	5.9	1.4	0.5	26.1	<0.01	0.06	4.0
ZZ03537		0.40	25.3	520	31.9	7.6	<0.001	0.04	0.72	5.8	1.6	0.5	23.2	<0.01	0.04	2.7
ZZ03538		0.49	25.4	750	24.0	8.1	0.001	0.04	0.74	4.0	0.9	0.5	27.7	<0.01	0.03	1.7
ZZ03539		0.41	21.2	710	20.8	13.6	<0.001	0.08	0.86	2.8	1.2	0.4	53.7	<0.01	0.03	1.1
ZZ03540		0.57	27.7	480	25.5	7.6	<0.001	0.03	0.68	5.8	1.2	0.5	23.1	<0.01	0.03	3.9



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ03504		0.009	0.19	0.84	35	0.06	6.39	117	1.3
ZZ03505		0.007	0.17	0.75	35	0.07	3.03	76	1.0
ZZ03506		0.014	0.12	0.72	38	0.11	6.79	104	1.6
ZZ03507		0.017	0.18	0.83	57	0.18	3.88	110	2.9
ZZ03508		0.040	0.13	1.23	51	0.22	8.14	97	1.2
ZZ03509		0.014	0.13	1.41	49	0.14	12.05	122	1.2
ZZ03510		0.008	0.16	1.17	31	0.08	14.30	133	1.7
ZZ03511		0.013	0.14	1.23	44	0.10	5.54	197	0.8
ZZ03512		0.009	0.13	1.24	35	0.09	11.45	165	1.4
ZZ03513		0.007	0.19	0.65	33	0.08	4.46	88	1.3
ZZ03514		0.007	0.08	0.29	23	0.12	2.40	72	<0.5
ZZ03515		0.011	0.21	1.03	44	0.12	8.85	135	1.6
ZZ03516		0.012	0.18	0.97	40	0.10	11.35	147	1.6
ZZ03517		0.009	0.24	0.85	48	0.13	18.80	258	2.9
ZZ03518		0.009	0.16	1.02	31	0.09	15.80	432	1.7
ZZ03519		0.009	0.28	1.13	33	0.17	13.90	439	2.4
ZZ03520		<0.005	0.22	0.65	14	0.06	8.81	54	1.7
ZZ03521		0.021	0.08	0.38	31	0.14	1.95	72	<0.5
ZZ03522		0.008	0.08	0.39	26	0.08	2.93	59	0.7
ZZ03523		0.013	0.07	0.56	33	0.11	4.71	83	<0.5
ZZ03524		0.006	0.15	0.92	30	0.07	8.60	89	1.6
ZZ03525		0.012	0.12	0.72	35	0.10	5.99	68	<0.5
ZZ03526		0.007	0.17	0.60	25	0.08	4.95	67	<0.5
ZZ03527		0.028	0.18	0.88	69	0.23	3.64	107	0.6
ZZ03528		0.009	0.18	0.78	29	0.10	5.96	69	1.2
ZZ03429		0.009	0.23	1.01	36	0.11	8.46	262	2.2
ZZ03530		0.007	0.41	0.84	28	0.10	7.37	77	1.3
ZZ03531		0.015	0.19	0.94	48	0.13	5.17	164	1.2
ZZ03532		<0.005	0.28	0.93	30	0.06	12.25	167	2.1
ZZ03533		0.006	0.21	1.16	41	0.07	13.00	132	2.9
ZZ03534		0.010	0.11	1.79	39	0.09	9.28	129	1.3
ZZ03535		0.014	0.16	1.38	38	0.13	10.80	108	1.3
ZZ03536		0.006	0.19	1.42	36	0.08	19.00	294	1.3
ZZ03537		0.009	0.17	1.40	43	0.10	24.2	189	1.7
ZZ03538		0.016	0.13	1.35	38	0.13	12.55	102	1.0
ZZ03539		0.008	0.17	1.93	27	0.09	8.49	420	1.2
ZZ03540		0.008	0.16	1.06	40	0.09	13.50	113	2.0



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12163465**

<b>CERTIFICATE COMMENTS</b>	
Applies to Method:	



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**CERTIFICATE WH12163466**

Project: Crag East  
 P.O. No.: Batch 9  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER


<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12163466**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
N633978		0.02	0.001	<0.01	0.02	228	<0.2	<10	10	0.08	0.03	19.35	0.02	0.88	0.8	1
N833979		8.20	0.001	<0.01	0.02	342	<0.2	<10	10	0.10	0.02	19.35	0.01	0.73	0.9	1
N833980		8.33	<0.001	<0.01	0.02	197	<0.2	<10	10	0.05	0.01	19.90	0.02	0.69	0.9	<1
N833981		8.47	0.001	<0.01	0.02	218	<0.2	<10	10	0.07	<0.01	19.05	0.01	0.84	1.0	<1
N833982		7.93	<0.001	<0.01	0.02	215	<0.2	<10	10	0.06	<0.01	18.75	0.01	0.76	1.0	<1
N833983		<0.02	<0.001	<0.01	0.02	183	<0.2	<10	<10	0.06	<0.01	18.65	<0.01	0.80	0.9	<1
N833984		8.34	0.001	<0.01	0.02	154	<0.2	<10	<10	<0.05	<0.01	19.00	<0.01	0.84	0.9	<1
N833985		8.38	0.001	<0.01	0.02	360	<0.2	<10	<10	0.09	<0.01	19.90	0.30	1.24	0.8	<1
N833986		7.96	0.001	<0.01	0.01	318	<0.2	<10	<10	0.09	<0.01	19.10	<0.01	0.73	1.0	<1
N833987		8.34	<0.001	<0.01	0.01	182	<0.2	<10	<10	<0.05	<0.01	19.70	<0.01	0.72	0.9	<1
N833988		7.87	0.001	<0.01	0.02	148	<0.2	<10	<10	0.14	<0.01	19.25	0.06	1.54	0.9	<1
N833989		7.94	3.74	1.54	0.31	663	<0.2	<10	70	0.31	3.96	2.02	1.94	4.35	7.0	20
N833990		0.26	0.003	0.01	0.02	351	<0.2	<10	<10	0.20	0.03	18.75	0.05	1.31	0.9	1
N833991		7.72	0.001	<0.01	0.02	531	<0.2	<10	10	0.15	0.01	19.90	0.03	2.64	0.9	1
N833992		8.39	0.001	<0.01	0.02	309	<0.2	<10	10	0.20	0.03	18.95	0.02	2.77	0.9	1
N833993		8.48	0.001	<0.01	0.07	3	<0.2	<10	20	<0.05	0.05	18.80	0.05	1.02	1.4	3
N833994		6.02	0.001	<0.01	0.02	466	<0.2	<10	<10	0.10	<0.01	18.90	0.01	0.99	0.8	1
N833995		8.35	0.001	<0.01	0.03	91	<0.2	<10	10	0.09	<0.01	19.60	0.03	1.72	1.0	1
N833996		8.22	0.001	<0.01	0.03	668	<0.2	<10	50	0.30	3.91	2.04	1.70	4.54	6.8	20
N833997		0.25	0.003	<0.01	0.05	122	<0.2	<10	20	0.11	0.01	19.85	0.08	2.17	1.0	1
N833998		8.60	0.002	0.01	0.06	109	<0.2	<10	30	0.09	0.02	19.40	<0.01	2.61	1.4	1
N833999		4.31	0.003	<0.01	0.04	337	<0.2	<10	10	0.06	<0.01	19.85	<0.01	1.23	0.9	1
N834000		3.88	0.002	<0.01	0.02	459	<0.2	<10	<10	<0.05	<0.01	19.00	<0.01	0.83	0.9	<1
L842001		8.35	0.003	<0.01	0.03	555	<0.2	<10	10	0.05	<0.01	19.50	<0.01	1.15	0.9	<1
L842002		8.63	<0.001	0.01	0.03	2	<0.2	<10	10	<0.05	0.03	18.50	0.05	1.14	1.6	1
L842003		3.78	0.001	<0.01	0.02	253	<0.2	<10	<10	<0.05	<0.01	19.35	<0.01	0.94	0.9	<1
L842004		8.36	<0.001	<0.01	0.02	187	<0.2	<10	<10	<0.05	<0.01	19.00	<0.01	0.81	0.9	<1
L842005		3.57	0.001	<0.01	0.02	157	<0.2	<10	<10	<0.05	<0.01	18.85	<0.01	0.71	1.0	<1
L842006		8.22	0.001	<0.01	0.02	403	<0.2	<10	10	<0.05	<0.01	19.85	<0.01	0.81	1.0	<1
L842007		8.13	0.001	<0.01	0.03	419	<0.2	<10	10	0.09	<0.01	19.20	0.02	0.92	1.0	1
L842008		8.07	0.001	<0.01	0.02	190	<0.2	<10	10	0.08	0.01	19.40	<0.01	0.98	1.0	<1
L842009		4.29	0.001	<0.01	0.03	204	<0.2	<10	10	0.15	<0.01	19.90	0.03	1.19	1.1	<1
L842010		3.72	0.001	<0.01	0.02	231	<0.2	<10	10	0.09	<0.01	19.70	0.02	0.87	1.0	<1
L842011		6.93	0.001	<0.01	0.02	278	<0.2	<10	10	0.09	<0.01	19.80	<0.01	0.90	1.0	<1
L842012		5.09	<0.001	<0.01	0.07	586	<0.2	<10	10	0.09	<0.01	19.05	0.04	1.20	1.0	1
L842013		1.74	<0.001	0.02	0.04	405	<0.2	<10	10	0.11	<0.01	21.1	0.10	1.81	0.8	1



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Project: Crag East

<b>CERTIFICATE OF ANALYSIS WH12163466</b>
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Method Analyte Units LOR	ME-MS41 Cs ppm	ME-MS41 Cu ppm	ME-MS41 Fe %	ME-MS41 Ga ppm	ME-MS41 Ge ppm	ME-MS41 Hf ppm	ME-MS41 Hg ppm	ME-MS41 In ppm	ME-MS41 K %	ME-MS41 La ppm	ME-MS41 Li ppm	ME-MS41 Mg %	ME-MS41 Mn ppm	ME-MS41 Mo ppm	ME-MS41 Na %
N633978	<0.05	2.1	0.56	0.21	0.10	<0.02	2.22	<0.005	<0.01	0.5	0.7	11.65	678	0.06	0.02
N833979	<0.05	1.9	0.40	0.25	0.14	<0.02	1.03	<0.005	<0.01	0.5	0.7	11.95	723	<0.05	0.02
N833980	<0.05	1.7	0.35	0.24	0.14	<0.02	13.50	<0.005	<0.01	0.4	0.7	11.90	573	<0.05	0.02
N833981	<0.05	2.3	0.38	0.31	0.16	<0.02	1.95	<0.005	<0.01	0.5	0.7	12.10	498	<0.05	0.02
N833982	<0.05	1.9	0.37	0.28	0.15	<0.02	1.23	<0.005	<0.01	0.4	0.6	11.80	489	<0.05	0.02
N833983	<0.05	1.5	0.43	0.27	0.16	<0.02	2.02	<0.005	<0.01	0.4	0.6	11.55	553	<0.05	0.02
N833984	<0.05	1.5	0.40	0.27	0.14	<0.02	0.38	<0.005	<0.01	0.5	0.6	11.75	539	<0.05	0.02
N833985	<0.05	1.6	0.73	0.26	0.12	<0.02	2.22	<0.005	<0.01	0.8	0.5	11.90	789	<0.05	0.02
N833986	<0.05	1.6	0.39	0.24	0.11	<0.02	4.35	<0.005	<0.01	0.4	0.7	12.00	555	<0.05	0.02
N833987	<0.05	1.5	0.40	0.27	0.17	<0.02	1.26	<0.005	<0.01	0.4	0.6	11.85	545	<0.05	0.02
N833988	<0.05	1.9	0.89	0.25	0.12	<0.02	3.68	<0.005	<0.01	1.1	0.6	11.70	907	<0.05	0.02
N833989	1.63	74.5	2.75	1.19	0.08	0.20	5.05	0.156	0.18	2.3	1.6	0.85	287	26.5	<0.01
N833990	<0.05	2.4	0.76	0.18	0.06	<0.02	4.75	0.006	<0.01	0.8	0.6	11.70	819	0.23	0.02
N833991	<0.05	1.8	0.69	0.24	0.10	<0.02	9.05	<0.005	<0.01	1.7	0.8	11.55	797	0.09	0.02
N833992	<0.05	2.6	0.63	0.24	0.11	<0.02	10.60	<0.005	<0.01	1.9	0.7	11.35	735	0.06	0.02
N833993	0.49	3.1	0.42	0.37	0.12	<0.02	0.17	<0.005	0.04	0.5	1.5	11.85	201	0.09	0.01
N833994	<0.05	1.3	0.53	0.23	0.12	<0.02	13.10	<0.005	<0.01	0.7	0.6	11.20	636	0.05	0.02
N833995	<0.05	1.9	0.56	0.27	0.11	<0.02	25.1	<0.005	0.01	1.1	0.7	11.70	668	0.09	0.02
N833996	1.61	68.7	2.79	1.06	0.08	0.20	5.14	0.137	0.18	2.4	1.6	0.86	291	25.1	<0.01
N833997	0.05	2.4	0.46	0.27	0.08	0.02	3.63	<0.005	0.01	1.6	0.9	11.50	567	0.15	0.02
N833998	<0.05	3.4	0.49	0.35	0.13	0.04	6.28	<0.005	0.01	1.9	1.0	11.90	475	0.21	0.02
N833999	<0.05	2.1	0.39	0.27	0.12	<0.02	10.25	<0.005	0.01	0.7	0.8	11.80	423	0.07	0.02
N834000	<0.05	1.4	0.37	0.26	0.14	<0.02	6.56	<0.005	<0.01	0.5	0.7	11.65	479	<0.05	0.02
L842001	<0.05	12.2	0.37	0.20	0.09	<0.02	161.5	<0.005	<0.01	0.6	1.0	11.30	461	0.24	0.02
L842002	0.25	10.2	0.41	0.27	0.11	<0.02	1.71	<0.005	0.02	0.6	0.8	11.70	200	0.25	0.01
L842003	<0.05	5.7	0.35	0.26	0.14	<0.02	13.60	<0.005	<0.01	0.5	0.7	11.50	401	0.13	0.02
L842004	<0.05	3.3	0.35	0.24	0.13	<0.02	22.0	<0.005	<0.01	0.4	0.6	11.30	398	0.08	0.02
L842005	<0.05	2.4	0.32	0.23	0.12	<0.02	30.3	<0.005	<0.01	0.4	0.6	11.55	349	0.06	0.02
L842006	<0.05	2.6	0.35	0.25	0.12	<0.02	43.9	<0.005	<0.01	0.4	0.6	11.90	394	0.06	0.02
L842007	0.10	3.2	0.41	0.28	0.11	<0.02	26.4	<0.005	<0.01	0.5	0.6	11.75	458	0.07	0.02
L842008	<0.05	3.9	0.34	0.26	0.13	<0.02	11.70	<0.005	<0.01	0.5	0.6	11.45	390	0.10	0.02
L842009	0.14	3.4	0.47	0.28	0.12	<0.02	3.66	<0.005	0.01	0.7	0.8	11.25	504	0.08	0.02
L842010	<0.05	3.3	0.45	0.24	0.12	<0.02	4.32	<0.005	<0.01	0.5	0.7	11.50	535	0.07	0.02
L842011	<0.05	3.2	0.35	0.28	0.13	<0.02	1.48	<0.005	<0.01	0.5	0.8	11.60	429	0.06	0.01
L842012	0.68	3.0	0.44	0.35	0.11	<0.02	5.37	<0.005	0.02	0.6	1.3	11.05	474	0.09	0.02
L842013	0.26	1.5	0.59	0.15	0.07	0.02	11.00	<0.005	0.01	1.0	1.0	11.10	652	0.06	0.03

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Project: Crag East

<b>CERTIFICATE OF ANALYSIS WH12163466</b>
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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
N633978		0.14	<0.2	250	11.9	0.3	<0.001	0.03	1.64	0.2	0.3	<0.2	93.8	<0.01	<0.01	<0.2
N833979		0.15	<0.2	200	1.7	0.1	<0.001	0.03	2.96	0.1	0.2	<0.2	98.3	<0.01	<0.01	<0.2
N833980		0.16	<0.2	220	1.5	0.1	<0.001	0.03	0.48	0.1	0.2	<0.2	81.8	<0.01	<0.01	<0.2
N833981		0.17	<0.2	240	1.9	0.1	<0.001	0.03	13.45	0.1	0.3	<0.2	87.3	<0.01	<0.01	<0.2
N833982		0.16	<0.2	230	1.7	0.1	<0.001	0.03	3.53	0.1	0.2	<0.2	86.7	<0.01	<0.01	<0.2
N833983		0.16	<0.2	180	0.8	0.1	<0.001	0.03	3.94	0.1	0.3	<0.2	79.0	<0.01	<0.01	<0.2
N833984		0.15	<0.2	200	0.6	<0.1	<0.001	0.03	0.37	0.1	0.2	<0.2	74.7	<0.01	<0.01	<0.2
N833985		0.16	<0.2	210	2.8	0.1	<0.001	0.05	1.97	0.2	0.3	<0.2	67.1	<0.01	<0.01	<0.2
N833986		0.13	<0.2	220	1.2	<0.1	<0.001	0.03	0.53	0.1	0.3	<0.2	81.7	<0.01	<0.01	<0.2
N833987		0.16	<0.2	220	1.0	<0.1	<0.001	0.03	1.06	0.1	0.2	<0.2	64.6	<0.01	<0.01	<0.2
N833988		0.17	<0.2	210	5.3	0.1	<0.001	0.12	0.66	0.2	0.3	<0.2	88.7	<0.01	<0.01	<0.2
N833989		0.13	70.5	820	19.1	12.2	0.035	1.92	9.98	3.3	6.2	2.2	32.2	<0.01	0.67	1.9
N833990		0.17	<0.2	220	3.5	0.1	0.001	0.05	1.58	0.2	0.3	<0.2	89.0	<0.01	<0.01	<0.2
N833991		0.18	<0.2	240	1.9	0.1	<0.001	0.07	1.45	0.4	0.3	<0.2	93.6	<0.01	<0.01	<0.2
N833992		0.16	<0.2	200	2.2	0.1	<0.001	0.06	1.40	0.5	0.3	<0.2	87.1	<0.01	<0.01	<0.2
N833993		0.18	<0.2	200	1.0	2.8	<0.001	0.03	0.06	0.5	0.2	<0.2	45.4	<0.01	<0.01	<0.2
N833994		0.15	<0.2	170	3.6	0.1	<0.001	0.07	1.44	0.2	0.3	<0.2	90.3	<0.01	<0.01	<0.2
N833995		0.15	<0.2	390	8.7	0.2	<0.001	0.09	0.49	0.3	0.2	<0.2	107.0	<0.01	<0.01	<0.2
N833996		0.12	66.6	830	18.8	12.8	0.033	1.95	9.02	3.4	6.3	2.1	35.8	<0.01	0.64	2.0
N833997		0.16	<0.2	370	3.8	0.4	<0.001	0.06	1.67	0.7	0.4	<0.2	135.5	<0.01	<0.01	0.2
N833998		0.16	<0.2	290	5.8	0.4	0.001	0.17	1.25	0.7	0.4	<0.2	202	<0.01	0.01	0.3
N833999		0.15	<0.2	300	1.3	0.3	<0.001	0.03	1.27	0.3	0.3	<0.2	115.5	<0.01	0.01	<0.2
N834000		0.15	<0.2	200	0.9	0.1	<0.001	0.04	0.66	0.2	0.3	<0.2	93.6	<0.01	<0.01	<0.2
L842001		0.15	<0.2	230	9.5	0.2	<0.001	0.05	3.92	0.2	0.3	<0.2	101.0	<0.01	0.01	<0.2
L842002		0.15	<0.2	160	5.6	1.4	<0.001	0.03	0.08	0.4	0.3	<0.2	45.8	<0.01	<0.01	<0.2
L842003		0.14	<0.2	210	3.2	0.1	<0.001	0.03	1.01	0.2	0.2	<0.2	83.4	<0.01	<0.01	<0.2
L842004		0.14	<0.2	190	1.9	0.1	<0.001	0.03	0.64	0.1	0.3	<0.2	81.0	<0.01	<0.01	<0.2
L842005		0.14	<0.2	190	1.0	0.1	<0.001	0.03	0.98	0.2	0.3	<0.2	91.5	<0.01	<0.01	<0.2
L842006		0.15	<0.2	190	1.2	0.1	<0.001	0.04	1.48	0.2	0.2	<0.2	107.0	<0.01	<0.01	<0.2
L842007		0.15	<0.2	200	2.6	0.2	<0.001	0.02	5.56	0.2	0.2	<0.2	93.9	<0.01	<0.01	<0.2
L842008		0.14	<0.2	250	2.3	0.1	<0.001	0.03	3.30	0.2	0.3	<0.2	104.5	<0.01	<0.01	<0.2
L842009		0.16	<0.2	250	3.1	0.3	<0.001	0.03	11.50	0.3	0.3	<0.2	149.0	<0.01	<0.01	<0.2
L842010		0.15	<0.2	220	2.1	0.1	<0.001	0.02	2.42	0.2	0.3	<0.2	110.5	<0.01	<0.01	<0.2
L842011		0.15	<0.2	240	1.1	0.1	<0.001	0.01	1.85	0.2	0.3	<0.2	112.0	<0.01	<0.01	<0.2
L842012		0.14	<0.2	250	2.6	0.9	<0.001	0.02	4.13	0.4	0.2	<0.2	88.7	<0.01	<0.01	<0.2
L842013		0.18	3.5	250	3.2	0.3	<0.001	0.01	7.00	0.3	<0.2	<0.2	86.9	<0.01	0.02	<0.2



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163466**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
N833978		<0.005	0.47	0.99	<1	<0.05	1.82	31	<0.5
N833979		<0.005	0.50	0.92	<1	<0.05	1.34	21	<0.5
N833980		<0.005	0.58	1.02	<1	<0.05	2.01	11	<0.5
N833981		<0.005	0.55	0.96	<1	0.10	1.49	20	<0.5
N833982		<0.005	0.54	0.95	<1	0.10	1.45	20	<0.5
N833983		<0.005	0.49	0.87	<1	<0.05	1.61	11	<0.5
N833984		<0.005	0.48	1.00	<1	<0.05	1.57	9	<0.5
N833985		<0.005	0.62	0.95	<1	<0.05	1.46	119	<0.5
N833986		<0.005	0.61	1.16	<1	<0.05	1.49	18	<0.5
N833987		<0.005	0.33	1.00	<1	<0.05	1.27	12	<0.5
N833988		<0.005	0.22	1.10	<1	<0.05	1.78	51	<0.5
N833989		<0.005	2.12	1.63	59	2.38	7.01	140	7.9
N833990		<0.005	0.52	1.07	1	<0.05	1.58	49	<0.5
N833991		<0.005	0.29	1.29	1	<0.05	2.21	35	<0.5
N833992		<0.005	0.38	1.32	1	0.26	2.04	13	<0.5
N833993		<0.005	<0.02	0.60	2	<0.05	0.97	14	<0.5
N833994		<0.005	0.38	0.92	<1	<0.05	1.56	13	<0.5
N833995		<0.005	0.17	1.35	1	<0.05	2.39	27	0.6
N833996		<0.005	1.93	1.73	60	2.38	7.31	142	7.9
N833997		<0.005	0.44	1.22	2	0.52	2.97	46	0.8
N833998		<0.005	0.34	1.59	1	<0.05	2.28	3	1.5
N833999		<0.005	0.92	1.07	1	0.05	1.68	9	<0.5
N834000		<0.005	0.38	1.10	<1	0.07	1.52	3	<0.5
L842001		<0.005	0.66	1.12	<1	<0.05	2.06	9	<0.5
L842002		<0.005	<0.02	0.37	1	<0.05	0.94	13	<0.5
L842003		<0.005	0.55	1.13	<1	<0.05	1.92	9	<0.5
L842004		<0.005	0.60	1.14	<1	<0.05	1.90	9	<0.5
L842005		<0.005	0.41	1.14	1	<0.05	1.40	14	<0.5
L842006		<0.005	1.13	1.13	<1	<0.05	1.24	18	<0.5
L842007		<0.005	1.37	1.42	1	<0.05	1.37	33	0.6
L842008		<0.005	0.78	1.36	<1	0.05	1.78	17	0.5
L842009		<0.005	1.09	1.66	1	0.11	2.08	40	1.3
L842010		<0.005	0.77	1.58	1	0.07	1.46	29	0.7
L842011		<0.005	0.57	1.42	<1	<0.05	1.31	19	<0.5
L842012		<0.005	2.02	1.38	1	0.13	1.79	43	0.9
L842013		<0.005	2.15	1.59	1	0.18	2.65	44	1.1





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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163466**

<b>CERTIFICATE COMMENTS</b>	
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Applies to Method:	
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 This copy reported on  
 19- JUN- 2013  
 Account: MTT**

**CERTIFICATE WH12163816**

Project: Crag East  
 P.O. No.: Batch 8  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163816**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
N833942		9.49	0.001	0.03	0.49	194	<0.2	20	120	0.46	0.25	12.00	0.02	9.60	11.2	6
N833943		5.44	0.001	0.03	0.50	77	<0.2	20	130	0.44	0.19	15.20	0.01	9.10	9.2	6
N833944		10.17	0.001	0.02	0.39	74	<0.2	20	60	0.33	0.13	22.4	0.01	14.10	5.8	4
N833945		2.33	0.002	0.02	0.27	61	<0.2	10	70	0.17	0.09	23.7	0.01	8.68	4.8	3
N833946		2.97	0.001	0.02	0.29	560	<0.2	10	80	0.16	0.11	23.0	0.01	2.17	5.9	4
N833947		1.70	0.001	0.05	0.37	7790	<0.2	20	80	0.18	0.19	15.75	0.01	2.40	10.1	4
N833948		6.94	0.001	0.01	0.11	35	<0.2	10	50	0.10	0.05	>25.0	<0.01	12.55	2.5	2
N833949		1.70	0.001	0.01	0.23	40	<0.2	10	70	0.14	0.11	24.2	<0.01	3.37	4.2	3
N833950		0.25	7.70	0.45	0.44	801	<0.2	10	120	0.33	0.62	11.55	3.92	18.15	5.0	28
N833951		3.35	0.004	0.05	0.74	1490	<0.2	30	160	0.47	0.27	7.43	0.01	5.27	16.9	9
N833952		2.65	0.001	0.04	0.34	>10000	<0.2	10	200	0.28	0.20	13.85	0.05	7.28	4.9	8
N833953		6.68	0.001	0.02	0.49	>10000	<0.2	20	260	0.35	0.20	12.25	<0.01	8.79	8.4	8
N833954		2.06	0.001	0.03	0.59	2920	<0.2	20	180	0.51	0.26	6.34	<0.01	4.74	18.0	9
N833955		1.85	0.001	0.02	0.57	7310	<0.2	20	80	0.57	0.28	4.76	<0.01	11.50	8.7	9
N833956		4.47	0.001	<0.01	0.04	39	<0.2	<10	10	<0.05	0.02	19.55	0.06	1.16	1.0	<1
N833957		6.61	<0.001	0.03	0.59	266	<0.2	20	110	0.70	0.26	5.00	0.01	11.15	7.7	9
N833958		2.87	0.001	0.02	0.52	462	<0.2	20	120	0.73	0.28	6.49	0.01	10.75	9.9	8
N833959		6.50	0.001	0.01	0.50	154.5	<0.2	20	130	0.63	0.28	5.82	0.01	11.05	8.4	8
N833960		3.75	0.001	0.02	0.54	146.0	<0.2	20	330	0.59	0.21	4.35	0.01	10.55	5.8	9
N833961		5.18	0.003	0.07	0.61	41.4	<0.2	20	290	0.84	0.25	9.70	0.07	10.55	16.1	9
N833962		6.40	0.002	0.04	0.68	13.8	<0.2	30	80	1.31	0.32	7.56	0.04	7.95	38.9	8
N833963		0.26	0.304	99.5	1.25	238	0.2	<10	90	0.29	5.47	0.64	22.0	8.23	12.0	30
N833964		7.69	0.001	0.07	0.39	11	<0.2	20	240	0.50	0.19	21.1	0.08	10.40	9.9	5
N833965		4.77	0.002	0.02	0.69	6.2	<0.2	30	210	1.30	0.27	4.08	0.03	12.70	9.4	12
N833966		7.36	0.002	0.04	0.68	5.5	<0.2	30	210	1.21	0.39	3.95	0.04	10.85	28.2	10
N833967		2.27	0.001	0.01	0.81	3.5	<0.2	30	280	1.33	0.24	0.50	<0.01	20.3	9.4	18
N833968		4.11	0.001	<0.01	0.19	2	<0.2	<10	20	0.13	0.02	18.85	0.05	1.05	1.1	1
N833969		9.29	0.001	0.01	0.66	3.1	<0.2	20	210	0.94	0.27	0.97	<0.01	12.75	6.4	11
N833970		10.10	0.001	0.02	0.80	2.3	<0.2	30	190	1.15	0.37	0.59	0.01	10.00	6.9	16
N833971		10.56	0.001	0.01	0.75	1.6	<0.2	30	220	1.23	0.34	0.58	<0.01	8.45	7.7	18
N833972		5.45	0.001	0.05	0.19	43	<0.2	10	50	0.27	0.04	18.30	0.01	8.82	2.8	3
N833973		6.27	0.001	0.04	0.17	220	<0.2	<10	100	0.32	0.04	17.25	0.11	7.90	2.4	3
N833974		3.46	0.002	0.07	0.13	147	<0.2	<10	120	0.25	0.04	17.40	0.09	7.60	2.2	3
N833975		7.82	0.002	0.03	0.14	217	<0.2	<10	40	0.17	0.02	18.75	6.10	7.05	1.7	2
N833976		<0.02	0.002	0.04	0.15	223	<0.2	<10	40	0.20	0.03	19.10	6.24	7.08	1.8	2
N833977		7.60	0.001	0.03	0.02	95	<0.2	<10	10	0.12	0.05	19.60	0.53	1.14	0.9	1

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**CERTIFICATE OF ANALYSIS WH12163816**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N833942		13.80	17.2	1.89	1.24	0.07	0.09	1.01	0.029	0.26	4.7	2.4	1.67	581	0.14	0.03
N833943		13.80	29.5	1.54	1.22	0.06	0.08	3.05	0.028	0.27	5.1	2.2	1.34	610	0.12	0.03
N833944		10.55	10.3	1.00	0.91	0.06	0.07	0.65	0.019	0.21	8.3	2.0	0.74	561	0.09	0.02
N833945		5.61	7.2	0.80	0.66	<0.05	0.06	0.33	0.012	0.14	5.2	1.3	0.63	831	0.06	0.02
N833946		4.45	10.3	0.98	0.72	<0.05	0.08	0.43	0.015	0.14	0.9	1.7	1.07	1860	0.09	0.02
N833947		4.58	21.2	1.08	0.88	<0.05	0.10	0.68	0.019	0.18	1.1	2.6	0.78	1260	0.11	0.02
N833948		1.89	4.5	0.48	0.34	0.05	0.04	0.21	0.011	0.06	6.3	1.1	0.82	508	0.05	0.02
N833949		4.14	7.8	1.32	0.61	0.05	0.06	0.37	0.020	0.12	1.4	1.2	1.90	1400	0.11	0.02
N833950		2.22	28.6	1.26	1.15	0.10	0.19	5.79	0.063	0.20	9.6	0.9	0.54	254	11.55	0.01
N833951		10.85	42.6	2.66	2.07	0.06	0.15	0.79	0.021	0.38	2.6	5.6	2.79	511	0.17	0.03
N833952		5.95	13.4	1.10	0.90	0.06	0.10	0.31	0.034	0.18	4.8	1.7	4.29	733	0.15	0.03
N833953		8.38	17.2	1.60	1.33	0.06	0.11	0.46	0.027	0.24	5.5	2.4	4.21	655	0.12	0.03
N833954		13.95	26.2	1.87	2.04	0.05	0.12	0.76	0.025	0.30	2.4	4.3	2.19	469	0.14	0.02
N833955		13.80	18.0	1.81	2.09	0.05	0.10	0.80	0.035	0.31	4.5	4.9	2.08	281	0.24	0.02
N833956		0.60	1.4	0.42	0.15	0.10	<0.02	0.01	<0.005	0.03	0.6	0.9	11.75	209	0.05	0.02
N833957		15.60	10.3	1.87	1.98	0.06	0.09	0.84	0.026	0.32	3.4	7.9	1.91	299	0.22	0.02
N833958		18.50	17.1	2.19	1.79	0.06	0.10	0.80	0.024	0.32	3.3	5.6	2.01	360	0.16	0.02
N833959		16.45	13.0	1.69	1.77	0.06	0.09	1.03	0.024	0.29	3.6	6.1	1.68	314	0.10	0.02
N833960		13.45	6.1	1.90	1.81	0.06	0.09	0.80	0.027	0.31	3.0	8.6	1.66	276	0.14	0.02
N833961		21.7	39.4	2.96	1.87	0.07	0.13	0.24	0.032	0.37	3.6	7.6	1.56	1180	0.91	0.02
N833962		28.1	44.0	2.73	2.00	0.06	0.12	0.06	0.028	0.45	2.8	10.2	0.92	1160	0.35	0.02
N833963		0.31	6150	5.10	4.12	0.12	0.24	1.27	0.393	0.10	3.8	11.9	0.76	1520	20.5	0.06
N833964		21.1	22.9	1.44	1.07	0.05	0.08	0.02	0.018	0.29	4.6	4.2	0.70	2300	0.34	0.02
N833965		49.8	22.5	2.70	2.17	0.07	0.13	0.05	0.031	0.51	4.7	9.0	0.41	612	0.15	0.02
N833966		40.6	55.9	2.29	2.09	0.07	0.12	0.04	0.027	0.48	3.8	8.6	0.42	712	0.24	0.02
N833967		54.0	32.1	2.78	2.74	0.10	0.16	0.06	0.026	0.57	7.4	6.9	0.29	159	0.15	0.01
N833968		1.15	2.3	0.42	0.29	0.08	<0.02	0.01	<0.005	0.04	0.5	1.4	11.45	191	0.05	0.02
N833969		23.4	3.7	2.54	1.93	0.08	0.13	0.01	0.024	0.46	4.5	4.6	0.39	560	0.11	0.01
N833970		30.1	3.1	3.00	2.38	0.08	0.14	<0.01	0.027	0.54	3.6	4.6	0.32	479	0.13	0.01
N833971		35.7	3.1	3.36	2.32	0.08	0.13	<0.01	0.026	0.52	3.2	4.3	0.34	525	0.16	0.02
N833972		0.59	6.0	1.09	0.52	0.05	0.09	1.97	0.008	0.08	5.5	2.6	9.96	841	0.17	0.03
N833973		1.01	5.7	0.95	0.50	0.05	0.09	6.06	0.006	0.08	5.0	1.7	9.95	794	0.20	0.03
N833974		0.90	5.9	0.90	0.40	0.06	0.08	8.12	0.005	0.06	4.8	1.4	9.99	797	0.23	0.03
N833975		0.35	4.9	0.79	0.84	0.08	0.07	21.4	0.012	0.05	4.6	1.4	10.75	648	0.14	0.03
N833976		0.39	5.2	0.82	0.88	0.08	0.07	22.6	0.013	0.06	4.6	1.6	10.95	661	0.14	0.03
N833977		<0.05	3.8	0.62	0.20	0.08	<0.02	5.71	<0.005	<0.01	0.7	0.8	11.75	742	0.08	0.02

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163816**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N833942		0.08	15.9	280	9.4	13.3	<0.001	1.36	0.64	5.2	0.3	0.9	146.5	<0.01	0.07	3.3
N833943		0.09	12.8	190	7.1	13.7	<0.001	1.01	0.33	4.6	0.2	0.8	208	<0.01	0.06	3.0
N833944		0.13	9.4	200	5.7	10.3	0.001	0.87	0.24	2.5	0.4	0.3	305	<0.01	0.05	2.3
N833945		0.14	7.8	90	4.8	6.5	<0.001	0.76	0.55	1.9	0.4	0.3	177.5	<0.01	0.03	1.3
N833946		0.14	9.8	90	9.1	6.2	0.001	0.95	1.38	1.7	0.9	0.9	199.0	0.01	0.04	1.0
N833947		0.10	14.1	100	12.7	7.6	<0.001	1.42	7.16	1.5	0.4	2.7	171.0	<0.01	0.05	1.1
N833948		0.18	5.4	90	3.3	2.6	<0.001	0.34	0.27	1.4	0.3	<0.2	159.5	<0.01	0.03	0.7
N833949		0.19	7.5	100	6.3	5.4	<0.001	1.14	0.71	1.7	0.6	0.3	157.5	<0.01	0.04	0.9
N833950		0.09	56.2	4070	4.2	16.1	0.033	1.33	5.63	3.8	8.1	0.8	127.0	0.01	0.64	3.9
N833951		0.08	19.6	160	12.7	18.4	0.001	2.07	2.43	5.0	<0.2	5.2	149.5	<0.01	0.06	2.8
N833952		0.10	7.5	230	6.8	8.3	<0.001	1.63	21.1	3.6	0.6	2.0	206	<0.01	0.05	2.0
N833953		0.09	11.3	310	7.4	11.7	<0.001	1.56	11.10	4.3	0.4	1.3	260	<0.01	0.05	2.5
N833954		0.06	18.8	100	10.2	16.7	<0.001	1.41	3.17	5.5	<0.2	2.0	122.5	<0.01	0.07	3.3
N833955		0.05	16.3	90	6.8	17.5	<0.001	1.25	6.47	7.2	<0.2	2.8	112.5	<0.01	0.06	2.6
N833956		0.18	3.6	160	1.2	2.2	<0.001	0.04	0.09	0.3	<0.2	<0.2	41.4	<0.01	0.01	<0.2
N833957		0.05	11.4	170	4.6	19.3	<0.001	0.75	1.17	6.3	<0.2	1.4	97.4	<0.01	0.04	2.5
N833958		0.07	15.2	170	6.5	20.1	<0.001	1.10	1.70	6.1	<0.2	1.0	107.0	<0.01	0.04	3.1
N833959		0.06	11.7	210	5.0	18.5	<0.001	0.74	0.86	5.8	<0.2	0.9	91.8	<0.01	0.06	2.9
N833960		0.05	8.6	190	9.6	18.1	<0.001	0.79	0.60	6.1	<0.2	0.8	83.1	<0.01	0.04	2.5
N833961		0.09	24.4	190	15.4	20.6	0.001	0.68	0.57	5.7	0.3	1.1	127.0	<0.01	0.04	3.0
N833962		0.07	31.7	230	8.8	27.1	<0.001	0.16	0.25	5.6	0.2	0.6	116.5	<0.01	0.06	3.5
N833963		0.25	29.3	410	9810	3.4	0.009	2.29	400	4.7	1.7	1.4	24.5	<0.01	1.21	0.9
N833964		0.15	13.5	140	9.7	17.1	<0.001	0.07	0.29	2.9	0.3	0.3	231	<0.01	0.05	2.2
N833965		0.08	21.4	160	6.7	40.9	<0.001	0.03	0.19	6.0	<0.2	0.6	61.1	<0.01	0.05	4.0
N833966		0.06	23.8	200	9.5	35.6	<0.001	0.09	0.19	5.8	0.2	0.8	98.5	<0.01	0.06	3.8
N833967		0.08	20.3	240	6.4	48.3	<0.001	0.03	0.20	5.4	<0.2	0.8	25.4	<0.01	0.04	5.5
N833968		0.19	3.5	160	1.1	2.9	<0.001	0.03	<0.05	0.4	<0.2	<0.2	40.1	<0.01	0.02	0.2
N833969		0.08	9.7	160	7.5	31.4	<0.001	0.02	0.21	4.9	<0.2	0.8	41.5	<0.01	0.06	4.6
N833970		0.10	11.0	160	9.1	40.0	<0.001	0.02	0.25	5.6	<0.2	0.7	37.6	<0.01	0.09	5.0
N833971		0.12	14.3	130	8.7	42.8	<0.001	0.02	0.31	6.2	<0.2	0.6	33.9	<0.01	0.06	5.4
N833972		0.15	5.0	220	10.3	3.0	<0.001	0.05	1.19	1.9	<0.2	0.3	127.0	<0.01	0.02	1.3
N833973		0.16	4.9	250	12.5	2.9	<0.001	0.05	2.10	1.5	<0.2	0.2	124.5	<0.01	0.03	1.0
N833974		0.17	4.8	280	11.5	2.3	<0.001	0.06	1.74	1.4	<0.2	<0.2	122.0	<0.01	0.03	0.9
N833975		0.18	4.6	670	588	1.7	<0.001	0.24	2.37	1.2	0.3	0.2	130.5	<0.01	0.02	0.6
N833976		0.19	4.7	670	718	1.9	<0.001	0.25	2.41	1.3	0.3	0.2	130.0	<0.01	0.03	0.6
N833977		0.17	<0.2	290	70.4	0.3	<0.001	0.05	1.99	0.2	0.3	<0.2	100.5	<0.01	<0.01	<0.2



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163816**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
N833942		<0.005	1.19	0.73	8	0.25	8.42	15	2.9	
N833943		<0.005	0.87	0.40	8	0.19	7.04	12	2.8	
N833944		<0.005	0.73	0.68	6	0.09	8.85	5	2.4	
N833945		<0.005	0.77	0.58	5	0.17	10.00	6	2.0	
N833946		<0.005	0.96	0.77	5	0.21	25.5	4	2.3	
N833947		<0.005	1.41	0.68	5	0.38	13.05	7	3.1	
N833948		<0.005	0.33	0.47	3	0.07	8.10	2	1.1	
N833949		<0.005	1.04	0.40	6	0.10	14.35	4	1.6	
N833950		<0.005	6.26	4.29	74	10.10	21.5	260	9.8	
N833951		<0.005	1.87	0.90	12	0.38	4.06	10	5.4	
N833952		<0.005	0.64	1.23	9	0.26	9.49	13	3.1	2.44
N833953		<0.005	1.00	1.18	9	0.22	9.20	11	3.6	1.22
N833954		<0.005	1.51	0.82	12	0.24	4.51	11	4.7	
N833955		<0.005	0.68	0.45	11	0.28	4.48	16	3.9	
N833956		<0.005	0.02	0.59	1	<0.05	0.86	13	<0.5	
N833957		<0.005	1.85	0.18	10	0.30	6.14	16	2.9	
N833958		<0.005	1.89	0.22	9	0.30	8.08	19	3.2	
N833959		<0.005	2.05	0.17	9	0.26	6.69	14	2.6	
N833960		<0.005	2.02	0.14	10	0.28	6.20	15	2.6	
N833961		<0.005	0.68	0.81	15	0.08	8.69	57	3.9	
N833962		<0.005	0.30	0.88	11	<0.05	8.46	47	3.6	
N833963		0.090	0.21	0.66	41	0.24	6.07	5020	6.9	
N833964		<0.005	0.21	1.16	8	<0.05	9.97	31	2.3	
N833965		0.012	0.34	0.42	17	<0.05	6.33	33	3.1	
N833966		0.007	0.37	0.68	15	<0.05	7.68	31	3.1	
N833967		0.020	0.47	0.28	25	0.07	4.33	27	3.8	
N833968		<0.005	0.02	0.51	1	<0.05	0.70	13	<0.5	
N833969		0.017	0.23	0.34	13	0.08	3.86	17	3.4	
N833970		0.022	0.27	1.19	19	0.10	3.75	21	3.6	
N833971		0.027	0.29	0.82	17	0.11	3.73	25	3.3	
N833972		<0.005	0.71	0.51	4	0.22	3.81	6	3.1	
N833973		<0.005	0.96	0.77	3	0.39	3.57	69	3.1	
N833974		<0.005	0.91	0.71	3	1.14	3.56	60	2.6	
N833975		<0.005	0.71	0.87	3	0.06	3.90	1700	2.2	
N833976		<0.005	0.72	0.88	3	0.06	3.83	1710	2.2	
N833977		<0.005	0.16	0.93	1	0.05	1.77	119	<0.5	



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Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12163816**

**CERTIFICATE COMMENTS**

Applies to Method:



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12166677**

Project: Crag East  
 P.O. No.: Batch 11  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12166677**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842086		5.52	0.009	0.01	0.04	>10000	<0.2	<10	<10	0.12	<0.01	18.55	0.04	0.77	0.7	1
L842087		8.59	0.008	0.02	0.04	>10000	<0.2	<10	<10	0.08	0.01	15.80	0.57	0.93	0.7	1
L842088		4.08	0.002	0.03	0.02	216	<0.2	<10	10	<0.05	0.02	20.3	0.06	1.26	1.3	1
L842089		2.79	0.002	0.12	0.04	>10000	<0.2	<10	<10	0.11	<0.01	17.25	1.14	1.09	0.7	1
L842090		7.87	0.002	0.03	0.04	4040	<0.2	<10	10	0.21	0.01	19.40	1.93	2.01	1.0	1
L842091		<0.02	0.002	0.03	0.04	3930	<0.2	<10	10	0.19	0.01	19.35	1.70	1.99	1.0	1
L842092		6.31	0.002	<0.01	0.02	185	<0.2	<10	<10	0.15	<0.01	20.1	0.04	1.74	0.8	<1
L842093		8.02	0.001	<0.01	0.02	266	<0.2	<10	<10	0.07	<0.01	19.70	0.01	0.90	0.8	1
L842094		8.13	0.001	<0.01	0.02	393	<0.2	<10	<10	0.08	<0.01	21.1	0.01	0.87	0.9	<1
L842095		4.65	0.001	0.01	0.04	9	<0.2	<10	20	<0.05	0.04	21.7	0.06	1.28	1.5	1
L842096		8.29	0.001	<0.01	0.02	3840	<0.2	<10	<10	0.09	<0.01	20.3	0.01	0.82	0.9	<1
L842097		3.35	0.001	<0.01	0.02	2710	<0.2	<10	<10	0.09	<0.01	19.40	<0.01	0.76	0.9	<1
L842098		8.31	0.001	<0.01	0.02	616	<0.2	<10	<10	0.07	<0.01	20.1	0.01	0.90	0.9	<1
L842099		8.10	0.002	0.02	0.02	498	<0.2	<10	<10	0.07	<0.01	20.7	0.01	0.90	0.9	<1
L842100		8.52	0.002	<0.01	0.01	120	<0.2	<10	<10	0.06	<0.01	19.80	0.01	0.87	0.9	<1
L842101		8.63	0.002	<0.01	0.01	1180	<0.2	<10	<10	0.07	<0.01	20.1	0.01	0.80	0.9	<1
L842102		8.66	0.002	<0.01	0.02	2420	<0.2	<10	<10	0.07	<0.01	20.3	<0.01	0.83	0.9	<1
L842103		8.38	0.001	<0.01	0.01	852	<0.2	<10	<10	0.08	<0.01	20.5	0.01	0.89	0.9	1
L842104		8.22	0.002	<0.01	0.01	200	<0.2	<10	<10	0.17	<0.01	20.8	0.01	1.09	0.9	<1
L842105		8.40	0.002	0.01	0.02	155	<0.2	<10	10	0.16	0.01	20.8	0.01	2.06	1.0	<1
L842106		8.44	0.002	0.09	0.02	46	<0.2	<10	<10	0.12	0.01	19.80	0.01	1.52	0.2	<1
L842107		8.56	0.003	0.04	0.03	1480	<0.2	<10	10	0.10	0.02	19.65	0.65	1.71	0.5	<1
L842108		8.16	0.001	0.02	0.03	5510	<0.2	<10	10	0.16	0.01	19.30	0.79	1.30	0.3	<1
L842109		8.51	0.002	0.02	0.02	1600	<0.2	<10	<10	0.19	0.01	19.30	0.08	1.66	0.5	<1
L842110		8.70	0.002	0.02	0.02	138	<0.2	<10	<10	0.07	0.01	19.20	0.01	1.22	0.3	<1
L842111		8.52	0.001	0.01	0.02	210	<0.2	<10	10	0.12	0.01	19.20	0.07	1.29	0.3	<1
L842112		0.26	0.284	99.9	1.20	237	0.2	<10	90	0.19	5.61	0.64	25.2	8.80	10.8	29
L842113		0.26	3.95	1.70	0.31	662	<0.2	<10	30	0.24	4.38	2.01	1.93	4.69	7.0	19
L842114		8.47	0.002	0.11	0.02	126	<0.2	<10	10	0.12	0.01	19.85	0.07	1.24	0.2	<1
L842115		8.71	0.003	0.03	0.03	257	<0.2	<10	10	0.23	0.02	18.05	0.13	3.33	0.6	1
L842116		8.78	0.002	0.02	0.02	44	<0.2	<10	<10	0.12	0.01	18.90	0.06	1.67	0.2	<1
L842117		8.35	0.003	0.01	0.02	91	<0.2	<10	10	0.12	0.01	19.20	0.02	2.02	0.3	<1
L842118		8.58	0.003	0.02	0.04	117	<0.2	<10	10	0.10	0.02	18.55	0.15	2.02	0.7	<1
L842119		8.64	0.002	0.01	0.02	3940	<0.2	<10	<10	0.10	0.01	19.40	0.07	1.34	0.2	<1
L842120		8.36	0.002	<0.01	0.02	1370	<0.2	<10	10	0.10	0.01	19.00	0.01	1.09	0.2	<1
L842121		8.66	0.002	0.01	0.02	308	<0.2	<10	10	0.08	0.01	18.80	0.01	1.41	0.2	<1

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



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**CERTIFICATE OF ANALYSIS WH12166677**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
L842086		0.10	1.4	1.94	0.20	0.07	<0.02	194.0	0.013	<0.01	0.4	1.0	10.60	779	0.10	0.03
L842087		0.09	3.2	3.89	0.36	0.10	<0.02	545	0.083	<0.01	0.5	0.8	8.70	681	0.16	0.03
L842088		0.15	1.7	0.45	0.18	0.09	<0.02	0.91	<0.005	0.01	0.6	0.9	12.35	218	0.09	0.01
L842089		0.10	2.8	2.05	0.47	0.07	<0.02	256	0.061	<0.01	0.6	1.1	10.30	830	0.13	0.03
L842090		0.06	3.7	1.28	0.81	0.08	0.02	123.5	0.008	0.01	1.3	1.0	11.35	980	0.13	0.03
L842091		0.06	3.5	1.32	0.74	0.08	0.02	121.5	0.008	<0.01	1.3	1.0	11.35	977	0.13	0.03
L842092		<0.05	1.2	0.66	0.21	0.09	<0.02	4.92	<0.005	<0.01	1.1	0.8	11.95	810	0.09	0.03
L842093		<0.05	0.8	0.42	0.20	0.12	<0.02	5.33	<0.005	<0.01	0.5	0.8	11.85	562	0.08	0.03
L842094		<0.05	1.0	0.40	0.23	0.12	<0.02	5.35	<0.005	<0.01	0.5	0.9	12.75	621	0.08	0.03
L842095		0.49	2.5	0.49	0.26	0.14	<0.02	0.08	0.005	0.03	0.6	1.1	13.15	231	0.11	0.02
L842096		<0.05	1.0	0.49	0.21	0.12	<0.02	18.45	<0.005	<0.01	0.4	0.9	12.35	683	0.07	0.03
L842097		<0.05	0.9	0.45	0.21	0.11	<0.02	12.80	<0.005	<0.01	0.4	0.9	11.90	665	0.06	0.03
L842098		<0.05	1.1	0.56	0.20	0.12	<0.02	23.6	<0.005	<0.01	0.5	0.9	12.25	607	0.08	0.03
L842099		<0.05	1.2	0.48	0.21	0.11	<0.02	9.67	<0.005	<0.01	0.5	1.4	12.25	663	0.07	0.03
L842100		<0.05	1.0	0.41	0.20	0.10	<0.02	5.22	<0.005	<0.01	0.5	0.7	12.05	589	0.05	0.03
L842101		<0.05	1.0	0.38	0.20	0.13	<0.02	3.11	<0.005	<0.01	0.4	0.8	12.45	629	0.06	0.03
L842102		<0.05	1.0	0.42	0.21	0.11	<0.02	9.57	<0.005	<0.01	0.4	0.8	12.35	595	0.08	0.03
L842103		<0.05	1.0	0.48	0.22	0.12	<0.02	6.55	<0.005	<0.01	0.5	0.8	12.40	690	0.07	0.03
L842104		<0.05	1.0	0.76	0.23	0.11	<0.02	19.35	<0.005	<0.01	0.7	0.7	12.30	891	0.07	0.03
L842105		<0.05	2.4	1.03	0.22	0.08	<0.02	10.50	<0.005	<0.01	1.2	0.8	12.00	893	0.09	0.03
L842106		<0.05	1.0	0.75	0.06	<0.05	0.02	0.81	<0.005	<0.01	0.8	0.7	11.45	759	0.10	0.03
L842107		<0.05	2.0	1.03	0.07	<0.05	0.02	12.75	<0.005	<0.01	1.0	0.8	11.35	790	0.16	0.02
L842108		<0.05	1.3	1.05	0.08	<0.05	<0.02	29.0	<0.005	<0.01	0.8	1.6	11.25	854	0.08	0.02
L842109		<0.05	1.6	0.87	0.07	<0.05	<0.02	5.74	<0.005	<0.01	1.0	0.7	11.30	782	0.10	0.02
L842110		<0.05	1.3	0.55	0.06	<0.05	<0.02	1.39	<0.005	<0.01	0.7	0.8	11.30	545	0.08	0.02
L842111		<0.05	1.2	0.64	0.06	<0.05	<0.02	5.16	<0.005	<0.01	0.8	0.9	11.15	744	0.09	0.02
L842112		0.31	5940	5.18	4.07	0.06	0.26	1.29	0.409	0.09	4.0	9.0	0.75	1570	19.85	0.05
L842113		1.63	69.1	2.79	1.13	<0.05	0.22	4.85	0.150	0.18	2.4	1.7	0.82	294	24.8	<0.01
L842114		<0.05	1.1	0.60	0.06	<0.05	0.02	5.23	<0.005	<0.01	0.7	1.1	11.55	627	0.10	0.02
L842115		<0.05	2.4	1.02	0.11	<0.05	0.03	11.35	<0.005	<0.01	2.1	1.0	10.40	898	0.30	0.02
L842116		<0.05	1.0	0.75	0.07	<0.05	<0.02	1.88	<0.005	<0.01	1.1	0.9	11.15	804	0.08	0.03
L842117		<0.05	1.3	0.73	0.07	<0.05	<0.02	3.78	<0.005	<0.01	1.2	0.8	10.85	670	0.10	0.03
L842118		0.07	2.5	0.71	0.12	<0.05	0.03	34.7	<0.005	0.01	1.3	0.9	11.05	702	0.08	0.03
L842119		<0.05	0.9	0.78	0.05	<0.05	<0.02	29.0	<0.005	<0.01	0.8	0.7	11.10	780	<0.05	0.03
L842120		<0.05	0.8	0.55	0.05	<0.05	<0.02	223	<0.005	<0.01	0.6	0.8	11.55	561	0.05	0.03
L842121		<0.05	0.8	0.37	0.05	<0.05	<0.02	35.4	<0.005	<0.01	0.8	0.8	11.05	408	<0.05	0.03

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12166677**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
L842086		0.12	0.5	330	10.6	0.3	<0.001	2.94	40.7	0.4	0.3	<0.2	78.7	<0.01	0.03	<0.2
L842087		0.22	1.0	300	26.2	0.1	0.001	>10.0	118.0	0.4	0.5	<0.2	75.4	<0.01	0.03	<0.2
L842088		0.11	2.3	160	1.5	0.9	<0.001	<0.01	0.18	0.5	0.2	<0.2	50.9	<0.01	0.02	0.2
L842089		0.18	0.8	290	22.1	0.2	<0.001	6.27	55.4	0.4	0.5	<0.2	75.1	<0.01	0.02	<0.2
L842090		0.14	1.6	390	43.7	0.3	0.001	1.46	19.70	0.6	0.9	<0.2	92.5	<0.01	0.03	<0.2
L842091		0.14	1.7	390	36.1	0.2	<0.001	1.47	20.2	0.6	0.8	<0.2	91.6	<0.01	0.04	<0.2
L842092		0.10	1.0	250	4.1	0.1	<0.001	0.17	1.98	0.5	0.3	<0.2	94.4	<0.01	0.02	<0.2
L842093		0.10	0.9	180	1.3	0.1	<0.001	0.05	1.11	0.2	0.2	<0.2	91.9	<0.01	0.02	<0.2
L842094		0.11	1.0	190	1.4	0.1	<0.001	0.04	1.43	0.2	0.2	<0.2	99.7	<0.01	0.02	<0.2
L842095		0.14	3.1	190	1.4	2.1	<0.001	<0.01	<0.05	0.5	0.3	<0.2	50.7	<0.01	0.02	0.2
L842096		0.12	1.0	200	1.5	0.1	<0.001	0.36	7.58	0.4	0.2	<0.2	92.4	<0.01	0.02	<0.2
L842097		0.11	1.1	180	2.6	0.1	<0.001	0.24	5.19	0.3	0.2	<0.2	88.6	<0.01	0.02	<0.2
L842098		0.12	1.1	190	1.5	0.1	<0.001	0.17	4.10	0.2	0.2	<0.2	90.9	<0.01	0.03	<0.2
L842099		0.12	1.2	190	1.8	0.1	<0.001	0.08	3.61	0.2	0.3	<0.2	99.6	<0.01	0.03	<0.2
L842100		0.11	1.2	180	1.0	0.1	<0.001	0.02	2.08	0.1	0.3	<0.2	85.2	<0.01	0.02	<0.2
L842101		0.12	1.2	150	1.5	<0.1	<0.001	0.06	3.50	0.2	0.3	<0.2	94.7	<0.01	0.02	<0.2
L842102		0.11	1.3	190	1.3	0.1	<0.001	0.16	11.00	0.2	0.2	<0.2	97.2	<0.01	0.02	<0.2
L842103		0.11	1.1	190	2.4	<0.1	<0.001	0.07	12.80	0.2	0.3	<0.2	93.9	<0.01	0.02	<0.2
L842104		0.12	1.1	170	8.5	0.1	<0.001	0.06	33.7	0.2	0.3	<0.2	104.5	<0.01	0.02	<0.2
L842105		0.12	1.2	220	17.6	0.1	<0.001	0.49	15.50	0.3	0.3	<0.2	112.0	<0.01	0.03	<0.2
L842106		<0.05	0.7	320	3.4	0.1	<0.001	0.09	2.96	0.1	<0.2	<0.2	98.5	<0.01	<0.01	0.2
L842107		<0.05	1.4	300	79.4	0.1	0.001	0.50	60.0	0.2	0.5	<0.2	110.5	<0.01	<0.01	0.2
L842108		<0.05	0.6	220	61.8	0.1	0.001	0.69	78.9	0.2	<0.2	<0.2	95.1	<0.01	<0.01	<0.2
L842109		<0.05	1.6	320	7.6	0.1	0.001	0.27	13.10	0.2	0.2	<0.2	105.0	<0.01	0.01	<0.2
L842110		<0.05	0.8	250	5.5	0.1	<0.001	0.10	10.65	0.1	<0.2	<0.2	101.0	<0.01	<0.01	<0.2
L842111		<0.05	0.7	270	5.1	0.1	0.001	0.13	7.79	0.2	0.3	<0.2	95.0	<0.01	<0.01	<0.2
L842112		0.17	25.0	420	9740	3.3	0.009	2.26	356	3.9	1.6	1.5	27.2	<0.01	1.16	1.0
L842113		<0.05	66.3	810	23.9	12.8	0.035	1.89	8.69	3.0	6.5	2.2	33.5	<0.01	0.71	1.9
L842114		<0.05	0.5	280	11.5	0.1	0.001	0.12	13.55	0.2	<0.2	<0.2	101.5	<0.01	<0.01	<0.2
L842115		<0.05	2.2	510	13.7	0.2	0.001	0.46	11.60	0.3	0.4	<0.2	136.0	<0.01	0.01	0.2
L842116		<0.05	0.4	240	3.7	<0.1	0.001	0.11	1.39	0.1	0.3	<0.2	101.0	<0.01	0.01	<0.2
L842117		<0.05	0.6	290	3.7	0.1	<0.001	0.11	2.85	0.2	0.2	<0.2	119.5	<0.01	<0.01	<0.2
L842118		<0.05	1.3	170	5.3	0.3	0.001	0.20	4.00	0.3	0.3	<0.2	112.5	<0.01	0.01	0.2
L842119		<0.05	0.3	210	1.9	<0.1	<0.001	0.25	6.85	0.2	<0.2	<0.2	116.5	<0.01	<0.01	<0.2
L842120		<0.05	0.4	210	1.3	<0.1	<0.001	0.10	3.38	0.1	0.4	<0.2	116.0	<0.01	<0.01	<0.2
L842121		<0.05	0.3	300	1.0	0.1	0.001	0.04	1.33	0.1	0.3	<0.2	99.3	<0.01	<0.01	<0.2

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**CERTIFICATE OF ANALYSIS WH12166677**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
L842086		<0.005	320	2.43	<1	<0.05	1.23	13	0.6	1.86
L842087		<0.005	740	3.17	<1	<0.05	1.16	1990	1.0	11.40
L842088		<0.005	1.22	1.04	1	<0.05	0.99	23	<0.5	
L842089		<0.005	280	2.42	<1	0.59	1.22	2720	0.5	7.63
L842090		<0.005	98.7	3.36	1	0.05	2.03	5440	0.9	
L842091		<0.005	105.0	3.20	1	<0.05	2.05	4890	0.8	
L842092		<0.005	5.61	2.05	<1	<0.05	1.52	28	<0.5	
L842093		<0.005	4.80	1.51	<1	<0.05	0.97	7	<0.5	
L842094		<0.005	4.24	1.53	<1	<0.05	1.01	4	<0.5	
L842095		<0.005	0.08	0.76	1	<0.05	1.06	15	<0.5	
L842096		<0.005	19.95	1.68	<1	<0.05	0.94	4	<0.5	
L842097		<0.005	13.85	1.60	<1	<0.05	0.87	2	<0.5	
L842098		<0.005	24.5	1.67	<1	<0.05	1.11	4	<0.5	
L842099		<0.005	10.75	1.64	<1	0.10	1.30	7	<0.5	
L842100		<0.005	4.51	1.62	<1	<0.05	1.15	2	<0.5	
L842101		<0.005	2.98	1.59	<1	<0.05	1.12	4	<0.5	
L842102		<0.005	9.62	1.60	<1	<0.05	1.10	4	<0.5	
L842103		<0.005	6.72	1.64	<1	<0.05	1.20	7	<0.5	
L842104		<0.005	1.09	1.69	<1	<0.05	1.45	12	<0.5	
L842105		<0.005	8.06	1.85	<1	<0.05	2.11	7	0.5	
L842106		<0.005	0.64	1.77	<1	<0.05	1.75	6	0.5	
L842107		<0.005	6.00	2.17	1	<0.05	1.88	230	0.7	
L842108		<0.005	14.15	1.84	1	<0.05	1.46	358	<0.5	
L842109		<0.005	3.72	2.83	1	<0.05	1.96	71	0.5	
L842110		<0.005	0.75	1.83	1	<0.05	1.60	8	0.5	
L842111		<0.005	2.33	1.84	1	<0.05	1.55	58	0.5	
L842112		0.080	0.24	0.72	39	0.24	6.52	4830	6.4	
L842113		<0.005	2.06	1.80	58	2.31	7.31	142	7.6	
L842114		<0.005	3.76	1.87	1	<0.05	1.72	35	0.5	
L842115		<0.005	6.02	3.20	1	<0.05	3.46	144	1.1	
L842116		<0.005	0.42	1.53	<1	<0.05	1.78	56	<0.5	
L842117		<0.005	1.25	1.79	1	<0.05	2.30	14	0.5	
L842118		<0.005	1.77	1.61	1	<0.05	2.19	57	1.1	
L842119		<0.005	0.47	1.47	1	<0.05	1.99	36	<0.5	
L842120		<0.005	0.23	1.54	<1	<0.05	1.85	6	<0.5	
L842121		<0.005	0.14	1.69	<1	<0.05	2.04	9	<0.5	



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
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Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12166677**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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**Finalized Date: 26- JUL- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12166691**

Project: Crag East  
 P.O. No.: Batch 10  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 18- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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<b>CERTIFICATE OF ANALYSIS WH1216691</b>
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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
L842050		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842051		6.06	0.003	0.02	0.07	435	<0.2	<10	20	0.08	0.01	17.05	0.04	2.25	0.7	1
L842052		7.79	0.002	<0.01	0.03	222	<0.2	<10	10	0.06	<0.01	17.65	0.01	1.61	0.6	1
L842053		3.81	0.001	0.02	0.03	4	<0.2	<10	10	<0.05	0.02	19.20	0.05	1.14	1.0	1
L842054		5.69	0.001	<0.01	0.03	128	<0.2	<10	10	0.05	<0.01	17.50	0.03	1.14	0.6	1
L842054		<0.02	<0.001	<0.01	0.03	129	<0.2	<10	10	<0.05	<0.01	17.80	0.03	1.20	0.6	1
L842055		0.25	3.77	1.42	0.27	643	<0.2	<10	100	0.30	4.30	2.07	1.69	4.20	7.3	18
L842056		7.62	0.005	0.01	0.05	366	<0.2	<10	20	0.06	0.01	17.90	0.05	1.90	0.8	1
L842057		2.71	0.001	0.01	0.07	337	<0.2	<10	20	0.07	0.02	18.10	0.03	2.13	0.8	1
L842058		5.05	0.002	0.08	0.11	643	<0.2	<10	30	0.10	0.04	18.95	0.18	5.74	2.1	3
L842059		7.67	0.002	0.01	0.05	374	<0.2	<10	20	0.07	0.01	18.50	0.04	3.27	0.8	1
L842060		3.08	0.001	0.01	0.03	325	<0.2	<10	10	0.05	<0.01	17.40	0.11	3.07	0.6	1
L842061		5.03	0.002	0.02	0.05	203	<0.2	<10	20	<0.05	0.01	19.55	0.29	7.48	1.2	1
L842062		8.58	0.001	0.01	0.03	352	<0.2	<10	10	0.05	<0.01	20.4	0.88	7.05	0.8	1
L842063		8.38	0.001	0.02	0.06	181	<0.2	<10	20	0.07	0.01	19.75	0.26	5.29	1.1	1
L842064		8.63	<0.001	0.01	0.05	195	<0.2	<10	20	0.07	0.01	19.85	0.04	5.32	1.0	1
L842065		8.87	0.001	0.01	0.12	78	<0.2	<10	40	0.13	0.05	19.15	0.01	9.66	3.1	2
L842066		8.36	0.001	0.01	0.10	65	<0.2	<10	40	0.10	0.02	19.55	0.04	7.54	1.8	2
L842067		8.24	0.001	0.01	0.09	565	<0.2	<10	30	0.11	0.02	19.05	0.02	6.85	1.2	2
L842068		3.61	0.001	0.01	0.09	904	<0.2	<10	30	0.11	0.02	19.10	0.02	6.90	1.3	2
L842069		8.44	0.002	<0.01	0.04	390	<0.2	<10	10	0.08	0.01	19.20	0.01	2.49	0.6	1
L842070		7.88	<0.001	0.05	0.03	159	<0.2	<10	10	0.10	<0.01	19.25	0.01	2.02	0.6	<1
L842071		8.23	0.001	0.01	0.02	440	<0.2	<10	10	0.08	<0.01	19.05	0.01	2.74	0.6	1
L842072		8.42	0.001	<0.01	0.02	185	<0.2	<10	10	0.08	<0.01	20.0	0.01	2.88	0.6	<1
L842073		5.71	0.001	<0.01	0.03	1160	<0.2	<10	10	0.06	<0.01	21.0	0.06	6.43	0.6	<1
L842074		1.26	0.003	0.01	0.05	1720	<0.2	<10	10	0.06	0.01	18.60	0.02	3.39	1.2	1
L842075		4.85	<0.001	<0.01	0.03	6	<0.2	<10	10	<0.05	0.02	19.60	0.05	1.23	1.1	1
L842076		1.15	0.003	0.01	0.03	7350	<0.2	<10	10	0.05	<0.01	18.00	0.02	5.11	0.6	<1
L842077		8.45	<0.001	<0.01	0.03	554	<0.2	<10	10	0.06	<0.01	20.2	<0.01	4.44	0.7	<1
L842078		8.10	<0.001	<0.01	0.03	602	<0.2	<10	10	0.07	<0.01	20.1	<0.01	4.24	0.6	1
L842079		7.16	<0.001	<0.01	0.02	595	<0.2	<10	10	0.09	<0.01	20.6	0.01	2.72	0.6	<1
L842080		2.91	0.001	<0.01	0.02	1580	<0.2	<10	10	0.09	<0.01	19.20	0.01	1.00	0.6	1
L842081		0.26	7.71	0.42	0.42	812	<0.2	<10	120	0.45	0.62	11.70	3.81	18.45	5.7	27
L842082		6.68	0.007	0.01	0.03	2890	<0.2	<10	10	0.11	<0.01	18.85	0.02	0.73	0.7	1
L842083		4.36	0.001	0.01	0.03	>10000	<0.2	<10	<10	0.15	<0.01	17.95	0.04	0.64	0.8	1
L842084		1.21	0.001	0.01	0.03	>10000	<0.2	<10	10	0.17	<0.01	17.75	0.15	0.88	0.9	1
L842085		4.87	<0.001	0.01	0.03	1900	<0.2	<10	<10	0.15	<0.01	19.00	0.08	0.95	0.9	1

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH1216691**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842050		0.55	3.1	0.51	0.24	<0.05	0.03	4.21	<0.005	0.02	1.3	0.9	10.10	744	0.09	0.02
L842051		0.08	0.7	0.38	0.16	0.05	<0.02	1.43	<0.005	0.01	1.0	0.6	10.70	764	0.05	0.02
L842052		0.32	1.2	0.43	0.14	0.05	<0.02	0.01	<0.005	0.02	0.5	0.8	11.90	198	0.09	0.02
L842053		0.08	0.8	0.39	0.15	0.06	<0.02	1.75	<0.005	0.01	0.6	0.6	10.70	671	<0.05	0.02
L842054		0.08	0.8	0.40	0.16	0.06	<0.02	1.77	<0.005	0.01	0.6	0.6	10.85	679	0.13	0.02
L842055		1.51	66.1	2.87	0.98	0.08	0.18	5.16	0.139	0.17	2.1	1.6	0.86	289	26.7	0.01
L842056		0.20	2.2	0.51	0.19	0.05	0.04	1.31	<0.005	0.01	1.0	0.8	10.50	692	0.06	0.02
L842057		0.22	1.6	0.53	0.23	0.06	0.04	2.42	<0.005	0.02	1.1	0.9	10.20	804	0.07	0.02
L842058		0.29	4.5	1.02	0.38	0.06	0.11	26.2	<0.005	0.03	3.1	1.3	10.80	1120	0.15	0.02
L842059		0.11	1.6	0.75	0.23	0.05	0.03	8.05	<0.005	0.01	1.8	0.7	10.15	1000	0.07	0.02
L842060		0.09	1.0	1.04	0.20	<0.05	0.02	10.75	<0.005	0.01	1.8	0.7	9.86	1220	0.05	0.02
L842061		0.08	2.3	1.08	0.29	0.05	0.06	5.70	<0.005	0.02	4.4	0.7	10.80	1120	0.10	0.02
L842062		<0.05	1.2	0.83	0.34	0.06	0.02	7.29	<0.005	0.01	4.1	0.6	11.10	1010	0.07	0.02
L842063		0.10	2.3	0.99	0.30	<0.05	0.05	4.08	<0.005	0.02	3.2	0.8	11.00	1170	0.08	0.02
L842064		0.07	1.3	0.69	0.24	0.05	0.04	2.47	<0.005	0.02	3.1	0.8	11.25	827	0.08	0.02
L842065		0.21	4.0	0.63	0.40	0.05	0.12	5.06	0.005	0.05	6.2	1.4	10.60	509	0.09	0.02
L842066		0.15	2.5	0.63	0.36	0.05	0.07	5.26	<0.005	0.04	4.8	1.5	10.40	660	0.06	0.02
L842067		0.14	2.8	0.59	0.33	0.05	0.09	66.4	<0.005	0.03	4.5	1.6	11.25	587	0.05	0.02
L842068		0.14	2.9	0.59	0.32	0.05	0.08	112.5	0.006	0.03	4.5	1.9	11.00	606	<0.05	0.02
L842069		<0.05	2.3	0.64	0.17	<0.05	0.02	37.5	<0.005	<0.01	1.6	3.0	11.25	1000	0.08	0.02
L842070		<0.05	0.9	0.54	0.19	0.05	<0.02	5.33	<0.005	<0.01	1.3	2.2	11.65	942	0.05	0.02
L842071		<0.05	1.0	0.65	0.17	0.05	<0.02	7.79	<0.005	<0.01	1.7	0.7	11.55	1020	0.05	0.02
L842072		<0.05	1.0	0.68	0.16	0.05	<0.02	9.35	<0.005	<0.01	1.7	0.8	11.90	896	0.05	0.02
L842073		<0.05	0.8	0.97	0.20	0.06	<0.02	57.6	<0.005	<0.01	3.4	0.8	11.50	1210	0.05	0.03
L842074		0.07	2.9	1.86	0.21	<0.05	0.03	133.0	<0.005	0.01	1.9	1.2	11.20	1380	0.19	0.03
L842075		0.23	1.6	0.44	0.12	<0.05	<0.02	0.24	<0.005	0.02	0.6	1.0	12.15	205	0.10	0.02
L842076		0.07	1.4	2.72	0.20	0.05	<0.02	300	0.010	<0.01	2.9	0.9	10.95	1290	0.11	0.03
L842077		<0.05	0.9	0.98	0.20	<0.05	<0.02	7.97	<0.005	<0.01	2.5	0.8	11.50	1160	0.05	0.02
L842078		<0.05	0.9	1.04	0.20	<0.05	<0.02	14.05	<0.005	<0.01	2.4	1.0	11.20	1160	0.05	0.02
L842079		<0.05	0.8	0.91	0.21	0.05	<0.02	9.87	<0.005	<0.01	1.6	1.2	11.25	1150	0.05	0.02
L842080		<0.05	0.8	0.77	0.13	<0.05	<0.02	49.8	<0.005	<0.01	0.5	1.2	11.55	667	0.08	0.02
L842081		2.26	29.4	1.30	1.21	0.10	0.20	5.48	0.061	0.20	9.6	1.2	0.58	261	11.85	0.01
L842082		<0.05	2.9	0.76	0.13	0.05	<0.02	64.7	<0.005	<0.01	0.4	0.9	11.40	752	0.10	0.04
L842083		<0.05	2.4	1.07	0.15	0.05	<0.02	112.0	0.006	<0.01	0.3	0.9	10.85	692	0.05	0.04
L842084		<0.05	2.4	1.89	0.19	0.08	<0.02	175.0	0.018	<0.01	0.6	0.8	10.55	761	0.09	0.04
L842085		<0.05	2.0	0.80	0.19	0.06	<0.02	40.7	<0.005	<0.01	0.6	1.0	11.40	786	0.09	0.04

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 Total # Pages: 2 (A - D)  
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 Finalized Date: 26- JUL- 2012  
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Project: Crag East

**CERTIFICATE OF ANALYSIS WH1216691**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
L842050		0.09	1.3	220	3.4	0.9	<0.001	<0.01	7.24	0.5	0.3	0.6	77.6	<0.01	<0.01	0.2
L842051		0.08	0.8	140	0.8	0.2	<0.001	<0.01	2.64	0.2	0.2	<0.2	47.2	<0.01	<0.01	<0.2
L842052		0.12	2.0	160	1.2	1.4	<0.001	<0.01	<0.05	0.4	0.2	<0.2	45.9	<0.01	0.01	<0.2
L842053		0.09	1.2	140	0.9	0.2	<0.001	<0.01	2.45	0.2	0.2	<0.2	45.4	<0.01	<0.01	<0.2
L842054		0.10	1.5	140	0.9	0.2	<0.001	<0.01	2.50	0.2	0.2	<0.2	46.3	<0.01	<0.01	<0.2
L842055		0.07	70.2	820	19.0	11.4	0.037	1.97	8.38	3.3	6.1	1.9	32.9	<0.01	0.67	1.9
L842056		0.10	1.6	190	3.5	0.5	<0.001	<0.01	5.18	0.5	0.2	<0.2	79.3	<0.01	0.01	0.2
L842057		0.10	1.5	180	4.3	0.6	<0.001	<0.01	6.51	0.7	0.2	<0.2	95.6	<0.01	0.01	0.2
L842058		0.10	4.0	650	17.8	1.1	<0.001	<0.01	3.37	1.2	0.3	<0.2	159.5	<0.01	0.02	0.7
L842059		0.10	1.5	340	4.6	0.4	<0.001	<0.01	2.19	0.5	0.2	<0.2	106.5	<0.01	0.01	0.2
L842060		0.10	0.9	210	2.2	0.2	<0.001	<0.01	1.14	0.4	0.2	<0.2	91.5	<0.01	0.01	<0.2
L842061		0.11	2.3	270	6.6	0.6	<0.001	0.23	2.44	0.7	0.3	<0.2	105.5	<0.01	0.02	0.3
L842062		0.11	1.4	260	3.5	0.2	<0.001	0.10	2.02	0.7	0.3	<0.2	99.9	<0.01	0.01	0.2
L842063		0.11	2.0	270	6.8	0.7	<0.001	0.11	3.40	0.8	0.3	<0.2	99.2	<0.01	0.01	0.3
L842064		0.11	2.0	370	3.4	0.6	<0.001	0.09	1.10	0.7	0.3	<0.2	122.5	<0.01	0.01	0.3
L842065		0.10	5.2	280	9.7	1.5	0.001	0.36	2.18	1.9	0.3	<0.2	166.0	<0.01	0.02	0.9
L842066		0.11	3.2	190	6.1	1.3	<0.001	0.23	1.11	1.7	0.3	<0.2	140.0	<0.01	0.01	0.5
L842067		0.10	2.3	130	6.5	1.2	<0.001	0.20	4.92	1.4	0.3	<0.2	134.0	<0.01	0.02	0.6
L842068		0.11	2.5	140	5.3	1.1	<0.001	0.23	5.82	1.3	0.3	<0.2	138.5	<0.01	0.01	0.6
L842069		0.07	0.9	170	4.0	0.2	<0.001	0.10	1.84	0.4	0.2	<0.2	67.7	<0.01	0.02	<0.2
L842070		0.09	0.9	150	1.3	0.1	<0.001	0.04	0.33	0.2	0.3	<0.2	63.1	<0.01	0.01	<0.2
L842071		0.09	1.0	140	1.9	0.1	<0.001	0.05	1.49	0.4	0.2	<0.2	62.0	<0.01	0.01	<0.2
L842072		0.10	1.0	150	1.5	0.1	<0.001	0.08	1.97	0.3	0.2	<0.2	70.2	<0.01	0.01	<0.2
L842073		0.10	0.9	260	1.6	0.1	<0.001	0.09	1.93	0.3	0.3	<0.2	86.3	<0.01	0.02	<0.2
L842074		0.07	1.8	280	7.5	0.3	<0.001	1.31	12.40	0.7	0.3	<0.2	77.3	<0.01	0.02	0.2
L842075		0.09	2.4	180	1.2	1.1	<0.001	<0.01	<0.05	0.4	0.2	<0.2	48.4	<0.01	0.01	<0.2
L842076		0.10	0.4	240	4.3	0.1	<0.001	2.52	62.4	0.7	0.2	0.2	54.3	<0.01	0.02	<0.2
L842077		0.09	0.9	200	1.9	0.1	<0.001	0.08	1.77	0.6	0.3	<0.2	77.0	<0.01	0.01	<0.2
L842078		0.09	0.7	180	1.9	0.1	<0.001	0.13	2.75	0.5	0.3	<0.2	77.6	<0.01	0.01	<0.2
L842079		0.10	0.6	230	1.1	0.1	<0.001	0.05	1.01	0.3	0.2	<0.2	73.1	<0.01	0.01	<0.2
L842080		0.09	0.8	250	1.7	0.1	<0.001	0.37	5.73	0.3	0.2	<0.2	111.5	<0.01	0.01	<0.2
L842081		0.06	60.0	4160	4.3	14.6	0.035	1.36	5.12	5.8	7.6	0.8	136.5	0.01	0.47	4.1
L842082		0.15	1.4	250	2.5	0.2	<0.001	0.34	12.20	0.4	<0.2	<0.2	87.2	<0.01	0.03	<0.2
L842083		0.16	1.0	230	2.3	0.1	<0.001	0.53	20.3	0.4	<0.2	0.2	76.1	<0.01	0.02	<0.2
L842084		0.19	1.3	270	7.0	0.1	0.001	2.60	53.9	0.4	0.2	<0.2	79.2	<0.01	0.04	<0.2
L842085		0.12	1.9	300	8.1	0.1	0.001	0.60	6.69	0.4	0.2	<0.2	77.3	<0.01	0.04	<0.2



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 Plus Appendix Pages  
 Finalized Date: 26- JUL- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12166691**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
L842050		<0.005	2.15	1.05	2	0.08	2.46	45	1.1	
L842051		<0.005	1.01	0.96	1	<0.05	1.56	17	0.6	
L842052		<0.005	<0.02	0.42	2	<0.05	0.90	12	<0.5	
L842053		<0.005	0.84	0.90	1	<0.05	1.48	18	0.7	
L842054		<0.005	0.84	0.91	1	0.05	1.50	18	0.7	
L842055		<0.005	2.26	1.73	51	2.22	7.17	137	7.5	
L842056		<0.005	1.72	1.24	1	0.07	2.29	34	1.6	
L842057		<0.005	1.48	1.16	2	0.06	3.36	34	1.4	
L842058		<0.005	2.90	2.00	3	0.15	4.82	54	3.0	
L842059		<0.005	1.48	1.38	2	<0.05	3.80	23	0.9	
L842060		<0.005	1.73	1.09	2	<0.05	3.41	47	0.6	
L842061		<0.005	3.95	1.53	2	<0.05	6.51	100	1.5	
L842062		<0.005	5.21	1.79	2	<0.05	6.62	441	0.9	
L842063		<0.005	5.09	2.22	3	0.06	5.37	130	1.7	
L842064		<0.005	2.25	2.04	2	<0.05	5.20	23	1.2	
L842065		<0.005	4.75	1.91	4	0.05	7.08	7	3.8	
L842066		<0.005	4.22	1.03	3	<0.05	7.40	29	2.3	
L842067		<0.005	12.45	1.23	3	0.06	5.30	13	2.6	
L842068		<0.005	10.65	1.25	3	0.05	5.24	11	2.7	
L842069		<0.005	9.23	1.67	2	<0.05	2.69	6	0.8	
L842070		<0.005	2.38	1.45	1	<0.05	2.36	5	0.5	
L842071		<0.005	4.94	1.23	1	<0.05	2.93	6	<0.5	
L842072		<0.005	10.45	1.49	1	<0.05	3.01	9	0.7	
L842073		<0.005	3.33	1.73	1	<0.05	5.43	25	0.5	
L842074		<0.005	126.0	2.59	2	<0.05	2.63	4	1.3	
L842075		<0.005	0.15	0.53	2	0.05	0.85	13	<0.5	
L842076		<0.005	340	1.23	1	<0.05	3.15	8	0.5	
L842077		<0.005	13.60	1.45	1	<0.05	4.13	4	0.5	
L842078		<0.005	16.20	1.48	1	<0.05	3.40	4	0.6	
L842079		<0.005	5.06	1.47	1	<0.05	3.01	4	1.0	
L842080		<0.005	46.4	2.06	1	<0.05	2.20	4	<0.5	
L842081		<0.005	6.03	4.32	71	9.05	23.8	266	11.2	
L842082		<0.005	78.0	1.58	<1	<0.05	1.36	18	<0.5	
L842083		<0.005	194.5	1.74	<1	<0.05	1.18	38	0.7	1.05
L842084		<0.005	460	1.58	<1	<0.05	1.17	233	<0.5	3.10
L842085		<0.005	70.0	2.15	<1	<0.05	1.39	111	0.5	



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Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12166691**

<b>CERTIFICATE COMMENTS</b>	
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Applies to Method:



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**Finalized Date: 15- AUG- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12168816**

Project: Crag East  
 P.O. No.: Batch 12  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

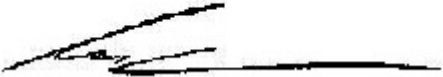
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12168816**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
L842122		8.41	0.001	0.01	0.02	3990	<0.2	<10	10	0.09	<0.01	19.95	0.01	1.44	0.8	1
L842123		8.53	0.002	<0.01	0.02	422	<0.2	<10	<10	0.09	<0.01	19.90	0.01	1.20	0.6	1
L842124		8.46	0.002	<0.01	0.02	840	<0.2	<10	<10	0.07	<0.01	19.80	0.01	0.95	0.7	1
L842125		8.35	0.002	<0.01	0.02	6380	<0.2	<10	<10	0.05	<0.01	21.4	0.01	0.77	0.6	1
L842126		8.35	0.001	0.01	0.01	2350	<0.2	<10	<10	0.05	<0.01	20.3	0.01	0.96	0.8	<1
L842127		8.49	0.002	<0.01	0.01	725	<0.2	<10	<10	0.08	<0.01	20.4	0.01	1.16	0.8	1
L842128		6.38	0.002	<0.01	0.01	749	<0.2	<10	<10	0.08	0.01	20.3	0.01	0.85	1.0	<1
L842129		1.35	0.002	<0.01	0.01	>10000	<0.2	<10	<10	0.07	<0.01	19.55	0.01	0.88	1.0	<1
L842130		2.86	0.002	<0.01	0.03	32	<0.2	<10	10	<0.05	0.02	20.1	0.06	1.11	0.9	<1
L842131		6.00	0.002	<0.01	0.02	335	<0.2	<10	10	0.06	<0.01	21.4	0.01	1.43	0.6	<1
L842132		2.92	0.002	0.01	0.02	1220	<0.2	<10	10	0.08	0.01	20.9	0.02	1.87	0.8	1
L842133		<0.02	0.001	0.01	0.02	1540	<0.2	<10	10	0.08	0.01	20.3	0.02	1.80	0.8	<1
L842134		7.99	0.001	<0.01	0.02	67	<0.2	<10	<10	0.06	<0.01	21.3	0.01	1.23	0.6	<1
L842135		7.86	0.002	<0.01	0.01	147	<0.2	<10	<10	0.07	<0.01	20.3	0.01	1.28	0.9	1
L842136		8.47	0.002	0.02	0.02	144	<0.2	<10	<10	<0.05	<0.01	21.1	<0.01	1.14	0.5	<1
L842137		0.26	0.308	>100	1.30	253	0.2	<10	90	0.24	5.61	0.66	26.0	9.52	12.0	32
L842138		8.11	0.003	0.03	0.02	143	<0.2	<10	<10	0.05	<0.01	21.3	0.01	1.12	0.5	<1
L842139		6.29	0.002	<0.01	0.02	189	<0.2	<10	<10	<0.05	<0.01	20.6	0.01	0.86	0.6	<1
L842140		2.03	0.002	<0.01	0.02	136	<0.2	<10	<10	0.06	<0.01	20.7	0.02	0.94	0.6	<1
L842141		6.46	0.002	<0.01	0.02	159	<0.2	<10	<10	<0.05	<0.01	21.1	0.09	0.95	0.6	<1
L842142		3.35	0.001	0.01	0.02	270	<0.2	<10	<10	<0.05	<0.01	20.5	0.08	1.00	0.7	<1
L842143		5.96	0.001	0.05	0.02	201	<0.2	<10	<10	0.07	<0.01	20.9	0.11	1.14	0.7	<1
L842144		7.29	0.002	<0.01	0.02	108	<0.2	<10	<10	0.06	<0.01	21.0	0.05	1.07	0.7	<1
L842145		6.22	0.002	<0.01	0.02	170	<0.2	<10	<10	0.08	<0.01	>25.0	0.07	0.83	0.6	<1
L842146		1.45	0.001	0.01	0.02	112	<0.2	<10	10	0.08	<0.01	>25.0	0.36	0.91	0.6	<1
L842147		4.30	0.001	<0.01	0.03	3	<0.2	<10	20	<0.05	0.02	21.2	0.08	1.49	1.1	<1
L842148		7.52	<0.001	<0.01	0.04	239	<0.2	<10	20	0.13	<0.01	21.4	0.05	2.69	0.8	<1
L842149		3.99	0.001	<0.01	0.03	164	<0.2	<10	10	0.15	<0.01	21.2	0.16	2.74	0.7	<1
L842150		2.64	<0.001	<0.01	0.02	69	<0.2	<10	10	0.10	<0.01	20.7	0.01	1.50	0.7	<1
L842151		0.26	7.42	0.45	0.46	863	<0.2	10	130	0.31	0.62	12.30	4.32	19.15	5.3	29
L842152		7.96	0.003	0.01	0.02	100	<0.2	<10	10	0.11	<0.01	21.0	0.02	1.14	0.6	<1
L842153		2.35	0.001	0.01	0.02	413	<0.2	<10	10	0.10	<0.01	21.6	0.09	1.59	0.7	<1
L842154		2.77	0.001	0.13	0.05	610	<0.2	<10	10	0.14	<0.01	21.1	0.08	1.95	0.8	<1
L842155		1.13	0.003	0.31	0.16	1340	<0.2	<10	20	0.15	0.02	19.15	0.13	3.42	1.1	2
L842156		1.33	0.001	0.01	0.03	713	<0.2	<10	10	0.07	<0.01	21.4	0.16	2.78	0.7	<1
L842157		0.95	0.001	0.32	0.10	844	<0.2	<10	20	0.08	0.01	19.85	0.08	2.67	0.9	1



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12168816**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
L842122		<0.05	1.1	0.55	0.09	<0.05	<0.02	350	<0.005	<0.01	0.8	0.8	11.75	495	0.07	0.03
L842123		<0.05	1.0	0.55	0.08	<0.05	<0.02	17.40	<0.005	<0.01	0.6	0.6	12.10	485	<0.05	0.03
L842124		<0.05	1.0	0.41	0.10	<0.05	<0.02	26.9	<0.005	<0.01	0.5	0.5	12.05	499	<0.05	0.04
L842125		<0.05	1.0	0.47	0.11	<0.05	<0.02	102.0	0.006	<0.01	0.4	0.4	11.85	867	0.05	0.04
L842126		<0.05	1.3	0.39	0.11	0.05	<0.02	128.5	<0.005	0.01	0.5	1.0	11.80	600	0.06	0.03
L842127		<0.05	1.0	0.38	0.13	0.09	<0.02	7.75	<0.005	<0.01	0.7	0.9	12.10	482	0.06	0.04
L842128		<0.05	1.0	0.50	0.17	0.11	<0.02	5.36	<0.005	<0.01	0.5	0.9	12.20	607	0.07	0.03
L842129		<0.05	1.2	0.81	0.15	0.07	<0.02	78.0	0.016	<0.01	0.4	0.8	12.15	649	0.08	0.03
L842130		0.37	1.1	0.45	0.12	0.13	<0.02	0.24	<0.005	0.01	0.5	1.2	12.15	208	<0.05	0.02
L842131		<0.05	1.0	0.35	0.12	0.16	<0.02	1.48	<0.005	<0.01	0.8	1.1	11.85	522	0.06	0.04
L842132		<0.05	1.6	0.80	0.12	0.11	0.02	54.1	<0.005	<0.01	1.1	1.1	12.10	664	0.19	0.03
L842133		<0.05	1.6	0.88	0.11	0.08	0.02	66.2	<0.005	<0.01	1.0	1.1	11.80	660	0.17	0.04
L842134		<0.05	0.9	0.38	0.10	0.16	<0.02	9.13	<0.005	<0.01	0.7	0.8	12.30	492	0.06	0.04
L842135		<0.05	1.3	0.34	0.12	0.07	<0.02	37.7	<0.005	<0.01	0.7	1.2	12.55	428	0.08	0.03
L842136		<0.05	1.1	0.30	0.08	0.13	<0.02	2.50	<0.005	<0.01	0.7	0.7	12.40	372	0.05	0.04
L842137		0.35	6410	5.50	4.59	0.12	0.26	1.22	0.431	0.10	4.4	13.3	0.79	1650	20.2	0.07
L842138		<0.05	2.2	0.33	0.09	0.10	<0.02	8.09	<0.005	<0.01	0.7	0.9	12.35	434	0.05	0.04
L842139		<0.05	0.9	0.31	0.09	0.15	<0.02	2.55	<0.005	<0.01	0.5	0.8	12.25	391	<0.05	0.04
L842140		<0.05	1.0	0.38	0.11	0.18	<0.02	5.84	<0.005	<0.01	0.6	0.7	12.00	461	<0.05	0.04
L842141		<0.05	0.9	0.39	0.13	0.17	<0.02	5.96	<0.005	0.01	0.5	0.6	11.80	377	<0.05	0.04
L842142		0.06	1.0	0.44	0.14	0.16	<0.02	12.50	<0.005	0.02	0.5	0.6	11.70	346	0.05	0.03
L842143		0.10	1.5	0.50	0.15	0.17	<0.02	1.39	<0.005	<0.01	0.7	0.7	12.10	458	<0.05	0.04
L842144		<0.05	0.9	0.37	0.13	0.18	<0.02	1.38	<0.005	<0.01	0.6	0.6	11.95	398	<0.05	0.04
L842145		<0.05	0.9	0.38	0.14	0.15	<0.02	8.65	<0.005	<0.01	0.5	0.5	9.04	549	<0.05	0.03
L842146		0.07	0.9	0.36	0.15	0.12	0.03	10.30	<0.005	<0.01	0.5	0.4	6.09	670	<0.05	0.03
L842147		0.27	1.2	0.47	0.15	0.16	<0.02	0.04	<0.005	0.02	0.7	0.8	12.80	226	<0.05	0.02
L842148		0.08	1.1	0.56	0.18	0.14	0.03	9.64	<0.005	0.01	1.5	0.9	11.65	649	0.05	0.03
L842149		<0.05	1.7	0.61	0.17	0.13	0.02	6.50	<0.005	0.01	1.6	0.8	12.00	667	<0.05	0.03
L842150		<0.05	0.7	0.37	0.14	0.18	<0.02	0.23	<0.005	<0.01	0.8	0.6	12.05	518	<0.05	0.03
L842151		2.38	29.2	1.36	1.25	0.11	0.17	5.72	0.067	0.21	9.9	1.0	0.60	276	12.00	0.02
L842152		<0.05	0.7	0.45	0.13	0.14	<0.02	3.49	<0.005	<0.01	0.7	0.6	11.75	732	<0.05	0.03
L842153		<0.05	1.0	0.57	0.14	0.15	<0.02	9.32	<0.005	<0.01	0.9	0.8	12.10	741	<0.05	0.03
L842154		0.35	1.0	0.88	0.18	0.09	0.02	10.75	<0.005	0.02	1.3	0.8	11.80	963	<0.05	0.03
L842155		3.26	2.2	0.97	0.40	0.08	0.05	14.10	<0.005	0.04	1.8	2.1	10.95	641	0.09	0.03
L842156		0.14	1.5	0.82	0.17	0.10	0.02	3.09	<0.005	0.01	1.6	0.6	11.15	926	<0.05	0.03
L842157		1.20	1.7	0.71	0.28	0.09	0.04	11.75	<0.005	0.03	1.4	1.2	9.40	919	0.08	0.03



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12168816**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842122		0.13	1.4	250	1.5	0.1	<0.001	0.23	7.02	0.2	0.3	<0.2	121.0	<0.01	0.01	<0.2
L842123		0.10	1.0	160	1.1	0.1	0.001	0.09	1.10	0.2	0.3	<0.2	109.0	<0.01	0.01	<0.2
L842124		0.12	1.3	190	0.9	0.1	0.001	0.09	2.61	0.2	0.3	<0.2	97.1	<0.01	0.01	<0.2
L842125		0.12	1.6	210	1.3	0.1	0.001	0.38	16.20	0.2	0.3	<0.2	100.5	<0.01	0.01	<0.2
L842126		0.18	1.0	210	1.4	0.1	<0.001	0.18	10.95	0.3	0.2	<0.2	88.2	<0.01	0.01	<0.2
L842127		0.14	1.3	220	1.0	0.1	<0.001	0.10	6.16	0.3	0.2	<0.2	89.4	<0.01	0.02	<0.2
L842128		0.21	2.9	160	1.4	0.1	<0.001	0.10	4.17	0.3	0.2	<0.2	90.6	<0.01	0.02	<0.2
L842129		0.22	2.8	270	1.9	<0.1	<0.001	1.13	57.4	0.4	0.2	<0.2	80.7	<0.01	0.02	<0.2
L842130		0.12	1.7	170	1.1	1.5	0.001	0.02	0.13	0.3	<0.2	<0.2	47.2	<0.01	0.01	<0.2
L842131		0.12	1.4	360	1.4	0.1	0.001	0.06	1.45	0.2	0.2	<0.2	103.5	<0.01	0.01	<0.2
L842132		0.13	2.4	430	4.5	0.1	0.001	0.55	41.7	0.3	0.2	<0.2	117.5	<0.01	0.02	<0.2
L842133		0.13	2.3	430	4.5	0.1	0.001	0.67	51.4	0.3	0.2	<0.2	118.0	<0.01	0.01	<0.2
L842134		0.12	1.0	250	1.6	0.1	0.001	0.04	1.06	0.1	0.2	<0.2	98.6	<0.01	0.01	<0.2
L842135		0.17	2.6	240	1.2	0.1	<0.001	0.05	1.56	0.3	0.2	<0.2	89.9	<0.01	0.02	<0.2
L842136		0.09	0.5	220	1.0	0.1	0.001	0.03	1.47	0.1	<0.2	<0.2	89.2	<0.01	0.01	<0.2
L842137		0.25	26.9	440	>10000	4.3	0.008	2.36	405	5.0	2.2	1.6	30.5	<0.01	1.25	1.0
L842138		0.11	<0.2	260	3.4	0.1	<0.001	0.06	2.36	0.1	<0.2	<0.2	92.4	<0.01	0.02	<0.2
L842139		0.12	0.8	180	0.9	<0.1	0.001	0.02	1.17	0.1	<0.2	<0.2	84.7	<0.01	0.01	<0.2
L842140		0.12	0.9	200	1.1	<0.1	0.001	0.02	3.94	0.1	<0.2	<0.2	82.6	<0.01	0.01	<0.2
L842141		0.12	1.3	190	2.0	0.1	0.001	0.02	14.15	0.1	<0.2	<0.2	83.7	<0.01	0.01	<0.2
L842142		0.13	1.3	190	2.1	0.1	0.001	0.02	19.30	0.2	<0.2	<0.2	82.7	<0.01	0.01	<0.2
L842143		0.14	1.5	210	3.5	0.2	<0.001	0.02	20.9	0.2	<0.2	0.2	86.3	<0.01	0.01	<0.2
L842144		0.13	1.7	190	1.7	0.1	0.001	0.02	9.95	0.1	<0.2	<0.2	89.0	<0.01	0.01	<0.2
L842145		0.16	1.8	130	2.2	0.1	0.001	0.02	9.07	0.2	0.2	<0.2	85.1	<0.01	0.01	<0.2
L842146		0.20	2.2	100	8.9	0.1	0.001	0.02	16.20	0.4	0.4	<0.2	94.8	<0.01	0.01	<0.2
L842147		0.16	2.5	180	1.2	1.2	0.001	0.02	0.11	0.4	<0.2	<0.2	50.0	<0.01	0.01	<0.2
L842148		0.14	1.8	410	4.5	0.4	0.001	0.02	6.60	0.5	<0.2	0.2	138.5	<0.01	0.01	0.2
L842149		0.14	2.0	360	4.1	0.3	0.001	0.02	19.35	0.4	<0.2	0.3	126.0	<0.01	0.01	<0.2
L842150		0.13	1.7	270	0.8	0.1	<0.001	0.02	8.40	0.1	<0.2	<0.2	102.0	<0.01	0.01	<0.2
L842151		0.08	56.7	4410	4.4	16.8	0.034	1.38	5.93	5.7	9.3	0.9	142.0	0.01	0.57	3.9
L842152		0.13	1.2	180	1.0	0.1	0.001	0.02	6.10	0.2	<0.2	<0.2	105.0	<0.01	0.01	<0.2
L842153		0.14	1.8	190	1.6	0.1	0.001	0.02	5.59	0.2	<0.2	0.2	101.0	<0.01	0.01	<0.2
L842154		0.15	2.0	210	2.7	0.7	0.001	0.02	7.08	0.4	<0.2	<0.2	91.1	<0.01	0.01	<0.2
L842155		0.16	3.9	240	4.9	2.8	0.001	0.01	18.80	0.9	0.2	<0.2	112.0	<0.01	0.02	0.4
L842156		0.14	2.2	190	1.4	0.3	0.001	0.01	7.94	0.4	0.2	0.3	110.0	<0.01	0.01	<0.2
L842157		0.14	3.0	190	3.1	1.5	0.001	0.01	9.95	0.6	0.2	<0.2	101.0	<0.01	0.01	0.2



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12168816**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001	0.01
L842122		<0.005	0.66	2.20	1	<0.05	2.37	17	<0.5			
L842123		<0.005	0.37	1.54	<1	0.05	2.02	6	<0.5			
L842124		<0.005	1.56	2.00	1	<0.05	1.80	5	<0.5			
L842125		<0.005	7.98	1.95	<1	<0.05	1.53	5	<0.5			
L842126		<0.005	6.45	1.43	1	<0.05	1.41	2	<0.5			
L842127		<0.005	4.68	1.70	1	0.05	1.67	3	<0.5			
L842128		<0.005	3.97	1.31	1	<0.05	1.25	19	<0.5			
L842129		<0.005	55.3	1.48	1	<0.05	1.18	3	<0.5			1.46
L842130		<0.005	0.11	0.48	1	<0.05	0.78	12	<0.5			
L842131		<0.005	1.03	2.42	1	<0.05	2.72	<2	<0.5			
L842132		<0.005	48.9	3.57	<1	0.09	2.34	4	0.8			
L842133		<0.005	61.7	3.45	1	<0.05	2.29	4	0.8			
L842134		<0.005	0.81	1.48	<1	<0.05	1.72	10	<0.5			
L842135		<0.005	2.88	1.66	1	<0.05	1.86	4	<0.5			
L842136		<0.005	0.79	1.26	<1	<0.05	1.62	2	<0.5			
L842137		0.089	0.22	0.69	43	0.22	7.13	5120	7.5	103	1.015	
L842138		<0.005	2.43	1.29	<1	<0.05	1.54	4	<0.5			
L842139		<0.005	1.31	1.09	<1	<0.05	1.26	7	<0.5			
L842140		<0.005	0.94	1.25	<1	<0.05	1.38	13	<0.5			
L842141		<0.005	2.02	1.31	<1	0.09	1.70	22	<0.5			
L842142		<0.005	4.36	1.25	<1	0.21	1.58	31	<0.5			
L842143		<0.005	1.14	1.11	1	0.43	1.72	40	0.6			
L842144		<0.005	0.47	1.30	1	0.05	1.66	21	<0.5			
L842145		<0.005	0.57	0.95	1	0.10	5.29	25	0.5			
L842146		<0.005	0.95	1.04	1	0.34	11.75	45	1.0			
L842147		<0.005	0.02	0.41	1	<0.05	0.88	16	<0.5			
L842148		<0.005	0.83	1.29	1	0.08	2.60	54	1.1			
L842149		<0.005	0.46	1.24	1	0.13	2.55	65	0.8			
L842150		<0.005	0.25	1.10	1	0.13	1.85	20	<0.5			
L842151		<0.005	6.11	4.01	79	9.94	25.0	279	10.6			
L842152		<0.005	0.41	0.92	<1	0.18	1.79	15	0.7			
L842153		<0.005	0.99	0.97	<1	0.17	2.73	38	0.5			
L842154		<0.005	2.30	1.08	1	0.82	2.36	48	0.7			
L842155		<0.005	5.49	0.97	3	2.16	2.76	137	2.3			
L842156		<0.005	3.04	0.85	1	0.24	3.90	61	1.0			
L842157		<0.005	3.74	0.82	2	2.32	4.12	75	1.4			





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**CERTIFICATE OF ANALYSIS WH12168816**

**CERTIFICATE COMMENTS**

Applies to Method:



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To: **STRATEGIC METALS LTD.**

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**Finalized Date: 11- AUG- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
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**CERTIFICATE WH12170309**

Project: Crag East  
 P.O. No.:  
 This report is for 5 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

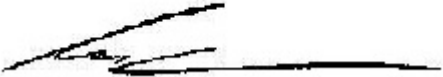
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12170309**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
G286051		0.17	0.001	0.03	0.05	>10000	<0.2	<10	30	0.05	0.04	19.40	0.14	3.64	0.8	1
G286052		0.25	0.002	0.06	0.03	201	<0.2	<10	10	0.07	0.19	19.25	3.69	1.89	0.6	1
G286053		0.52	<0.001	0.30	0.03	177	<0.2	<10	10	<0.05	0.02	19.55	1.34	1.20	2.1	3
G286054		0.15	0.003	0.25	0.06	262	<0.2	<10	70	0.15	0.05	19.25	11.65	3.88	1.9	1
G286055		0.39	0.011	6.57	0.01	557	<0.2	<10	10	<0.05	0.02	0.26	4.32	0.46	4.4	<1

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



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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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 VANCOUVER BC V6B 1L8

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 Finalized Date: 11- AUG- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12170309**

Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
G286051		<0.05	1.4	0.75	0.16	<0.05	0.02	1.51	0.023	0.01	2.4	0.6	9.72	880	0.06	0.02
G286052		<0.05	2.6	0.73	0.15	<0.05	<0.02	8.24	<0.005	<0.01	1.2	0.4	12.25	956	0.08	0.01
G286053		<0.05	1.8	0.45	0.17	<0.05	<0.02	1.19	<0.005	0.01	0.6	0.3	12.70	1260	0.18	0.02
G286054		0.14	1.8	1.88	0.82	<0.05	0.02	8.19	0.006	0.01	3.8	0.3	11.45	9290	0.17	0.02
G286055		<0.05	30.2	>50	1.36	1.09	<0.02	12.80	<0.005	0.01	0.3	0.2	0.19	372	82.6	0.01

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12170309**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	
G286051		0.29	<0.2	330	8.3	0.3	<0.001	0.85	36.3	0.5	0.4	<0.2	61.9	<0.01	0.01	0.2
G286052		0.15	<0.2	180	85.4	0.1	<0.001	0.11	3.45	0.2	<0.2	<0.2	50.9	<0.01	0.01	<0.2
G286053		0.16	3.4	540	27.1	0.2	<0.001	0.13	14.20	1.6	0.3	<0.2	73.1	<0.01	0.01	<0.2
G286054		0.17	3.9	460	103.0	0.5	<0.001	0.15	117.0	1.7	0.3	<0.2	106.0	<0.01	0.02	<0.2
G286055		0.93	23.7	100	445	0.2	0.001	>10.0	189.0	0.9	2.9	0.4	4.0	<0.01	0.06	<0.2

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



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12170309**

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm	As- OG46 As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
G286051		<0.005	0.30	2.72	1	<0.05	5.88	45	1.3	1.93
G286052		<0.005	0.25	1.27	<1	0.07	2.07	226	<0.5	
G286053		<0.005	1.17	1.03	6	<0.05	4.57	357	<0.5	
G286054		<0.005	1.74	1.78	5	0.09	5.19	2370	0.8	
G286055		<0.005	22.2	1.44	7	0.05	2.54	5810	<0.5	

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



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12170309**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**

**C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

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**Finalized Date: 11- AUG- 2012**

**This copy reported on**

**19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12174362**

Project: Crag East 1  
 P.O. No.:  
 This report is for 76 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
DD015268		0.24	0.002	0.04	0.87	5.3	<0.2	<10	250	0.94	0.29	0.70	0.07	7.12	7.1	17
DD015269		0.23	0.002	0.02	1.59	7.5	<0.2	<10	270	0.54	0.27	0.47	0.04	18.00	7.9	23
DD015270		0.21	0.001	0.04	0.71	7.4	<0.2	<10	230	0.71	0.28	0.71	0.07	6.42	7.8	13
DD015271		0.23	0.001	0.09	1.05	8.1	<0.2	<10	240	0.74	0.21	1.11	0.10	17.20	8.9	17
DD015272		0.25	0.007	0.03	0.72	6.7	<0.2	<10	180	1.25	0.29	0.28	0.04	8.23	13.3	20
DD015273		0.36	0.001	0.05	0.79	7.1	<0.2	<10	190	1.19	0.32	0.33	0.04	8.81	13.1	22
DD015274		0.19	0.002	0.11	1.52	9.6	<0.2	<10	200	0.66	0.30	1.26	0.23	18.20	13.3	23
DD015275		0.36	0.003	0.06	1.26	8.7	<0.2	<10	160	0.74	0.29	0.71	0.14	18.45	12.1	23
DD015276		0.34	0.002	0.05	1.39	8.2	<0.2	<10	180	0.78	0.29	1.98	0.12	18.15	13.6	24
DD015277		0.20	<0.001	0.10	1.60	11.7	<0.2	<10	230	0.92	0.34	1.10	0.26	16.95	14.1	26
DD015278		0.25	0.002	0.10	1.73	14.0	<0.2	<10	160	0.87	0.32	0.66	0.17	20.9	14.6	29
DD015279		0.23	0.007	0.13	1.52	14.1	<0.2	<10	140	0.75	0.30	3.07	0.46	19.15	13.4	26
DD015280		0.16	0.003	0.19	1.58	16.8	<0.2	<10	170	0.91	0.33	1.52	0.51	21.0	16.6	27
DD015281		0.26	0.002	0.09	1.28	8.1	<0.2	<10	240	0.83	0.26	2.33	0.09	13.05	10.7	22
DD015282		0.29	0.003	0.07	1.47	9.2	<0.2	<10	300	0.90	0.30	0.98	0.09	17.65	12.2	26
DD015283		0.21	0.002	0.04	1.51	10.7	<0.2	<10	280	1.10	0.30	0.80	0.09	16.30	11.3	26
DD015284		0.26	0.002	0.05	1.41	7.5	<0.2	<10	160	0.78	0.28	1.23	0.09	16.05	12.2	24
DD015285		0.25	0.004	0.06	1.29	8.1	<0.2	<10	220	0.85	0.28	2.03	0.11	16.70	11.8	22
DD015286		0.19	0.001	0.03	1.66	8.7	<0.2	<10	220	0.85	0.27	0.40	0.06	21.1	10.2	26
DD015287		0.26	0.002	0.06	1.30	9.7	<0.2	<10	210	1.09	0.32	0.75	0.08	12.90	12.2	24
DD015288		0.20	0.004	0.09	1.15	30.8	<0.2	<10	480	0.89	0.31	1.93	0.22	25.3	13.1	22
DD015289		0.18	0.001	0.10	0.75	31.3	<0.2	<10	150	0.78	0.30	6.81	0.12	19.75	8.8	13
DD015290		0.35	0.001	0.05	0.67	9.6	<0.2	<10	160	0.75	0.27	0.15	0.05	12.00	7.8	11
DD015291		0.23	<0.001	0.09	1.03	20.0	<0.2	<10	240	0.64	0.22	2.44	0.28	10.90	8.5	19
DD015292		0.21	0.002	0.05	2.07	8.3	<0.2	<10	420	1.00	0.30	0.22	0.11	20.8	10.9	27
DD015293		0.25	0.001	0.02	1.43	8.5	<0.2	<10	160	1.58	0.38	0.04	0.06	12.30	17.1	28
DD015294		0.23	0.001	0.05	1.16	12.5	<0.2	<10	100	0.37	0.28	0.02	0.06	14.45	5.6	19
DD015295		0.19	0.002	0.17	1.09	7.6	<0.2	<10	280	0.92	0.24	1.43	0.10	17.30	8.8	19
DD015296		0.32	<0.001	0.16	1.21	12.4	<0.2	<10	270	1.08	0.27	1.71	0.16	14.30	8.2	20
DD015297		0.24	0.001	0.05	1.05	12.7	<0.2	<10	200	0.44	0.28	0.22	0.08	13.20	8.0	19
DD015298		0.18	0.003	0.14	0.75	10.0	<0.2	<10	350	0.60	0.22	2.03	0.24	9.75	7.9	13
DD015299		0.27	0.002	0.11	0.87	13.5	<0.2	<10	200	0.98	0.27	1.16	0.12	13.40	9.5	17
DD015300		0.29	0.001	0.02	1.44	11.8	<0.2	<10	270	1.39	0.31	0.16	0.03	27.1	14.4	24
DD015339		0.28	0.001	0.04	1.72	12.5	<0.2	<10	270	0.90	0.29	0.22	0.05	25.2	11.4	27
DD015340		0.28	0.002	0.05	1.53	10.9	<0.2	<10	270	1.14	0.30	0.28	0.04	22.0	13.2	26
DD015341		0.36	0.003	0.09	1.16	2.3	<0.2	10	110	0.65	0.21	2.13	0.15	17.90	7.9	23
DD015342		0.10	0.036	0.06	0.47	2.9	<0.2	30	470	0.43	0.11	6.41	0.26	3.86	5.6	6
DD015343		0.30	0.003	0.03	1.39	9.2	<0.2	<10	150	0.83	0.31	0.07	0.06	18.50	12.8	25
DD015344		0.26	0.003	0.04	1.53	10.4	<0.2	<10	200	1.44	0.34	0.25	0.07	25.7	14.6	28
DD015345		0.23	0.002	0.07	0.99	9.7	<0.2	<10	200	0.83	0.26	1.39	0.10	12.80	11.3	19



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD015268		1.35	13.1	2.69	2.93	<0.05	0.02	0.31	0.026	0.09	3.6	15.7	0.27	380	0.45	0.02
DD015269		0.77	14.8	3.25	5.23	<0.05	0.03	0.28	0.027	0.05	8.2	25.6	0.40	327	0.56	0.02
DD015270		1.05	29.1	3.02	2.36	<0.05	0.04	0.23	0.033	0.09	3.1	8.3	0.19	321	0.43	0.02
DD015271		0.72	21.0	2.57	3.09	<0.05	0.04	0.24	0.032	0.06	8.3	14.3	0.31	681	0.58	0.02
DD015272		2.28	31.2	3.53	2.47	<0.05	0.03	0.24	0.036	0.07	3.7	10.9	0.21	476	0.43	0.02
DD015273		2.46	30.4	3.84	2.82	0.07	0.05	0.06	0.033	0.08	4.4	10.9	0.23	512	0.47	0.01
DD015274		0.78	21.0	3.52	4.55	<0.05	0.06	0.22	0.029	0.06	7.6	34.2	0.58	535	0.72	0.02
DD015275		0.89	34.8	3.66	4.14	0.05	0.05	0.19	0.032	0.07	7.8	23.1	0.56	834	0.50	0.02
DD015276		0.71	34.7	3.60	4.38	0.05	0.05	0.08	0.025	0.06	7.3	24.3	0.78	845	0.49	0.01
DD015277		0.64	26.8	3.91	4.56	0.05	0.06	0.09	0.025	0.08	7.1	33.3	0.67	619	0.90	0.01
DD015278		0.64	25.5	4.20	4.89	0.06	0.06	0.08	0.029	0.06	9.7	39.2	0.68	543	1.18	0.01
DD015279		0.79	29.2	3.80	4.23	0.06	0.07	0.10	0.026	0.06	8.5	32.9	1.22	545	1.44	0.02
DD015280		0.89	35.8	4.08	4.47	0.08	0.06	0.09	0.026	0.07	8.9	36.3	0.87	954	1.40	0.02
DD015281		1.00	28.8	3.22	3.77	0.05	0.05	0.09	0.023	0.07	6.3	20.0	0.63	712	0.54	0.02
DD015282		0.70	33.2	3.79	4.43	0.05	0.07	0.09	0.028	0.06	7.9	22.8	0.58	766	0.58	0.01
DD015283		0.62	27.6	3.88	4.46	<0.05	0.05	0.06	0.032	0.07	7.3	25.0	0.46	673	0.57	0.01
DD015284		0.63	31.4	3.54	4.34	0.05	0.05	0.10	0.025	0.06	6.9	24.8	0.63	731	0.44	0.01
DD015285		0.76	34.9	3.30	4.13	0.05	0.05	0.09	0.028	0.06	7.3	22.6	0.67	604	0.44	0.01
DD015286		0.73	18.9	3.34	5.04	0.05	0.05	0.05	0.028	0.05	10.2	23.9	0.45	529	0.74	0.01
DD015287		1.17	27.6	3.70	3.92	<0.05	0.04	0.08	0.029	0.06	6.2	20.2	0.44	761	0.66	0.01
DD015288		0.59	20.9	3.77	3.16	0.05	0.03	0.08	0.026	0.05	9.7	13.1	0.34	3440	1.11	0.01
DD015289		0.38	16.1	2.44	1.74	<0.05	0.03	0.05	0.022	0.06	8.3	6.2	0.27	1840	0.66	0.02
DD015290		1.85	13.2	2.80	2.13	<0.05	0.02	0.03	0.025	0.08	5.1	6.6	0.12	351	0.45	0.01
DD015291		0.80	24.6	2.41	2.93	0.05	0.03	0.13	0.023	0.05	4.3	15.6	0.40	662	0.63	0.01
DD015292		1.14	12.6	3.62	6.48	<0.05	0.04	0.04	0.030	0.04	8.9	29.4	0.33	939	0.87	0.01
DD015293		1.48	29.3	4.36	3.72	<0.05	0.08	0.14	0.033	0.06	3.9	22.0	0.34	934	0.45	0.01
DD015294		1.01	5.4	3.06	4.33	<0.05	0.04	0.06	0.021	0.05	7.0	19.6	0.19	180	0.65	0.01
DD015295		1.62	24.6	2.49	3.00	<0.05	0.04	0.13	0.023	0.06	7.9	17.1	0.42	359	0.59	0.01
DD015296		1.45	33.1	2.48	3.39	0.05	0.04	0.21	0.026	0.08	7.1	16.9	0.33	571	0.49	0.01
DD015297		0.91	11.9	3.04	3.84	<0.05	<0.02	0.04	0.020	0.06	6.1	18.1	0.28	224	0.72	0.01
DD015298		0.80	20.5	2.18	2.10	<0.05	0.04	0.14	0.021	0.07	4.4	10.2	0.24	680	0.41	0.01
DD015299		0.80	31.1	2.80	2.68	<0.05	0.05	0.39	0.027	0.08	6.1	14.4	0.33	201	0.46	0.01
DD015300		0.84	28.0	3.74	4.08	0.05	0.03	0.14	0.033	0.06	8.3	18.4	0.34	970	0.48	0.01
DD015339		0.94	16.0	3.52	5.01	0.05	0.03	0.06	0.028	0.05	9.9	24.0	0.45	443	0.74	0.01
DD015340		0.72	24.9	3.66	4.60	0.06	0.09	0.13	0.032	0.05	10.6	21.2	0.41	700	0.59	0.01
DD015341		0.82	19.4	1.96	3.68	0.07	0.06	0.14	0.022	0.09	7.7	31.7	0.92	199	0.15	0.01
DD015342		0.56	25.2	0.99	1.37	<0.05	0.04	0.08	0.008	0.04	1.8	5.2	0.63	2240	0.41	0.02
DD015343		0.88	25.2	3.80	4.62	<0.05	0.03	0.10	0.029	0.04	7.8	24.0	0.35	648	0.67	<0.01
DD015344		1.40	36.8	4.02	4.62	0.05	0.04	0.10	0.033	0.06	10.8	22.5	0.38	750	0.58	0.01
DD015345		1.25	29.3	3.12	3.07	0.05	0.04	0.10	0.028	0.07	5.0	15.7	0.43	739	0.65	0.01



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**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015268		0.87	14.2	270	17.4	11.2	<0.001	0.01	0.30	3.5	<0.2	0.6	37.1	<0.01	0.01	1.7
DD015269		1.26	21.0	230	18.0	8.7	<0.001	<0.01	0.26	3.0	0.5	0.5	23.4	<0.01	0.02	3.1
DD015270		0.64	20.3	240	15.4	8.0	<0.001	0.01	0.27	4.7	0.2	0.4	31.6	<0.01	0.02	2.0
DD015271		0.52	22.9	360	13.6	7.0	<0.001	0.01	0.37	3.7	0.6	0.3	25.7	<0.01	0.03	1.5
DD015272		1.05	23.3	180	17.8	7.5	<0.001	<0.01	0.30	5.5	0.4	0.6	14.7	<0.01	0.04	2.9
DD015273		1.37	24.5	190	18.6	9.1	<0.001	0.01	0.27	5.7	0.3	0.7	15.1	<0.01	0.03	3.8
DD015274		0.83	29.1	660	22.9	6.8	<0.001	0.06	0.41	3.5	0.6	0.3	53.1	<0.01	0.03	2.5
DD015275		1.62	26.2	560	25.1	6.1	<0.001	0.01	0.29	4.7	0.6	0.4	27.4	<0.01	0.03	3.4
DD015276		1.36	28.6	530	23.3	5.5	<0.001	0.02	0.33	4.8	0.5	0.4	58.1	<0.01	0.03	3.4
DD015277		0.72	28.8	600	25.1	6.7	0.001	0.05	0.45	3.6	0.5	0.3	42.8	<0.01	0.01	2.2
DD015278		0.80	34.6	450	25.7	4.8	0.001	0.03	0.51	4.3	0.3	0.3	35.1	<0.01	0.03	3.6
DD015279		0.81	34.4	710	23.2	4.0	0.001	0.03	0.65	4.0	0.5	0.3	78.3	<0.01	0.02	4.2
DD015280		0.80	38.5	650	27.2	5.1	0.001	0.05	0.72	4.5	1.0	0.3	51.6	<0.01	0.02	4.1
DD015281		0.98	23.9	530	19.7	6.9	0.001	0.05	0.35	3.7	0.5	0.4	79.4	<0.01	0.01	1.6
DD015282		1.15	27.0	390	22.4	6.4	0.001	0.03	0.33	5.4	0.4	0.5	37.6	<0.01	0.02	3.1
DD015283		1.23	26.0	290	19.1	7.4	<0.001	0.03	0.34	5.0	0.4	0.5	37.2	<0.01	0.04	2.6
DD015284		1.31	26.5	460	19.1	6.1	<0.001	0.03	0.29	4.2	0.4	0.4	46.4	<0.01	0.01	2.2
DD015285		1.27	25.4	470	22.3	6.2	<0.001	0.03	0.32	4.5	0.5	0.4	61.8	<0.01	0.02	2.5
DD015286		1.17	25.9	150	15.9	8.7	0.001	0.01	0.33	4.2	0.4	0.5	20.2	<0.01	0.03	3.9
DD015287		1.06	24.3	320	19.2	6.5	0.001	0.03	0.31	4.4	0.4	0.4	29.4	<0.01	0.01	2.2
DD015288		0.42	24.5	720	24.8	6.2	<0.001	0.06	0.46	2.5	0.6	0.3	39.7	<0.01	0.01	0.9
DD015289		0.30	15.6	270	24.7	5.3	<0.001	0.03	0.25	3.0	0.7	0.3	80.5	<0.01	0.01	1.8
DD015290		0.45	14.3	180	12.9	9.2	<0.001	0.01	0.22	4.1	0.4	0.4	9.8	<0.01	0.02	3.0
DD015291		0.68	20.9	670	16.8	6.5	<0.001	0.10	0.37	2.1	0.8	0.3	112.0	<0.01	0.02	0.6
DD015292		1.16	23.1	190	21.6	11.9	<0.001	0.01	0.23	3.1	<0.2	0.7	14.4	<0.01	0.03	3.3
DD015293		0.90	26.1	180	24.5	8.4	<0.001	0.01	0.30	3.8	<0.2	0.6	5.6	<0.01	0.02	4.5
DD015294		0.80	11.6	80	15.3	11.7	<0.001	0.01	0.31	1.8	<0.2	0.6	5.2	<0.01	0.03	3.0
DD015295		0.65	23.9	620	14.4	8.5	0.001	0.06	0.33	2.9	0.4	0.4	84.2	<0.01	0.02	1.2
DD015296		0.80	20.5	610	21.1	9.7	<0.001	0.10	0.34	3.5	1.6	0.4	84.4	<0.01	0.02	1.1
DD015297		0.92	15.8	120	19.4	9.9	<0.001	0.01	0.26	2.0	0.3	0.5	13.1	<0.01	0.03	2.4
DD015298		0.50	16.8	500	16.3	6.9	0.001	0.14	0.33	2.4	1.4	0.3	82.2	<0.01	0.03	1.1
DD015299		0.79	22.0	280	29.8	8.3	0.001	0.07	0.30	5.1	1.0	0.3	41.8	<0.01	0.03	2.5
DD015300		0.82	26.5	170	24.9	7.9	0.001	0.01	0.29	4.7	0.6	0.5	10.4	<0.01	0.03	4.0
DD015339		1.08	26.5	230	18.8	9.6	<0.001	0.01	0.31	3.5	0.4	0.5	13.4	<0.01	0.03	3.7
DD015340		0.93	26.6	190	22.3	7.0	0.001	0.01	0.29	5.5	0.7	0.5	15.5	<0.01	0.03	4.4
DD015341		1.51	20.5	570	20.2	9.6	0.002	0.12	0.13	4.5	1.4	0.4	63.4	<0.01	0.01	3.2
DD015342		0.31	13.7	900	6.0	4.1	0.003	0.23	0.38	0.7	1.4	0.2	231	<0.01	0.02	0.2
DD015343		1.29	23.2	200	20.6	7.5	<0.001	0.01	0.33	3.7	0.3	0.5	7.5	<0.01	0.02	3.8
DD015344		1.05	30.8	320	24.6	8.2	<0.001	0.01	0.30	6.7	0.7	0.5	17.7	<0.01	0.04	4.4
DD015345		1.09	21.4	330	19.5	7.1	<0.001	0.04	0.37	4.0	0.2	0.4	46.7	<0.01	0.05	1.7

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



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**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015268		0.012	0.06	0.53	21	0.17	3.82	67	0.6
DD015269		0.013	0.08	0.59	30	0.11	3.72	62	1.1
DD015270		0.007	0.06	0.40	16	0.06	4.33	51	1.0
DD015271		0.010	0.06	0.39	21	0.08	8.62	50	0.9
DD015272		0.016	0.06	0.44	23	0.14	4.84	62	1.6
DD015273		0.019	0.09	0.61	26	0.14	5.62	69	2.0
DD015274		0.009	0.06	0.92	24	<0.05	6.06	108	1.9
DD015275		0.026	0.05	0.51	23	0.07	7.00	96	2.2
DD015276		0.023	0.05	0.53	23	0.07	7.29	86	1.8
DD015277		0.010	0.07	0.91	26	0.07	6.37	115	1.6
DD015278		0.011	0.05	0.80	28	0.05	8.20	105	1.7
DD015279		0.014	0.08	0.77	29	<0.05	8.10	135	2.1
DD015280		0.010	0.08	0.71	27	0.05	9.29	140	2.3
DD015281		0.014	0.06	0.86	22	0.08	7.09	70	1.4
DD015282		0.017	0.06	0.58	26	0.09	8.92	77	1.7
DD015283		0.015	0.06	0.92	28	0.09	6.94	67	1.3
DD015284		0.020	0.04	0.85	24	0.08	7.25	77	1.5
DD015285		0.019	0.05	0.72	22	0.09	8.22	71	1.3
DD015286		0.018	0.08	0.66	32	0.15	6.67	65	1.8
DD015287		0.018	0.06	0.65	25	0.10	6.69	76	1.2
DD015288		0.010	0.08	0.69	32	0.11	10.85	54	0.7
DD015289		<0.005	0.06	0.29	21	0.05	11.55	21	1.1
DD015290		0.009	0.07	0.36	18	<0.05	5.09	50	0.7
DD015291		0.013	0.06	1.39	21	0.12	4.29	74	0.8
DD015292		0.012	0.10	0.46	44	0.15	2.97	92	1.4
DD015293		0.017	0.07	0.65	26	0.16	2.81	69	2.3
DD015294		0.014	0.08	0.40	32	0.14	1.52	42	1.2
DD015295		0.014	0.07	1.81	21	0.10	8.06	51	1.1
DD015296		0.010	0.07	2.68	23	0.10	9.06	50	1.3
DD015297		0.015	0.07	0.35	27	0.13	1.82	48	0.5
DD015298		0.008	0.06	2.98	16	0.06	4.74	36	1.1
DD015299		0.008	0.07	0.51	21	0.07	8.11	52	1.7
DD015300		0.012	0.07	0.61	24	0.07	5.53	62	1.1
DD015339		0.018	0.09	0.64	34	0.14	4.47	65	1.1
DD015340		0.016	0.08	0.84	28	0.11	9.92	66	1.9
DD015341		0.023	0.05	0.85	19	0.06	8.01	66	2.1
DD015342		0.005	0.06	5.43	7	<0.05	3.07	61	1.1
DD015343		0.019	0.06	0.60	28	0.10	4.62	56	0.9
DD015344		0.016	0.08	0.86	27	0.10	11.95	68	1.4
DD015345		0.014	0.07	0.72	22	0.12	5.29	79	1.3



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**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD015346		0.23	0.002	0.10	1.14	12.3	<0.2	<10	230	0.97	0.28	1.38	0.21	13.40	12.6	20
DD015347		0.21	<0.001	0.12	0.97	10.8	<0.2	10	300	0.91	0.24	1.85	0.28	12.60	10.0	17
DD015348		0.19	0.003	0.07	1.37	7.8	<0.2	<10	290	0.82	0.26	1.22	0.16	12.65	8.9	22
DD015349		0.30	0.002	0.07	1.41	9.8	<0.2	<10	210	0.93	0.31	0.44	0.16	17.30	11.1	26
DD015350		0.20	0.002	0.04	0.47	30.3	<0.2	<10	70	0.30	0.48	0.29	0.18	11.65	21.4	13
DD015464		0.28	0.003	0.26	1.00	35.3	<0.2	<10	170	0.90	0.29	1.01	0.72	19.35	13.6	19
DD015465		0.33	0.003	0.30	0.82	61.2	<0.2	<10	200	0.84	0.27	1.81	1.23	15.60	12.1	16
DD015466		0.35	0.004	0.30	0.78	64.0	<0.2	<10	170	0.86	0.27	2.30	1.11	16.50	12.6	15
DD015467		0.32	0.003	0.28	0.82	47.8	<0.2	<10	190	0.87	0.28	1.87	0.91	15.70	11.4	16
DD015468		0.32	0.003	0.25	0.76	53.3	<0.2	<10	230	0.82	0.27	2.35	0.97	14.90	10.8	14
DD015469		0.27	0.003	0.29	0.72	59.0	<0.2	<10	260	0.79	0.26	3.46	1.31	14.95	13.2	14
DD008301		0.25	0.005	0.16	1.33	8.3	<0.2	<10	270	0.96	0.28	1.13	0.56	22.4	10.5	24
DD008302		0.26	<0.001	0.10	1.17	6.7	<0.2	<10	250	0.76	0.26	2.19	0.34	16.85	9.9	20
DD008303		0.27	0.002	0.16	1.64	11.0	<0.2	<10	350	1.06	0.30	1.07	0.29	26.5	12.7	26
DD008304		0.27	<0.001	0.02	0.09	73	<0.2	<10	50	0.21	0.01	18.70	1.41	2.72	3.0	2
DD008305		0.26	0.003	0.08	1.63	34.3	<0.2	<10	230	1.25	0.33	0.61	0.12	26.3	13.8	27
DD008306		0.29	0.002	0.11	1.72	73.5	<0.2	<10	150	0.78	0.29	0.09	0.53	23.4	10.6	26
DD008307		0.24	0.003	0.20	1.35	57.6	<0.2	<10	270	0.90	0.28	1.99	0.71	20.2	12.4	23
DD008308		0.19	0.010	0.18	0.73	7.0	<0.2	<10	520	0.56	0.09	3.89	1.36	8.78	8.0	11
DD008309		0.19	<0.001	0.12	1.08	14.5	<0.2	<10	280	0.63	0.20	2.12	0.58	12.10	9.9	19
DD008310		0.12	0.009	0.15	0.83	12.3	<0.2	<10	330	0.68	0.17	3.04	0.51	8.76	7.4	12
DD008311		0.28	0.003	1.95	1.01	136	<0.2	<10	180	0.71	0.16	10.65	4.77	11.45	9.3	14
DD008312		0.28	0.003	0.17	1.86	407	<0.2	<10	150	1.25	0.27	4.28	2.70	18.25	12.5	25
DD008313		0.32	0.003	0.38	1.68	151.5	<0.2	<10	210	0.95	0.30	1.36	1.54	25.6	12.6	27
DD008314		0.31	0.003	0.51	1.52	384	<0.2	<10	160	0.88	0.28	2.40	3.12	23.3	13.2	23
DD008315		0.23	0.004	0.88	1.79	398	<0.2	<10	190	0.89	0.31	1.41	4.60	25.0	14.3	29
DD008316		0.25	0.002	0.31	1.95	231	<0.2	<10	260	0.76	0.29	0.42	3.23	25.4	12.0	32
DD008317		0.27	0.001	0.08	1.94	187.5	<0.2	<10	200	1.04	0.30	0.77	1.01	22.0	12.4	28
DD008318		0.25	0.004	0.71	1.45	1050	<0.2	<10	490	0.63	0.26	4.08	3.82	22.9	13.1	23
DD008319		0.26	0.001	0.02	1.19	14.0	<0.2	<10	110	0.78	0.32	0.15	0.08	15.75	11.1	21
DD008320		0.27	0.002	0.11	1.59	8.2	<0.2	<10	290	0.95	0.30	1.10	0.20	17.90	11.1	27
DD008321		0.22	<0.001	0.09	1.10	6.8	<0.2	<10	220	0.71	0.27	1.90	0.48	15.95	8.7	20
DD008322		0.35	0.002	0.08	1.12	11.5	<0.2	<10	190	0.83	0.31	0.58	0.09	17.15	11.2	22
DD008323		0.29	0.003	0.13	1.19	19.6	<0.2	<10	240	0.76	0.29	0.89	0.11	18.00	9.0	22
DD008324		0.31	0.001	0.11	1.27	11.1	<0.2	<10	260	0.81	0.29	1.03	0.16	16.35	10.3	24
DD008325		0.34	0.002	0.09	1.20	12.5	<0.2	<10	300	0.87	0.31	1.02	0.14	20.1	14.0	21



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD015346		1.45	33.0	3.09	3.73	<0.05	0.06	0.08	0.030	0.08	5.9	16.6	0.40	766	0.71	0.01
DD015347		5.14	30.3	2.75	2.85	<0.05	0.05	0.11	0.030	0.09	5.8	11.7	0.38	1100	0.51	0.01
DD015348		0.75	19.1	3.00	3.98	<0.05	0.05	0.10	0.027	0.07	6.2	18.3	0.34	502	0.43	0.01
DD015349		0.91	26.4	3.60	4.28	0.06	0.06	0.08	0.026	0.06	8.0	22.9	0.47	547	0.53	0.01
DD015350		1.23	15.6	2.85	2.34	0.05	0.02	0.20	0.026	0.05	4.8	5.7	0.12	313	0.92	0.01
DD015464		19.95	29.2	3.14	3.13	0.07	0.08	1.15	0.040	0.11	8.2	14.6	0.54	405	2.43	0.02
DD015465		19.95	39.0	3.55	2.38	0.07	0.08	4.06	0.038	0.11	6.5	9.8	0.72	532	3.83	0.02
DD015466		20.5	39.6	3.54	2.31	0.08	0.08	1.86	0.040	0.10	7.1	9.5	1.04	418	4.04	0.02
DD015467		21.1	34.2	3.21	2.37	0.08	0.07	1.89	0.036	0.11	6.5	10.4	0.79	431	3.15	0.02
DD015468		18.20	34.2	3.16	2.28	0.07	0.07	2.13	0.036	0.10	6.2	10.2	0.77	512	3.34	0.02
DD015469		9.91	33.6	3.16	2.15	0.07	0.08	2.49	0.035	0.10	6.2	10.2	0.92	683	4.11	0.02
DD008301		0.81	29.6	3.12	4.05	0.06	0.07	0.23	0.031	0.07	9.7	22.6	0.41	642	0.64	0.02
DD008302		0.67	30.5	2.91	3.77	0.07	0.06	0.11	0.027	0.07	6.9	19.3	0.56	722	0.57	0.02
DD008303		0.82	25.1	3.61	4.82	0.08	0.06	0.12	0.036	0.06	11.8	20.4	0.44	819	0.74	0.02
DD008304		0.14	2.0	2.13	0.25	0.05	0.02	5.60	<0.005	<0.01	1.8	0.6	11.75	1220	0.11	0.03
DD008305		1.03	33.2	4.26	4.81	0.11	0.07	1.69	0.039	0.07	15.5	21.2	0.51	934	0.59	0.02
DD008306		0.99	12.6	4.22	5.08	0.07	0.06	3.67	0.032	0.04	9.1	23.3	0.36	593	0.96	0.01
DD008307		0.80	22.9	4.19	4.20	0.08	0.07	3.57	0.033	0.07	9.5	19.4	1.29	941	0.58	0.02
DD008308		0.67	19.6	2.42	1.77	0.05	0.05	0.19	0.017	0.02	3.6	7.7	0.35	372	0.84	0.02
DD008309		1.01	19.9	3.22	3.18	0.06	0.04	0.16	0.024	0.05	5.2	17.2	0.43	701	0.81	0.02
DD008310		0.85	21.7	2.36	2.24	0.05	0.04	0.18	0.021	0.04	4.4	8.3	0.37	749	0.62	0.02
DD008311		0.58	11.9	3.14	2.73	0.07	0.06	5.94	0.020	0.04	6.7	9.5	6.70	2270	0.86	0.03
DD008312		0.81	15.8	4.54	5.50	0.10	0.08	11.60	0.039	0.04	12.3	15.7	2.67	2130	0.58	0.02
DD008313		0.83	17.0	4.14	4.94	0.09	0.08	3.11	0.036	0.05	12.1	18.2	1.04	1120	0.67	0.02
DD008314		0.86	19.1	4.42	4.56	0.09	0.07	7.98	0.033	0.05	12.3	14.5	1.59	2250	0.65	0.02
DD008315		0.95	15.4	5.05	5.28	0.11	0.09	13.20	0.038	0.06	12.0	17.0	1.07	2580	0.81	0.02
DD008316		1.12	10.1	4.43	6.14	0.09	0.06	5.14	0.035	0.05	11.8	16.0	0.49	1870	0.87	0.02
DD008317		0.84	19.5	4.55	5.33	0.09	0.08	3.18	0.038	0.05	10.7	14.1	0.62	1200	0.66	0.02
DD008318		0.65	20.9	3.79	4.25	0.08	0.07	3.52	0.029	0.06	10.5	19.5	2.65	1960	1.00	0.03
DD008319		0.69	28.8	3.83	3.68	0.06	0.04	0.11	0.037	0.05	6.4	16.0	0.30	449	0.64	0.01
DD008320		0.70	32.6	3.59	4.66	0.07	0.06	0.08	0.033	0.09	8.8	21.4	0.48	638	0.52	0.02
DD008321		2.98	23.7	2.48	3.30	0.07	0.05	0.13	0.028	0.06	6.6	15.2	0.40	488	0.41	0.01
DD008322		0.99	28.1	3.51	3.65	0.08	0.06	0.14	0.031	0.07	7.7	16.4	0.37	529	0.81	0.01
DD008323		0.73	25.1	3.11	3.59	0.08	0.05	0.11	0.030	0.07	9.9	18.0	0.40	370	0.84	0.02
DD008324		1.21	26.8	3.42	3.86	0.08	0.05	0.17	0.031	0.09	8.8	18.2	0.41	472	0.78	0.02
DD008325		1.24	30.0	3.80	3.79	0.08	0.06	0.12	0.031	0.09	8.3	18.0	0.53	941	0.73	0.02

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



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 Account: MTT

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**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD015346		0.83	27.0	540	19.2	9.9	<0.001	0.06	0.41	3.8	0.8	0.5	55.7	<0.01	0.04	1.5
DD015347		0.53	21.3	900	17.1	20.2	0.001	0.09	0.31	2.7	0.9	0.4	84.9	<0.01	0.03	0.8
DD015348		0.80	19.3	660	16.7	9.1	<0.001	0.07	0.18	3.7	0.8	0.5	48.4	<0.01	0.02	1.4
DD015349		1.14	29.0	280	20.3	7.6	<0.001	0.02	0.34	4.3	0.6	0.5	23.4	<0.01	0.02	3.2
DD015350		0.63	23.8	160	21.1	9.7	<0.001	0.01	1.04	3.0	0.2	0.4	29.4	<0.01	0.04	3.8
DD015464		0.42	36.8	760	22.4	15.9	0.001	0.02	0.92	5.2	0.9	0.5	42.5	<0.01	0.05	4.6
DD015465		0.32	42.8	690	22.9	15.8	0.001	0.02	1.35	5.2	1.2	0.5	55.7	<0.01	0.05	3.9
DD015466		0.25	42.3	690	24.3	15.0	0.001	0.02	1.43	5.6	1.1	0.5	65.2	<0.01	0.05	4.9
DD015467		0.28	36.3	690	22.1	16.0	0.001	0.02	1.21	5.3	1.0	0.5	53.2	<0.01	0.05	4.2
DD015468		0.26	34.8	650	22.0	15.3	0.001	0.02	1.20	5.0	1.0	0.5	62.3	<0.01	0.05	4.2
DD015469		0.26	39.8	660	24.5	15.8	0.001	0.02	1.44	4.7	1.1	0.5	88.3	<0.01	0.05	3.8
DD008301		1.13	23.2	680	18.9	9.3	0.001	0.07	0.53	4.5	1.7	0.5	49.6	<0.01	0.03	3.7
DD008302		1.17	21.0	600	16.3	7.4	<0.001	0.07	0.46	3.9	0.9	0.4	74.7	<0.01	0.02	2.8
DD008303		1.03	22.6	590	19.9	10.7	<0.001	0.04	0.51	4.4	1.0	0.5	45.6	<0.01	0.03	2.6
DD008304		0.14	6.8	420	21.2	0.7	0.001	0.02	7.52	3.4	0.6	<0.2	165.5	<0.01	0.02	0.3
DD008305		0.91	26.2	180	31.1	10.7	<0.001	0.01	1.24	7.1	0.8	0.6	25.0	0.01	0.03	5.3
DD008306		1.30	22.0	150	54.3	14.3	<0.001	0.01	8.50	3.0	0.5	0.6	9.6	<0.01	0.03	4.5
DD008307		1.14	24.3	390	56.1	8.7	<0.001	0.02	12.75	5.1	0.7	0.5	32.3	<0.01	0.03	4.1
DD008308		0.55	21.6	840	7.4	3.6	0.001	0.40	7.17	1.7	3.0	0.2	165.5	0.01	0.01	0.7
DD008309		0.83	26.4	760	11.6	9.6	<0.001	0.10	2.01	2.3	1.1	0.4	78.8	0.01	0.03	1.0
DD008310		0.55	18.6	1050	12.4	11.1	<0.001	0.14	1.48	1.6	1.0	0.3	110.5	0.01	0.04	0.5
DD008311		0.60	26.5	540	296	8.6	<0.001	0.04	51.6	4.7	1.0	0.4	72.9	<0.01	0.03	2.2
DD008312		0.91	27.2	310	215	8.2	<0.001	0.02	130.0	7.7	1.1	0.7	36.5	0.01	0.04	3.9
DD008313		0.98	25.3	190	155.5	10.5	<0.001	0.02	77.8	5.9	0.8	0.6	17.5	<0.01	0.03	5.5
DD008314		0.90	27.1	350	300	9.3	<0.001	0.03	130.0	6.2	1.0	0.5	24.1	0.01	0.04	4.0
DD008315		1.05	31.7	300	596	10.9	<0.001	0.03	227	6.6	1.2	0.6	19.7	0.01	0.05	4.9
DD008316		1.26	22.1	210	221	12.8	<0.001	0.02	57.7	5.3	0.8	0.7	19.9	<0.01	0.04	4.8
DD008317		1.39	24.6	180	169.5	8.3	<0.001	0.02	66.1	6.4	0.7	0.7	21.0	<0.01	0.03	4.7
DD008318		0.78	26.3	650	192.5	8.1	<0.001	0.04	124.0	4.6	1.0	0.4	42.4	<0.01	0.03	3.7
DD008319		1.42	19.1	110	22.7	9.4	<0.001	0.01	0.58	3.5	0.3	0.5	12.3	<0.01	0.02	3.8
DD008320		1.17	23.6	460	19.8	10.5	<0.001	0.04	0.38	4.3	0.8	0.6	46.0	<0.01	0.03	2.3
DD008321		1.13	19.7	680	17.8	11.2	<0.001	0.11	0.38	3.0	1.2	0.4	72.0	0.01	0.03	1.1
DD008322		1.24	22.8	260	20.0	8.1	<0.001	0.03	0.41	4.6	0.5	0.5	24.9	<0.01	0.03	3.1
DD008323		0.99	21.1	380	16.9	8.4	<0.001	0.04	0.52	4.2	0.7	0.4	36.7	<0.01	0.03	2.2
DD008324		1.07	22.1	460	17.6	11.9	<0.001	0.04	0.41	4.0	0.9	0.5	41.4	<0.01	0.03	2.0
DD008325		1.34	25.2	350	21.1	11.2	<0.001	0.04	0.36	4.7	0.7	0.5	38.7	<0.01	0.03	3.4



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12174362**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD015346		0.010	0.09	1.71	20	0.09	6.79	72	1.5
DD015347		0.009	0.06	1.27	19	0.08	8.51	76	1.3
DD015348		0.009	0.07	2.01	24	0.07	6.96	81	1.3
DD015349		0.022	0.05	0.80	27	0.11	6.93	101	1.4
DD015350		0.010	0.10	0.47	21	0.07	2.61	91	0.8
DD015464		0.007	0.71	0.88	40	0.09	12.30	173	3.1
DD015465		0.005	1.28	0.94	44	0.09	11.35	206	3.4
DD015466		0.005	1.17	0.91	45	0.09	12.00	239	4.3
DD015467		0.005	1.07	0.81	40	0.08	11.05	199	3.2
DD015468		0.005	1.20	0.83	38	0.08	10.30	187	3.4
DD015469		0.005	1.39	0.94	40	0.09	9.98	209	3.8
DD008301		0.016	0.08	1.90	29	0.17	8.91	104	2.2
DD008302		0.015	0.06	1.24	21	0.10	6.94	70	2.1
DD008303		0.015	0.07	1.86	34	0.14	9.92	69	1.5
DD008304		<0.005	1.18	2.58	9	0.15	8.90	468	<0.5
DD008305		0.013	0.46	0.89	28	0.11	19.40	188	2.0
DD008306		0.018	0.95	0.62	36	0.14	3.28	416	2.5
DD008307		0.017	0.89	0.75	27	0.13	10.30	464	1.9
DD008308		0.009	0.11	5.71	12	0.07	6.95	246	1.8
DD008309		0.015	0.08	1.09	23	0.13	6.53	295	1.2
DD008310		0.009	0.08	1.03	15	0.13	8.36	213	1.2
DD008311		0.007	1.08	2.57	20	0.16	13.00	1080	1.7
DD008312		0.008	1.39	1.75	37	0.19	17.10	1000	2.3
DD008313		0.013	0.58	1.11	33	0.14	10.75	580	2.5
DD008314		0.012	1.36	1.45	33	0.18	14.70	962	2.0
DD008315		0.015	1.82	1.84	42	0.18	13.40	1480	2.5
DD008316		0.021	1.27	1.47	52	0.23	7.10	1240	2.2
DD008317		0.010	0.87	1.10	38	0.13	10.10	634	3.1
DD008318		0.017	2.06	1.10	30	0.15	9.98	1900	1.9
DD008319		0.015	0.07	0.51	25	0.07	3.57	81	1.8
DD008320		0.011	0.07	1.02	26	0.10	9.36	78	1.6
DD008321		0.015	0.06	1.40	22	0.09	6.42	102	1.4
DD008322		0.016	0.07	0.71	22	0.09	7.59	79	1.6
DD008323		0.016	0.08	0.86	26	0.13	9.81	68	1.3
DD008324		0.015	0.07	1.08	25	0.12	8.30	84	1.4
DD008325		0.015	0.07	0.77	24	0.11	8.21	70	1.8





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**CERTIFICATE OF ANALYSIS WH12174362**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**

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**This copy reported on**  
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**Account: MTT**

**CERTIFICATE WH12174435**

Project: Crag East  
 P.O. No.: Batch 14  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

Comments: \*\*Corrected copy for Au- ICP21 on all samples \*\*

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12174435**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842194		7.74	0.002	0.03	0.15	65	<0.2	<10	40	0.14	<0.01	23.4	0.04	9.75	1.1	2
L842195		7.68	0.001	0.04	0.15	21	<0.2	<10	50	0.18	0.01	24.9	0.02	9.63	1.1	2
L842196		7.75	0.002	0.03	0.14	41	<0.2	<10	40	0.20	<0.01	24.4	0.02	8.80	1.0	3
L842197		0.19	1.125	0.74	0.47	249	<0.2	<10	90	0.89	8.93	16.35	2.09	24.5	4.4	22
L842198		7.42	0.002	0.04	0.17	51	<0.2	<10	110	0.19	0.02	21.5	0.14	10.85	1.6	3
L842199		1.18	0.001	0.05	0.12	173	<0.2	<10	40	0.16	<0.01	19.95	0.18	7.29	1.3	2
L842200		6.58	0.002	0.02	0.09	44	<0.2	<10	30	0.09	<0.01	18.85	0.08	5.64	0.7	2
L842201		6.09	0.001	0.02	0.09	46	<0.2	<10	30	0.09	<0.01	18.55	0.02	5.27	0.6	2
L842202		1.96	0.002	0.02	0.07	48	<0.2	<10	30	0.07	<0.01	16.15	0.01	4.39	0.4	2
L842203		8.29	0.002	0.03	0.10	59	<0.2	<10	30	0.08	<0.01	17.65	2.71	6.97	0.7	2
L842204		8.05	0.001	0.01	0.09	48	<0.2	<10	20	0.06	<0.01	16.35	0.01	7.85	0.7	3
L842205		7.86	0.001	0.02	0.13	38	<0.2	<10	20	0.07	<0.01	16.25	0.22	9.39	0.9	3
L842206		7.47	0.001	0.03	0.11	29	<0.2	<10	20	0.16	0.01	22.2	0.12	10.30	1.3	3
L842207		7.64	0.001	0.01	0.07	28	<0.2	<10	20	0.10	<0.01	24.6	0.09	7.06	0.7	2
L842208		7.83	0.001	0.01	0.09	22	<0.2	<10	20	0.10	<0.01	24.0	0.07	7.16	0.6	2
L842209		3.32	0.001	<0.01	0.04	<2	<0.2	<10	10	<0.05	<0.01	19.55	0.06	1.13	0.7	1
L842210		7.88	0.004	0.02	0.11	21	<0.2	<10	40	0.13	<0.01	>25.0	0.02	7.05	0.8	2
L842211		0.19	0.239	98.1	1.17	242	0.2	<10	90	0.15	5.81	0.63	24.7	8.47	10.8	29
L842212		1.30	0.003	0.18	0.08	139	<0.2	<10	30	0.08	<0.01	17.80	0.08	5.93	0.3	2
L842213		2.53	0.005	0.03	0.07	252	<0.2	<10	20	0.11	<0.01	24.9	0.41	3.92	0.3	1
L842214		4.53	0.001	0.01	0.03	3	<0.2	<10	10	<0.05	0.06	19.90	0.07	1.40	0.7	<1
L842215		2.50	0.002	0.01	0.02	64	<0.2	<10	<10	0.05	<0.01	>25.0	0.03	1.26	0.2	<1
L842216		1.98	0.009	0.03	0.10	135	<0.2	<10	30	0.12	<0.01	22.7	0.38	10.40	1.0	2
L842217		7.31	0.009	0.02	0.11	194	<0.2	<10	20	0.07	<0.01	17.00	0.18	6.41	0.5	3
L842218		7.79	0.002	0.05	0.10	28	<0.2	<10	20	0.09	<0.01	20.8	0.03	6.37	0.6	2
L842219		7.54	0.001	0.06	0.11	24	<0.2	<10	20	0.11	<0.01	>25.0	0.02	8.35	0.9	2
L842220		7.28	0.003	0.07	0.13	36	<0.2	<10	30	0.18	0.01	>25.0	0.08	12.25	1.3	2
L842221		3.58	0.002	0.05	0.13	40	<0.2	<10	30	0.18	<0.01	>25.0	0.04	12.50	1.3	2
L842222		7.26	0.002	0.04	0.13	36	<0.2	<10	30	0.17	<0.01	>25.0	0.07	10.35	1.2	2
L842223		7.37	0.002	0.04	0.11	27	<0.2	<10	20	0.15	<0.01	>25.0	0.02	8.85	1.0	2
L842224		7.81	0.001	0.01	0.11	27	<0.2	<10	20	0.12	0.01	21.0	0.02	7.43	1.1	2
L842225		7.73	0.001	0.01	0.11	35	<0.2	<10	20	0.13	0.01	21.6	1.00	7.06	1.1	2
L842226		<0.02	0.001	0.01	0.12	34	<0.2	<10	20	0.12	0.01	22.7	1.08	6.93	1.1	2
L842227		7.47	0.002	0.03	0.18	24	<0.2	<10	20	0.16	0.03	21.2	0.19	8.83	1.8	3
L842228		7.37	0.002	0.04	0.21	110	<0.2	<10	20	0.14	0.03	20.7	0.35	10.50	3.1	4
L842229		7.75	0.002	0.01	0.06	88	<0.2	<10	10	0.06	0.01	19.45	0.02	3.70	0.9	1

Comments: \*\*Corrected copy for Au- ICP21 on all samples\*\*

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174435**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842194		1.51	4.7	0.29	0.34	<0.05	0.12	0.49	0.006	0.08	3.9	0.9	0.16	108	0.13	0.02
L842195		1.56	2.9	0.30	0.37	<0.05	0.17	0.53	0.006	0.07	4.1	1.0	0.17	80	0.10	0.03
L842196		1.53	2.2	0.28	0.35	<0.05	0.12	0.48	0.006	0.07	3.7	1.0	0.29	88	0.08	0.03
L842197		2.37	78.5	2.24	2.94	0.07	0.21	1.89	0.622	0.14	15.8	6.0	3.23	1570	72.4	0.01
L842198		1.66	3.0	0.44	0.42	<0.05	0.13	1.96	0.008	0.09	4.1	0.8	0.77	204	0.16	0.02
L842199		1.07	2.8	0.35	0.36	<0.05	0.11	7.30	0.006	0.05	3.0	0.8	0.26	267	0.10	0.02
L842200		0.31	2.0	0.65	0.23	<0.05	0.06	1.73	0.005	0.03	2.0	1.1	7.90	751	0.07	0.02
L842201		0.32	2.1	0.77	0.24	<0.05	0.08	0.48	0.005	0.03	1.9	1.4	8.78	807	0.07	0.02
L842202		0.19	1.8	0.76	0.15	<0.05	0.04	0.63	<0.005	0.01	1.8	3.5	8.99	824	0.06	0.02
L842203		0.46	2.5	0.87	0.72	<0.05	0.12	0.96	0.005	0.03	2.6	2.2	9.92	848	0.08	0.02
L842204		0.61	1.7	0.78	0.24	<0.05	0.13	0.51	<0.005	0.03	2.8	1.6	8.20	713	0.07	0.02
L842205		0.78	2.1	0.78	0.34	<0.05	0.13	0.65	<0.005	0.05	3.4	1.5	7.60	676	0.08	0.02
L842206		1.29	2.8	0.32	0.33	<0.05	0.10	0.74	<0.005	0.05	4.1	0.9	0.92	167	0.09	0.02
L842207		0.62	1.2	0.16	0.20	<0.05	0.09	0.41	<0.005	0.03	2.7	0.6	0.91	161	0.06	0.03
L842208		0.83	1.6	0.17	0.26	<0.05	0.10	0.49	<0.005	0.04	2.9	0.5	0.30	129	0.07	0.02
L842209		0.19	1.3	0.42	0.12	<0.05	<0.02	0.02	<0.005	0.02	0.5	1.1	11.90	206	0.07	0.02
L842210		0.76	2.1	0.27	0.33	<0.05	0.12	0.52	<0.005	0.05	2.9	0.7	1.36	170	0.07	0.03
L842211		0.34	5950	5.01	4.36	0.06	0.23	1.17	0.416	0.09	3.9	9.2	0.73	1540	17.40	0.06
L842212		0.39	9.2	0.51	0.21	<0.05	0.07	1.68	<0.005	0.03	2.5	1.5	8.60	453	0.08	0.03
L842213		0.40	2.2	0.64	0.22	<0.05	0.07	0.84	<0.005	0.02	1.8	1.3	4.47	624	0.06	0.02
L842214		0.18	2.1	0.44	0.12	<0.05	<0.02	0.02	<0.005	0.02	0.6	1.0	12.00	211	0.08	0.02
L842215		0.07	0.7	0.22	0.09	<0.05	0.02	0.81	<0.005	<0.01	0.4	2.5	0.96	430	<0.05	0.02
L842216		0.43	2.7	0.40	0.36	<0.05	0.11	1.62	0.007	0.04	4.6	1.7	2.53	322	0.06	0.02
L842217		0.52	2.1	0.88	0.31	<0.05	0.12	0.62	<0.005	0.04	2.7	1.5	8.56	929	0.08	0.02
L842218		0.88	1.9	0.49	0.23	<0.05	0.10	0.39	<0.005	0.04	2.6	0.8	4.36	397	0.06	0.03
L842219		1.08	2.2	0.24	0.28	<0.05	0.12	0.36	<0.005	0.05	3.6	0.6	0.49	165	0.09	0.02
L842220		1.43	3.8	0.35	0.40	<0.05	0.15	0.58	0.005	0.06	5.0	0.9	0.21	130	0.13	0.02
L842221		1.47	3.9	0.38	0.36	<0.05	0.16	0.63	0.006	0.06	5.2	0.9	0.19	129	0.12	0.02
L842222		1.46	3.7	0.32	0.39	<0.05	0.14	0.68	0.005	0.06	4.3	0.8	0.23	133	0.11	0.02
L842223		1.18	3.0	0.34	0.29	<0.05	0.12	0.70	<0.005	0.05	4.0	0.8	0.97	201	0.12	0.02
L842224		0.99	2.2	0.51	0.33	<0.05	0.11	0.66	<0.005	0.05	3.3	1.2	4.95	477	0.08	0.02
L842225		1.31	2.1	0.52	0.38	<0.05	0.11	1.31	<0.005	0.04	2.8	1.3	4.59	383	0.07	0.02
L842226		1.26	2.1	0.50	0.42	0.05	0.11	1.27	<0.005	0.05	2.8	1.4	4.47	373	0.07	0.02
L842227		2.28	4.2	0.50	0.55	<0.05	0.19	2.14	0.006	0.08	3.6	1.0	3.36	191	0.15	0.02
L842228		2.01	5.7	0.62	0.74	0.06	0.22	21.2	0.007	0.10	4.7	1.5	4.98	416	0.16	0.02
L842229		0.15	1.9	0.96	0.33	0.06	0.07	1.00	<0.005	0.01	2.1	1.2	10.95	1080	0.09	0.02

Comments: \*\*Corrected copy for Au- ICP21 on all samples \*\*

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174435**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842194		0.06	4.0	190	14.7	2.4	0.001	0.32	0.40	1.0	0.6	0.2	777	<0.01	<0.01	1.7
L842195		0.06	3.4	300	12.2	2.4	<0.001	0.34	0.53	1.2	0.3	0.2	1070	<0.01	0.02	1.8
L842196		0.07	2.8	390	11.3	2.3	<0.001	0.31	0.55	1.0	0.4	0.2	844	<0.01	0.02	1.7
L842197		0.09	78.3	1120	18.5	12.1	0.053	0.92	7.02	4.2	4.0	2.9	213	<0.01	0.32	3.7
L842198		0.06	3.9	200	17.9	2.6	0.001	0.44	2.18	1.4	0.5	0.2	634	<0.01	0.01	1.9
L842199		0.06	2.5	60	17.8	1.8	0.001	0.17	16.55	1.2	0.5	0.2	400	<0.01	0.01	1.0
L842200		0.06	1.6	60	8.0	0.9	0.001	0.14	5.78	0.7	0.4	0.2	168.5	<0.01	<0.01	0.7
L842201		0.06	1.6	120	6.2	0.9	<0.001	0.13	1.58	0.7	0.4	0.2	117.5	<0.01	0.02	0.8
L842202		0.06	0.9	60	5.5	0.5	0.001	0.07	1.13	0.4	0.4	<0.2	95.4	<0.01	0.01	0.6
L842203		0.06	2.2	270	8.2	1.2	0.001	0.25	1.26	0.9	0.4	0.2	92.5	<0.01	0.01	1.1
L842204		0.06	1.8	210	6.5	1.0	0.001	0.14	1.82	0.8	0.5	0.2	87.5	<0.01	<0.01	1.1
L842205		0.06	2.6	170	48.0	1.5	0.001	0.21	1.46	0.9	0.4	0.2	86.5	<0.01	0.01	1.2
L842206		0.06	3.6	130	30.8	1.6	<0.001	0.31	0.60	1.2	0.6	0.2	599	<0.01	0.01	1.6
L842207		0.06	1.4	140	9.4	0.9	0.001	0.11	0.46	0.6	0.5	<0.2	570	<0.01	0.02	1.1
L842208		0.06	1.7	170	22.0	1.1	<0.001	0.15	0.54	0.6	0.4	0.2	651	<0.01	<0.01	1.1
L842209		0.07	1.9	170	1.2	1.0	0.001	0.01	0.18	0.3	0.3	<0.2	48.6	<0.01	0.01	<0.2
L842210		0.06	2.3	240	11.5	1.4	<0.001	0.24	1.04	1.0	0.6	0.2	724	<0.01	0.01	1.2
L842211		0.22	25.4	420	9590	3.2	0.009	2.28	399	4.2	1.6	1.5	28.6	<0.01	1.19	1.0
L842212		0.06	1.1	160	17.0	0.8	<0.001	0.05	12.15	0.5	0.3	0.2	89.9	<0.01	0.01	0.8
L842213		0.06	1.2	110	10.8	0.7	<0.001	0.01	53.8	0.7	0.5	0.2	77.3	<0.01	0.02	0.5
L842214		0.08	2.0	320	2.2	1.0	0.001	0.01	0.30	0.3	0.4	<0.2	51.6	<0.01	0.02	<0.2
L842215		0.05	0.4	20	1.2	0.1	<0.001	<0.01	4.42	0.8	0.5	<0.2	46.8	<0.01	<0.01	0.2
L842216		0.06	2.5	180	7.1	1.4	<0.001	0.22	1.97	1.0	0.5	<0.2	476	<0.01	0.01	1.4
L842217		0.06	1.5	130	7.5	1.3	<0.001	0.16	1.74	0.8	0.4	0.2	108.0	<0.01	0.01	1.1
L842218		0.06	1.6	240	10.4	1.3	<0.001	0.15	0.53	0.6	0.3	0.2	503	<0.01	0.02	1.3
L842219		0.06	2.5	300	12.6	1.6	0.001	0.25	0.51	0.8	0.6	0.2	727	<0.01	0.01	1.4
L842220		0.06	4.3	370	15.5	2.4	0.001	0.45	0.99	1.3	0.5	0.2	930	<0.01	0.01	2.1
L842221		0.06	4.3	390	16.5	2.3	<0.001	0.48	0.95	1.4	0.5	0.2	924	<0.01	0.01	2.2
L842222		0.06	3.6	430	10.6	2.1	<0.001	0.39	0.45	1.2	0.5	0.2	912	<0.01	0.01	1.8
L842223		0.06	3.2	370	10.4	1.7	<0.001	0.33	0.76	1.1	0.2	0.2	863	<0.01	0.01	1.5
L842224		0.16	<0.2	130	9.7	1.7	0.001	0.16	1.44	1.1	0.3	<0.2	394	<0.01	0.03	1.1
L842225		0.21	<0.2	220	11.9	1.6	0.001	0.15	1.51	1.1	0.4	<0.2	369	<0.01	0.03	1.2
L842226		0.21	<0.2	210	11.1	1.8	0.001	0.15	1.50	1.1	0.4	0.2	365	<0.01	0.04	1.1
L842227		0.22	2.5	200	19.3	3.2	0.001	0.41	1.97	1.8	0.5	0.2	526	<0.01	0.04	1.9
L842228		0.24	3.9	640	15.5	3.8	0.001	0.49	4.20	2.1	0.6	0.2	404	<0.01	0.05	2.3
L842229		0.26	0.4	230	2.9	0.6	0.001	0.07	1.43	0.6	0.3	<0.2	72.1	<0.01	0.04	0.4

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
L842194		<0.005	0.25	0.94	2	0.06	3.29	20	4.3
L842195		<0.005	0.25	1.22	3	0.07	3.63	13	6.6
L842196		<0.005	0.27	0.86	2	<0.05	2.84	10	5.3
L842197		<0.005	0.89	14.35	139	15.60	21.9	414	8.3
L842198		<0.005	0.55	0.82	3	0.09	4.79	40	5.1
L842199		<0.005	0.42	0.60	2	0.14	5.94	32	4.3
L842200		<0.005	0.22	0.62	3	0.09	4.07	32	2.7
L842201		<0.005	0.22	0.84	2	<0.05	3.20	8	3.4
L842202		<0.005	0.11	0.64	1	<0.05	2.39	9	2.2
L842203		<0.005	0.32	0.96	3	0.05	3.50	799	4.5
L842204		<0.005	0.24	1.19	2	0.05	3.90	4	4.0
L842205		<0.005	0.28	1.12	2	<0.05	4.01	88	4.6
L842206		<0.005	0.40	1.00	2	<0.05	4.76	78	3.8
L842207		<0.005	0.24	1.19	1	<0.05	3.87	48	3.0
L842208		<0.005	0.27	1.07	2	<0.05	3.28	42	3.1
L842209		<0.005	<0.02	0.56	2	<0.05	0.84	16	<0.5
L842210		<0.005	0.38	0.98	3	<0.05	3.20	21	4.2
L842211		0.076	0.20	0.82	38	0.24	6.33	4860	5.7
L842212		<0.005	0.33	0.56	2	0.20	2.25	32	2.5
L842213		<0.005	0.77	1.83	2	0.12	9.50	84	3.9
L842214		<0.005	<0.02	0.43	2	<0.05	1.03	18	<0.5
L842215		<0.005	0.10	1.35	2	<0.05	11.60	9	1.9
L842216		<0.005	0.46	0.70	2	0.08	4.36	184	3.8
L842217		<0.005	0.25	1.02	2	0.05	2.93	47	3.7
L842218		<0.005	0.18	1.13	2	0.18	2.50	15	3.8
L842219		<0.005	0.22	1.27	2	0.26	3.67	11	4.4
L842220		<0.005	0.29	1.75	2	0.26	4.48	50	5.6
L842221		<0.005	0.34	1.88	2	0.10	4.67	28	5.8
L842222		<0.005	0.36	1.40	2	<0.05	4.27	36	4.6
L842223		<0.005	0.33	1.20	2	<0.05	4.25	11	4.2
L842224		<0.005	0.22	1.23	1	0.05	3.28	7	4.6
L842225		<0.005	0.22	1.08	1	0.05	3.24	357	4.9
L842226		<0.005	0.23	1.06	1	0.05	3.17	361	5.0
L842227		<0.005	0.51	1.39	2	0.08	4.32	142	7.9
L842228		<0.005	0.55	1.93	4	0.07	7.67	175	9.0
L842229		<0.005	0.21	1.58	1	<0.05	2.62	11	2.5

Comments: \*\*Corrected copy for Au- ICP21 on all samples \*\*

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



ALS Canada Ltd.  
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: STRATEGIC METALS LTD.  
C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
LIMITED  
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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 13- AUG- 2012  
Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174435**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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**Finalized Date: 16- AUG- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12174436**

Project: Crag East  
 P.O. No.: Batch 13  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 25- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174436**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
L842158		7.10	<0.001	0.01	0.08	480	<0.2	<10	30	0.14	<0.01	21.3	0.06	2.57	0.7	1
L842159		8.29	<0.001	0.01	0.05	93	<0.2	<10	10	0.18	<0.01	22.5	0.01	1.68	0.4	1
L842160		7.97	<0.001	0.01	0.05	361	<0.2	<10	20	0.14	0.01	21.5	0.01	2.26	1.0	1
L842161		8.17	0.001	<0.01	0.04	879	<0.2	<10	10	0.14	<0.01	20.0	0.02	1.38	0.6	1
L842162		8.08	<0.001	0.01	0.03	25	<0.2	<10	20	0.18	<0.01	20.6	0.12	1.74	0.6	1
L842163		8.42	<0.001	<0.01	0.06	98	<0.2	<10	30	0.13	0.01	18.95	0.03	2.86	0.9	1
L842164		4.76	<0.001	0.01	0.15	230	<0.2	<10	50	0.15	0.06	19.15	0.02	7.46	2.8	3
L842165		<0.02	0.001	0.01	0.18	235	<0.2	<10	60	0.19	0.06	19.75	0.02	7.87	2.8	3
L842166		3.40	<0.001	0.01	0.09	75	<0.2	<10	30	0.10	0.02	20.6	0.01	5.56	1.7	2
L842167		3.88	<0.001	<0.01	0.04	<2	<0.2	<10	10	<0.05	0.05	19.35	0.06	1.26	1.1	1
L842168		3.03	0.001	0.18	0.30	178.0	<0.2	<10	70	0.41	0.37	0.18	0.02	6.49	6.0	6
L842169		1.81	0.001	0.22	0.57	397	<0.2	<10	80	1.09	0.42	0.23	0.14	16.15	12.3	10
L842170		3.11	0.001	0.17	0.42	471	<0.2	<10	60	0.45	0.41	0.15	0.03	7.74	7.4	8
L842171		3.85	<0.001	0.21	0.54	959	<0.2	<10	110	1.20	0.40	2.62	0.18	17.80	14.1	8
L842172		0.19	0.262	>100	1.35	257	0.2	<10	100	0.24	5.53	0.68	26.8	10.00	10.4	31
L842173		4.64	0.001	0.17	0.28	582	<0.2	<10	100	0.62	0.25	13.95	0.15	14.15	7.4	5
L842174		7.77	0.001	0.15	0.41	85.7	<0.2	<10	60	0.70	0.32	3.85	0.08	6.80	9.8	6
L842175		7.65	<0.001	0.15	0.35	113.0	<0.2	<10	50	0.60	0.26	7.72	0.11	8.82	7.8	6
L842176		8.07	0.001	0.16	0.40	23	<0.2	<10	140	0.41	0.17	20.9	0.14	16.10	5.5	5
L842177		7.76	<0.001	0.04	0.13	26	<0.2	<10	60	0.15	0.04	>25.0	0.07	6.34	1.7	3
L842178		3.57	0.001	0.04	0.15	27	<0.2	<10	80	0.13	0.04	>25.0	0.07	5.95	1.7	3
L842179		7.71	<0.001	0.04	0.33	36	<0.2	<10	140	0.51	0.15	17.30	0.04	9.31	5.9	3
L842180		8.26	0.001	0.06	0.41	47	<0.2	10	110	0.76	0.18	18.70	0.07	20.0	6.2	5
L842181		7.83	0.002	0.05	0.29	50	<0.2	<10	70	0.69	0.18	18.00	0.05	15.20	6.1	4
L842182		0.21	1.060	0.68	0.53	246	<0.2	<10	90	0.87	8.12	17.20	2.11	21.2	5.0	23
L842183		8.09	0.001	0.04	0.38	23	<0.2	10	80	0.63	0.17	17.35	0.05	14.65	5.3	4
L842184		7.65	0.001	0.04	0.34	29	<0.2	10	90	0.59	0.16	17.55	0.04	13.45	5.1	4
L842185		7.99	0.001	0.06	0.41	36	<0.2	10	260	0.86	0.21	13.50	0.05	12.95	7.0	4
L842186		7.85	<0.001	0.05	0.45	57.8	<0.2	10	70	0.79	0.26	3.38	0.02	7.67	8.9	5
L842187		7.76	0.001	0.06	0.38	40	<0.2	<10	80	0.47	0.09	14.65	0.03	14.65	4.4	4
L842188		2.55	<0.001	<0.01	0.06	<2	<0.2	<10	20	0.05	0.02	19.45	0.06	1.22	1.1	1
L842189		7.87	<0.001	0.07	0.33	78	<0.2	<10	100	0.52	0.09	18.20	0.02	17.50	3.9	4
L842190		7.26	<0.001	0.05	0.38	84	<0.2	<10	80	0.47	0.09	15.45	0.02	14.30	4.0	4
L842191		7.86	<0.001	0.03	0.19	32	<0.2	<10	30	0.27	0.03	21.8	0.35	11.25	2.1	3
L842192		7.47	<0.001	0.01	0.12	17	<0.2	<10	20	0.11	0.01	17.30	0.19	3.62	0.7	2
L842193		7.64	<0.001	0.02	0.13	35	<0.2	<10	30	0.12	0.01	19.60	0.04	6.15	0.9	3



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174436**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842158		0.10	1.5	0.59	0.19	<0.05	0.04	18.60	<0.005	0.02	1.6	1.2	11.00	921	0.10	0.02
L842159		<0.05	0.8	0.58	0.11	<0.05	<0.02	6.53	<0.005	0.01	1.0	0.8	12.40	831	0.09	0.02
L842160		0.08	2.1	0.77	0.14	<0.05	0.04	12.55	0.005	0.01	1.3	0.9	12.20	801	0.17	0.02
L842161		0.05	1.2	0.49	0.16	<0.05	0.02	2.05	<0.005	0.01	0.8	1.2	11.70	670	0.08	0.01
L842162		<0.05	1.6	0.55	0.15	<0.05	0.02	2.42	<0.005	0.01	1.0	1.3	12.15	600	0.08	0.01
L842163		0.07	1.3	0.58	0.24	<0.05	0.03	2.24	<0.005	0.02	1.6	1.3	10.80	729	0.09	0.01
L842164		0.30	6.6	0.83	0.53	<0.05	0.15	8.22	0.006	0.05	4.7	2.2	10.40	662	0.07	0.01
L842165		0.32	6.3	0.85	0.59	<0.05	0.16	8.24	0.006	0.06	4.9	2.5	10.70	684	0.07	0.01
L842166		0.12	2.1	0.59	0.34	<0.05	0.06	3.81	<0.005	0.03	3.5	1.5	10.85	732	0.09	0.01
L842167		0.24	1.7	0.47	0.14	<0.05	<0.02	0.01	<0.005	0.02	0.6	1.0	12.20	210	0.18	0.01
L842168		3.15	18.0	2.14	0.84	<0.05	0.10	1.70	0.019	0.18	2.9	5.3	0.06	168	0.41	<0.01
L842169		5.10	30.6	3.78	1.46	0.06	0.13	1.92	0.038	0.26	6.6	10.4	0.05	256	0.60	0.01
L842170		3.79	18.7	2.33	1.14	<0.05	0.11	2.59	0.024	0.20	3.5	7.0	0.03	103	0.44	<0.01
L842171		3.56	39.2	4.15	1.33	0.07	0.17	0.76	0.046	0.25	6.5	8.9	0.06	429	0.72	<0.01
L842172		0.36	6470	5.56	4.07	0.09	0.25	1.33	0.454	0.10	4.7	11.4	0.84	1690	19.25	0.06
L842173		4.73	21.3	2.64	0.69	0.06	0.14	0.24	0.029	0.14	5.1	4.7	0.14	337	0.58	<0.01
L842174		5.21	27.6	2.94	0.95	0.05	0.19	0.32	0.027	0.22	2.5	9.7	0.48	319	0.41	<0.01
L842175		4.20	22.7	2.80	0.83	0.06	0.17	0.26	0.027	0.19	3.1	7.9	0.38	315	0.61	<0.01
L842176		3.85	15.5	1.96	0.88	0.06	0.15	0.30	0.023	0.22	6.4	7.4	0.26	201	0.73	0.02
L842177		1.00	4.7	0.92	0.32	<0.05	0.07	0.12	0.006	0.07	2.6	2.3	1.62	428	0.35	0.01
L842178		0.98	4.6	0.89	0.38	<0.05	0.07	0.12	0.006	0.08	2.4	2.7	1.80	403	0.36	0.01
L842179		5.32	10.1	1.42	0.79	<0.05	0.11	0.22	0.015	0.20	3.3	5.7	0.72	272	0.27	0.01
L842180		7.34	13.3	1.75	0.97	0.06	0.15	0.31	0.021	0.22	6.3	9.5	0.36	403	0.35	0.01
L842181		6.12	10.0	1.71	0.72	0.05	0.13	0.37	0.021	0.17	4.6	5.1	0.30	325	0.33	0.01
L842182		2.73	80.8	2.39	3.12	0.07	0.19	2.42	0.693	0.16	13.8	6.4	3.37	1640	71.7	0.02
L842183		5.90	8.4	1.67	0.89	0.05	0.13	0.42	0.022	0.23	4.1	5.4	0.34	358	0.35	0.01
L842184		5.64	8.0	1.58	0.79	0.05	0.11	0.43	0.019	0.20	3.6	4.7	0.31	335	0.27	<0.01
L842185		8.26	10.8	1.73	0.96	0.05	0.14	0.69	0.023	0.24	3.7	5.9	0.27	324	0.30	<0.01
L842186		10.10	13.9	1.90	1.04	<0.05	0.16	0.80	0.021	0.29	3.1	5.6	0.18	226	0.24	<0.01
L842187		6.81	7.3	1.16	0.85	<0.05	0.14	0.72	0.016	0.23	5.4	3.9	0.21	216	0.23	0.01
L842188		0.91	1.3	0.44	0.21	<0.05	<0.02	0.01	<0.005	0.04	0.6	1.4	12.40	203	0.08	<0.01
L842189		5.50	7.9	1.06	0.78	<0.05	0.15	0.73	0.014	0.20	7.1	4.1	0.19	199	0.19	<0.01
L842190		5.38	7.5	1.06	0.87	<0.05	0.15	0.67	0.014	0.22	5.1	3.6	0.44	282	0.27	<0.01
L842191		2.85	3.7	0.69	0.61	<0.05	0.14	0.71	0.007	0.09	4.6	2.3	2.96	386	0.11	0.01
L842192		0.56	1.2	0.77	0.33	<0.05	0.08	0.24	<0.005	0.04	1.3	2.0	9.51	782	0.06	0.01
L842193		0.87	2.0	0.68	0.32	<0.05	0.10	0.44	<0.005	0.05	2.4	2.2	5.72	570	0.08	0.01

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 Finalized Date: 16- AUG- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174436**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842158		<0.05	1.2	190	4.7	0.7	<0.001	0.09	3.67	0.6	0.4	0.2	147.0	<0.01	0.01	0.3
L842159		<0.05	0.5	300	3.4	0.2	<0.001	0.16	0.97	0.3	0.3	0.2	128.5	<0.01	<0.01	<0.2
L842160		<0.05	1.7	320	7.9	0.5	<0.001	0.36	1.40	0.3	<0.2	0.2	142.5	<0.01	0.01	0.3
L842161		0.07	0.3	270	3.0	0.4	<0.001	0.10	3.59	0.5	0.2	<0.2	130.0	<0.01	0.01	<0.2
L842162		0.08	0.3	250	4.0	0.3	<0.001	0.06	0.71	0.3	0.3	<0.2	164.5	<0.01	0.01	<0.2
L842163		0.07	0.6	260	3.0	0.7	<0.001	0.10	0.95	0.6	0.2	<0.2	136.0	<0.01	0.02	0.3
L842164		0.08	4.6	80	9.6	1.9	<0.001	0.55	2.60	2.4	0.2	0.2	160.0	<0.01	0.03	1.0
L842165		0.09	4.9	90	9.8	2.2	<0.001	0.55	2.70	2.4	0.3	0.2	168.5	<0.01	0.03	1.0
L842166		0.08	2.2	110	7.3	1.2	<0.001	0.19	2.27	1.6	0.3	<0.2	136.0	<0.01	0.02	0.4
L842167		0.09	1.9	140	1.2	1.0	<0.001	0.02	<0.05	0.4	0.2	<0.2	46.6	<0.01	0.01	<0.2
L842168		<0.05	17.0	40	29.6	8.3	<0.001	0.03	4.24	2.4	0.4	2.4	32.8	<0.01	0.02	2.8
L842169		0.05	33.2	340	35.8	12.8	<0.001	0.04	4.77	4.6	0.7	0.4	55.0	<0.01	0.02	5.3
L842170		<0.05	19.3	40	30.0	9.6	<0.001	0.02	9.93	2.6	0.2	1.9	49.4	<0.01	0.02	3.1
L842171		0.05	36.6	500	34.6	11.4	0.001	0.11	37.8	5.6	0.7	3.0	244	<0.01	0.02	7.2
L842172		0.22	24.0	420	>10000	3.3	0.010	2.45	440	3.9	1.8	1.7	26.7	<0.01	1.31	1.0
L842173		0.05	21.0	630	23.8	7.5	0.001	0.89	29.3	3.9	2.0	1.3	1170	<0.01	0.03	4.7
L842174		<0.05	24.2	110	28.1	10.5	0.001	2.28	4.26	3.3	0.8	1.7	343	<0.01	0.03	4.1
L842175		<0.05	21.1	300	22.5	8.8	0.001	2.43	1.58	3.3	0.8	0.8	643	<0.01	0.02	3.7
L842176		0.09	18.9	530	16.0	10.4	0.001	2.32	0.33	3.2	1.4	0.4	2070	<0.01	0.03	4.0
L842177		0.14	4.6	460	4.6	3.5	0.001	0.79	0.22	1.3	0.7	<0.2	1285	<0.01	0.03	1.1
L842178		0.12	4.6	420	4.5	3.8	<0.001	0.76	0.24	1.2	0.8	<0.2	1150	<0.01	0.02	1.1
L842179		0.07	13.3	240	11.9	10.1	0.001	1.10	0.39	3.0	0.5	0.2	785	<0.01	0.03	2.6
L842180		0.07	16.1	610	15.7	10.5	0.001	1.25	0.24	3.8	0.8	1.2	795	<0.01	0.02	4.6
L842181		0.07	14.2	310	14.9	8.2	<0.001	1.30	0.23	3.6	0.7	0.7	654	<0.01	0.02	4.7
L842182		0.10	75.8	1100	18.7	13.9	0.058	0.94	6.80	4.3	3.4	2.9	221	0.01	0.33	4.0
L842183		0.07	12.1	130	15.2	9.7	0.001	1.15	0.10	3.4	0.6	0.5	694	<0.01	0.02	4.3
L842184		0.07	11.4	150	14.4	8.8	<0.001	1.12	0.07	3.1	0.6	0.6	822	<0.01	0.02	4.1
L842185		0.06	16.2	190	19.1	10.8	0.001	1.38	0.07	3.7	0.6	0.7	557	<0.01	0.02	4.8
L842186		<0.05	20.8	60	25.1	13.0	0.001	1.77	0.16	3.2	0.3	0.7	144.5	<0.01	0.01	3.7
L842187		0.06	10.9	200	14.0	9.2	0.001	1.01	0.57	2.7	0.5	0.4	653	<0.01	0.02	3.7
L842188		0.17	1.5	150	1.2	3.6	<0.001	0.01	<0.05	0.4	0.2	<0.2	49.8	<0.01	0.01	<0.2
L842189		0.06	10.2	380	13.5	8.3	0.001	1.00	1.31	3.0	0.6	0.3	567	<0.01	0.02	3.7
L842190		0.06	9.9	310	20.9	7.9	0.001	1.00	0.40	3.0	0.3	0.4	385	<0.01	0.03	3.6
L842191		0.09	5.0	280	20.3	3.8	<0.001	0.54	0.22	1.5	0.5	0.2	444	<0.01	0.02	2.2
L842192		0.05	0.8	120	5.6	1.2	<0.001	0.12	0.58	0.5	0.3	<0.2	91.0	<0.01	0.02	0.8
L842193		0.06	1.6	150	13.6	1.6	<0.001	0.17	0.43	0.8	0.3	0.2	256	<0.01	0.02	1.1



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174436**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001
L842158		<0.005	3.48	1.36	2	0.05	3.97	44	1.4		
L842159		<0.005	1.65	1.62	1	<0.05	3.59	6	0.6		
L842160		<0.005	6.59	1.83	1	0.05	2.19	18	1.2		
L842161		<0.005	6.03	1.83	<1	<0.05	2.72	20	0.7		
L842162		<0.005	1.41	1.91	<1	<0.05	3.00	79	0.8		
L842163		<0.005	2.06	1.75	1	<0.05	4.16	22	1.2		
L842164		<0.005	5.89	1.46	3	0.07	7.41	11	5.0		
L842165		<0.005	5.89	1.53	4	0.07	7.78	13	5.3		
L842166		<0.005	2.71	1.43	2	<0.05	7.06	5	2.0		
L842167		<0.005	0.02	0.57	1	<0.05	0.91	13	<0.5		
L842168		<0.005	0.42	0.29	7	0.10	2.63	54	4.1		
L842169		<0.005	0.76	0.61	12	0.11	9.61	113	5.4		
L842170		<0.005	0.44	0.35	10	0.14	3.15	79	4.3		
L842171		<0.005	0.48	0.68	10	0.08	14.80	127	6.2		
L842172		0.096	0.23	0.70	44	0.25	6.72	5210	7.2	102	1.020
L842173		<0.005	0.23	0.56	6	0.06	12.05	89	6.0		
L842174		<0.005	0.32	0.47	6	<0.05	5.56	76	6.5		
L842175		<0.005	0.23	0.54	7	<0.05	8.57	80	6.3		
L842176		<0.005	0.20	0.84	6	0.06	9.22	63	6.3		
L842177		<0.005	0.07	1.03	3	<0.05	3.63	25	4.0		
L842178		<0.005	0.07	0.98	3	<0.05	3.40	29	3.7		
L842179		<0.005	0.10	0.82	3	<0.05	6.31	44	4.4		
L842180		<0.005	0.16	0.78	5	<0.05	9.31	58	7.2		
L842181		<0.005	0.14	0.73	4	<0.05	8.50	57	6.2		
L842182		<0.005	0.97	13.70	152	14.50	19.80	428	8.8		
L842183		<0.005	0.17	0.58	4	<0.05	7.68	48	5.0		
L842184		<0.005	0.20	0.55	3	<0.05	7.19	45	3.9		
L842185		<0.005	0.29	0.53	4	<0.05	7.32	61	5.3		
L842186		<0.005	0.23	0.43	4	<0.05	5.09	57	5.3		
L842187		<0.005	0.20	0.67	3	<0.05	6.81	40	5.4		
L842188		<0.005	0.02	0.49	1	0.05	0.90	17	<0.5		
L842189		<0.005	0.21	1.06	4	<0.05	7.39	27	8.3		
L842190		<0.005	0.21	0.77	4	<0.05	7.21	29	6.3		
L842191		<0.005	0.23	1.18	2	<0.05	4.62	235	7.0		
L842192		<0.005	0.08	0.91	1	<0.05	2.12	58	2.8		
L842193		<0.005	0.16	0.90	1	0.30	2.53	20	4.0		



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Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12174436**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 17- AUG- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12175998**

Project: Crag East  
 P.O. No.: Batch 15  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12175998**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842230		7.84	0.003	0.01	0.08	303	<0.2	<10	10	0.06	0.01	17.85	0.06	4.01	0.8	12
L842231		8.18	0.001	<0.01	0.05	213	<0.2	<10	10	0.05	<0.01	17.40	0.01	1.69	0.6	15
L842232		7.70	0.001	0.02	0.09	214	<0.2	<10	20	0.10	0.01	18.45	0.02	4.04	0.8	11
L842233		1.75	0.004	0.01	0.06	856	<0.2	<10	10	0.12	0.01	17.10	0.06	2.51	0.7	16
L842234		6.41	0.003	0.02	0.08	1340	<0.2	<10	10	0.10	0.01	15.75	0.27	1.91	0.8	20
L842235		3.76	0.001	0.01	0.08	1810	<0.2	<10	10	0.05	<0.01	14.35	0.04	1.42	0.6	27
L842236		5.41	0.004	0.01	0.07	764	<0.2	<10	10	0.06	0.01	16.75	0.09	3.42	1.5	12
L842237		2.70	0.002	0.01	0.04	2250	<0.2	<10	10	0.06	0.01	16.55	0.08	2.97	1.2	14
L842238		4.95	0.001	<0.01	0.02	6	<0.2	<10	10	<0.05	0.03	17.90	0.06	1.27	1.0	3
L842239		3.89	0.004	0.04	0.19	8530	<0.2	<10	30	0.09	0.08	15.10	0.21	5.48	5.3	24
L842240		3.61	0.002	0.01	0.06	442	<0.2	<10	10	0.08	0.01	16.90	0.39	2.92	1.4	20
L842241		0.20	3.95	1.41	0.32	680	<0.2	<10	70	0.47	4.32	2.01	1.80	4.57	7.3	20
L842242		1.33	0.008	0.14	0.21	4050	<0.2	<10	40	0.09	0.12	2.87	4.65	2.06	11.9	66
L842243		3.47	0.003	0.08	0.22	>10000	<0.2	<10	20	0.05	0.09	2.05	0.39	1.65	5.0	95
L842244		4.44	0.002	0.01	0.10	484	<0.2	<10	30	0.16	0.03	>25.0	0.04	9.31	1.7	5
L842245		3.94	0.004	0.01	0.11	322	<0.2	<10	20	0.11	0.03	19.40	0.08	5.92	1.4	14
L842246		8.00	0.002	0.03	0.22	117	<0.2	<10	40	0.16	0.05	16.75	0.04	5.00	2.6	21
L842247		7.80	0.002	0.01	0.05	51	<0.2	<10	10	0.08	0.01	19.10	0.01	3.98	0.9	9
L842248		<0.02	0.002	0.01	0.05	43	<0.2	<10	10	0.07	0.01	19.15	0.01	3.93	0.9	6
L842249		8.18	0.002	<0.01	0.04	55	<0.2	<10	10	0.06	<0.01	18.20	0.42	5.44	0.9	12
L842250		3.58	0.001	0.01	0.03	50	<0.2	<10	10	0.06	<0.01	17.45	0.13	5.19	0.8	10
L842251		8.09	0.001	<0.01	0.02	21	<0.2	<10	<10	0.06	<0.01	19.50	0.02	3.34	0.7	7
L842252		7.85	0.001	<0.01	0.03	27	<0.2	<10	<10	<0.05	<0.01	19.90	<0.01	3.93	0.5	12
L842253		7.70	0.001	<0.01	0.02	62	<0.2	<10	<10	<0.05	<0.01	20.0	<0.01	3.52	0.5	8
L842254		8.13	<0.001	<0.01	0.02	10	<0.2	<10	<10	<0.05	<0.01	18.95	<0.01	5.80	0.5	14
L842255		3.89	0.001	<0.01	0.03	<2	<0.2	<10	20	<0.05	0.05	19.10	0.06	1.17	1.2	2
L842256		7.92	0.002	<0.01	0.02	10	<0.2	<10	<10	<0.05	<0.01	18.35	<0.01	3.32	0.5	13
L842257		7.69	0.001	<0.01	0.02	61	<0.2	<10	<10	<0.05	<0.01	19.65	<0.01	2.15	0.5	4
L842258		7.94	0.002	<0.01	0.04	66	<0.2	<10	10	0.06	<0.01	19.60	0.04	4.12	0.7	4
L842259		7.76	0.004	0.01	0.05	55	<0.2	<10	10	<0.05	0.01	18.60	<0.01	4.10	0.8	4
L842260		7.91	0.003	0.04	0.12	32	<0.2	<10	20	0.08	0.02	19.80	0.02	6.07	1.5	5
L842261		7.95	0.002	0.02	0.12	17	<0.2	<10	20	0.09	0.02	20.1	<0.01	6.04	1.5	5
L842262		7.98	0.002	0.01	0.14	11	<0.2	<10	20	0.11	0.03	18.15	<0.01	6.97	1.9	7
L842263		8.29	<0.001	0.01	0.12	15	<0.2	<10	20	0.07	0.03	19.25	0.01	5.35	1.6	4
L842264		0.19	1.180	0.61	0.55	235	<0.2	<10	90	0.84	7.95	15.55	1.95	20.8	4.3	23
L842265		8.02	0.003	0.01	0.07	59	<0.2	<10	20	0.06	0.01	19.20	<0.01	5.50	1.1	6



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**CERTIFICATE OF ANALYSIS WH12175998**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842230		0.16	1.8	0.89	0.24	<0.05	0.06	2.39	<0.005	0.02	2.1	1.1	9.94	1040	0.12	0.02
L842231		0.09	1.0	0.50	0.15	<0.05	0.02	1.68	<0.005	0.01	0.8	0.8	10.50	530	0.12	0.02
L842232		0.27	1.8	0.64	0.23	<0.05	0.06	1.57	<0.005	0.03	1.8	1.0	9.19	598	0.15	0.02
L842233		0.10	1.4	0.99	0.20	<0.05	0.04	3.00	<0.005	0.02	1.3	0.9	8.97	961	0.14	0.01
L842234		0.32	4.4	0.99	0.26	<0.05	0.08	11.45	<0.005	0.03	1.0	0.7	8.98	955	0.13	0.02
L842235		0.25	2.0	0.80	0.27	<0.05	0.06	4.54	<0.005	0.03	0.8	0.8	8.75	1010	0.17	0.02
L842236		0.16	4.8	0.62	0.22	<0.05	0.05	15.30	<0.005	0.02	2.1	0.9	10.70	608	0.11	0.01
L842237		0.07	3.0	1.15	0.22	<0.05	0.02	27.5	0.007	0.01	2.2	0.5	10.35	1260	0.10	0.02
L842238		0.26	1.4	0.44	0.13	<0.05	<0.02	0.04	<0.005	0.01	0.6	0.8	11.45	208	0.06	0.01
L842239		0.47	12.1	1.54	0.52	0.05	0.21	128.5	0.016	0.05	3.5	1.5	8.74	668	0.39	0.02
L842240		0.09	4.6	0.46	0.18	<0.05	0.05	14.95	<0.005	0.01	1.9	0.8	10.85	438	0.12	0.02
L842241		1.69	72.2	2.78	1.12	0.09	0.20	4.87	0.149	0.19	2.3	1.9	0.82	289	27.7	<0.01
L842242		0.59	17.2	2.91	0.78	0.07	0.22	502	0.026	0.04	1.2	2.0	0.85	233	0.66	0.01
L842243		1.09	13.8	4.02	0.71	0.09	0.16	724	0.073	0.04	1.0	2.0	0.09	166	0.76	<0.01
L842244		0.35	4.6	0.35	0.31	<0.05	0.11	7.95	0.006	0.06	6.1	1.0	0.67	202	0.17	0.01
L842245		0.35	4.2	0.52	0.31	<0.05	0.10	4.66	0.006	0.04	3.7	1.3	9.48	444	0.14	0.02
L842246		1.04	6.3	0.76	0.64	<0.05	0.14	4.88	<0.005	0.10	3.0	2.4	9.18	433	0.29	0.02
L842247		0.08	1.7	0.50	0.17	<0.05	0.03	2.18	<0.005	0.01	2.4	0.9	11.10	551	0.11	0.02
L842248		0.08	1.9	0.49	0.21	<0.05	0.03	2.15	<0.005	0.01	2.4	0.9	11.10	549	0.12	0.02
L842249		0.06	1.7	0.55	0.23	<0.05	0.03	2.45	<0.005	0.01	3.2	0.9	11.35	650	0.10	0.02
L842250		0.05	1.6	0.49	0.17	<0.05	0.02	1.53	<0.005	0.01	3.1	0.9	10.90	595	0.10	0.02
L842251		<0.05	1.1	0.56	0.13	<0.05	<0.02	0.70	<0.005	<0.01	2.1	0.7	11.20	700	0.07	0.02
L842252		<0.05	0.8	0.66	0.06	<0.05	<0.02	0.37	<0.005	0.01	2.2	0.8	11.40	713	0.10	0.03
L842253		<0.05	0.9	0.70	0.08	<0.05	<0.02	0.50	<0.005	<0.01	2.2	0.7	10.85	860	0.07	0.03
L842254		<0.05	0.5	1.08	0.10	<0.05	<0.02	0.38	<0.005	<0.01	4.1	0.8	11.55	1260	0.11	0.03
L842255		0.26	2.3	0.46	0.12	<0.05	<0.02	0.01	<0.005	0.02	0.6	1.3	12.30	206	0.08	0.02
L842256		<0.05	0.4	0.40	0.07	<0.05	<0.02	0.49	<0.005	<0.01	1.9	0.7	11.40	476	0.08	0.02
L842257		<0.05	0.4	0.47	0.07	<0.05	<0.02	4.87	<0.005	<0.01	1.3	0.7	11.20	482	0.08	0.03
L842258		<0.05	0.8	0.54	0.12	<0.05	0.02	0.90	<0.005	0.01	2.6	1.2	11.35	540	0.12	0.02
L842259		0.09	1.3	0.44	0.14	<0.05	0.04	0.34	<0.005	0.01	2.5	1.2	11.00	464	0.13	0.02
L842260		0.51	5.2	0.53	0.30	<0.05	0.11	0.73	<0.005	0.05	3.5	1.4	11.20	460	0.20	0.03
L842261		0.67	3.4	0.47	0.32	<0.05	0.09	0.38	<0.005	0.05	3.6	1.1	9.89	410	0.15	0.03
L842262		0.88	3.9	0.53	0.37	<0.05	0.09	0.35	<0.005	0.06	4.5	1.1	10.00	349	0.14	0.02
L842263		0.60	3.0	0.53	0.33	<0.05	0.08	0.41	<0.005	0.05	3.3	1.1	9.90	412	0.12	0.02
L842264		2.81	75.8	2.23	3.33	0.07	0.23	2.07	0.643	0.17	13.7	5.8	3.15	1550	69.9	0.02
L842265		0.16	4.2	0.44	0.22	<0.05	0.06	1.35	<0.005	0.02	3.6	1.1	10.65	419	0.13	0.02

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





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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12175998**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842230		0.10	<0.2	200	5.7	0.7	<0.001	0.06	4.52	0.5	0.4	<0.2	82.8	<0.01	0.01	0.5
L842231		0.07	<0.2	180	1.2	0.4	<0.001	0.01	1.68	0.2	0.3	<0.2	76.3	<0.01	0.01	0.2
L842232		0.08	0.5	690	5.2	0.9	<0.001	0.11	2.20	0.6	0.3	<0.2	122.5	<0.01	0.01	0.5
L842233		0.08	<0.2	210	2.9	0.5	<0.001	0.03	9.69	0.4	0.3	<0.2	82.5	<0.01	0.01	0.4
L842234		0.08	0.2	160	14.1	0.8	<0.001	<0.01	47.2	0.7	0.3	0.8	50.1	<0.01	0.02	0.4
L842235		0.07	<0.2	90	2.9	0.8	0.001	0.09	86.1	0.5	0.4	0.2	40.4	<0.01	0.01	0.2
L842236		0.08	0.5	240	7.5	0.6	0.002	0.05	13.70	0.7	0.5	1.0	70.9	<0.01	0.01	0.3
L842237		0.08	0.8	50	4.9	0.3	0.001	0.13	89.1	0.7	0.6	0.5	54.5	<0.01	0.01	<0.2
L842238		0.12	<0.2	170	1.2	1.1	<0.001	0.01	0.12	0.3	0.2	<0.2	43.7	<0.01	0.01	<0.2
L842239		0.08	10.3	90	29.0	1.8	0.004	1.79	175.0	1.4	0.4	0.5	96.0	<0.01	0.03	1.3
L842240		0.07	0.5	100	14.1	0.3	<0.001	0.09	21.5	0.6	0.4	0.9	55.8	<0.01	0.01	0.2
L842241		0.07	69.7	820	20.6	12.4	0.037	1.93	10.45	3.4	6.6	2.1	30.7	<0.01	0.68	2.0
L842242		0.06	37.3	100	216	1.6	0.015	3.26	523	0.4	3.0	0.8	119.0	<0.01	0.03	1.0
L842243		0.09	16.4	100	124.0	1.4	0.011	6.28	2880	0.4	0.7	0.9	131.5	<0.01	0.03	0.7
L842244		0.09	1.6	100	14.0	1.7	0.001	0.44	13.20	1.8	0.6	<0.2	464	<0.01	0.04	0.8
L842245		0.09	0.2	200	10.7	1.4	<0.001	0.22	22.4	1.4	0.5	<0.2	137.0	<0.01	0.02	0.8
L842246		0.09	3.5	520	11.5	3.1	0.001	0.50	5.61	1.8	0.4	0.3	109.5	<0.01	0.03	1.5
L842247		0.08	<0.2	320	2.8	0.4	<0.001	0.07	1.59	0.5	0.4	<0.2	78.2	<0.01	0.02	0.3
L842248		0.08	<0.2	320	3.0	0.4	<0.001	0.07	1.36	0.6	0.4	<0.2	78.1	<0.01	0.01	0.3
L842249		0.08	<0.2	380	2.1	0.3	<0.001	0.07	4.12	0.6	0.4	<0.2	52.0	<0.01	0.01	0.3
L842250		0.08	<0.2	320	2.3	0.3	<0.001	0.06	3.46	0.6	0.3	<0.2	50.9	<0.01	0.02	0.2
L842251		0.07	<0.2	130	0.9	0.1	<0.001	0.03	0.97	0.4	0.3	<0.2	67.7	<0.01	0.02	<0.2
L842252		0.11	<0.2	110	1.2	0.1	<0.001	0.05	1.00	0.2	0.2	<0.2	62.1	<0.01	0.01	<0.2
L842253		0.10	<0.2	110	0.9	0.1	<0.001	0.03	0.82	0.2	<0.2	<0.2	54.3	<0.01	0.01	<0.2
L842254		0.10	<0.2	140	1.1	0.1	<0.001	0.04	0.32	0.1	<0.2	<0.2	45.3	<0.01	0.01	<0.2
L842255		0.14	1.1	190	1.2	1.2	<0.001	0.05	<0.05	0.3	<0.2	<0.2	46.4	<0.01	0.01	<0.2
L842256		0.11	<0.2	150	0.6	0.1	<0.001	0.01	0.20	0.2	<0.2	<0.2	43.0	<0.01	0.01	<0.2
L842257		0.11	<0.2	150	1.6	0.1	<0.001	0.02	2.21	0.2	<0.2	<0.2	59.9	<0.01	0.01	<0.2
L842258		0.11	0.4	310	1.8	0.2	<0.001	0.06	3.49	0.3	0.2	<0.2	85.7	<0.01	0.01	0.2
L842259		0.11	0.8	470	2.4	0.5	<0.001	0.08	0.69	0.4	0.2	<0.2	69.0	<0.01	0.01	0.3
L842260		0.09	3.5	790	6.5	1.4	0.001	0.26	1.30	1.2	0.3	<0.2	77.8	<0.01	0.02	1.1
L842261		0.11	3.5	550	5.4	1.5	0.001	0.25	0.58	1.2	0.2	<0.2	84.2	<0.01	0.02	1.0
L842262		0.10	4.0	240	5.7	1.8	0.001	0.36	0.42	1.4	<0.2	<0.2	66.3	<0.01	0.02	1.2
L842263		0.13	2.7	140	5.1	1.6	<0.001	0.28	0.63	1.2	0.2	<0.2	87.6	<0.01	0.02	0.9
L842264		0.15	72.9	1080	18.8	14.6	0.059	0.91	6.38	4.0	3.5	3.4	198.5	0.01	0.31	3.7
L842265		0.11	2.0	300	4.6	0.8	<0.001	0.18	1.29	0.8	0.2	<0.2	95.5	<0.01	0.02	0.5

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12175998**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	As- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
L842230		<0.005	0.46	1.55	1	<0.05	3.15	25	2.3	
L842231		<0.005	0.30	1.15	<1	<0.05	1.77	10	0.7	
L842232		<0.005	0.54	1.63	2	<0.05	3.28	12	2.3	
L842233		<0.005	1.65	1.48	1	<0.05	2.39	33	1.8	
L842234		<0.005	3.18	1.35	2	0.13	1.88	92	3.1	
L842235		<0.005	13.70	0.99	2	0.05	1.24	73	1.7	
L842236		<0.005	5.52	1.59	2	0.09	2.86	31	1.7	
L842237		<0.005	24.0	0.97	3	<0.05	1.98	199	0.9	
L842238		<0.005	0.02	0.52	1	0.05	0.82	16	<0.5	
L842239		<0.005	56.9	3.33	5	0.12	3.19	252	6.4	
L842240		<0.005	5.56	1.12	2	0.08	2.40	101	1.7	
L842241		<0.005	2.34	1.92	59	2.45	6.96	140	7.9	
L842242		<0.005	240	3.71	3	0.32	1.21	3750	6.1	
L842243		<0.005	660	2.27	2	0.13	2.55	1060	4.6	3.98
L842244		<0.005	2.43	2.56	2	0.06	10.05	41	4.2	
L842245		<0.005	3.98	1.55	2	0.05	5.47	23	3.2	
L842246		<0.005	1.25	1.72	4	0.07	4.37	21	4.8	
L842247		<0.005	0.39	2.06	1	<0.05	3.57	6	1.0	
L842248		<0.005	0.36	2.12	1	<0.05	3.61	6	1.1	
L842249		<0.005	0.66	2.92	1	<0.05	3.76	231	0.8	
L842250		<0.005	0.66	2.79	1	<0.05	3.72	96	0.8	
L842251		<0.005	0.10	1.48	1	<0.05	2.46	6	<0.5	
L842252		<0.005	0.15	1.03	1	<0.05	3.52	3	<0.5	
L842253		<0.005	0.17	0.93	<1	<0.05	3.24	4	<0.5	
L842254		<0.005	0.11	1.05	<1	<0.05	3.57	3	<0.5	
L842255		<0.005	0.02	0.46	1	0.05	1.00	15	<0.5	
L842256		<0.005	0.06	1.36	<1	<0.05	3.42	2	<0.5	
L842257		<0.005	0.08	1.65	<1	<0.05	2.54	2	<0.5	
L842258		<0.005	0.22	2.40	1	<0.05	3.99	21	1.0	
L842259		<0.005	0.10	2.30	1	<0.05	3.89	<2	1.5	
L842260		<0.005	0.25	3.83	2	0.07	5.00	22	3.7	
L842261		<0.005	0.18	2.30	2	<0.05	4.81	2	3.1	
L842262		<0.005	0.21	1.19	2	<0.05	3.73	2	2.8	
L842263		<0.005	0.18	0.85	2	<0.05	4.25	3	2.5	
L842264		<0.005	0.98	12.45	149	16.35	19.80	405	10.1	
L842265		<0.005	0.18	1.56	2	<0.05	4.14	3	2.1	



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12175998**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**

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**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12175999**

Project: Crag East  
 P.O. No.: Batch 16  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 27- JUL- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

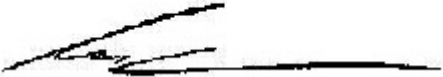
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12175999**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842266		6.59	0.002	<0.01	0.05	337	<0.2	<10	10	0.05	0.02	17.95	<0.01	3.77	0.7	16
L842267		5.65	0.005	0.01	0.08	255	<0.2	<10	10	0.08	0.02	17.10	0.01	4.37	1.2	12
L842268		<0.02	0.003	0.01	0.08	275	<0.2	<10	10	0.09	0.01	18.05	0.01	4.60	1.2	11
L842269		3.61	0.006	<0.01	0.02	220	<0.2	<10	10	0.09	<0.01	18.05	<0.01	0.90	0.6	6
L842270		0.20	1.175	0.63	0.54	237	<0.2	<10	90	0.79	7.84	15.55	1.87	20.4	4.2	23
L842271		8.10	0.003	<0.01	0.02	119	<0.2	<10	<10	0.07	<0.01	18.85	<0.01	0.80	0.6	7
L842272		8.40	0.001	<0.01	0.02	33	<0.2	<10	<10	0.08	<0.01	19.15	0.01	0.85	0.6	4
L842273		8.32	0.001	<0.01	0.02	35	<0.2	<10	<10	0.07	<0.01	18.70	<0.01	0.89	0.7	4
L842274		7.43	0.001	<0.01	0.03	30	<0.2	<10	<10	0.05	<0.01	20.0	<0.01	1.16	0.7	7
L842275		8.05	0.001	<0.01	0.06	26	<0.2	<10	10	0.09	0.01	19.05	<0.01	4.35	0.9	7
L842276		0.20	1.185	0.59	0.54	230	<0.2	<10	90	0.76	7.56	15.45	1.81	20.4	4.2	23
L842277		7.21	0.001	0.02	0.03	9	<0.2	<10	10	0.05	<0.01	20.1	<0.01	1.34	0.6	5
L842278		4.94	0.001	0.06	0.07	12	<0.2	<10	20	0.10	0.02	18.30	<0.01	4.74	1.2	5
L842279		3.69	0.002	0.05	0.13	22	<0.2	<10	30	0.13	0.02	18.40	<0.01	5.43	1.8	6
L842280		4.81	0.001	<0.01	0.02	<2	<0.2	<10	10	<0.05	0.02	18.90	0.06	1.22	1.2	2
L842281		5.35	0.002	0.04	0.19	18	<0.2	<10	20	0.16	0.04	18.00	0.01	7.50	2.6	9
L842282		3.04	0.001	0.02	0.25	13	<0.2	<10	20	0.17	0.06	17.30	<0.01	9.56	3.8	9
L842283		8.19	0.001	0.07	0.25	17	<0.2	<10	30	0.23	0.06	17.00	<0.01	8.45	4.0	11
L842284		8.52	0.001	0.10	0.19	20	<0.2	<10	20	0.16	0.04	17.50	<0.01	7.78	3.2	7
L842285		8.35	0.001	0.05	0.11	11	<0.2	<10	20	0.13	0.02	18.25	<0.01	5.67	1.5	6
L842286		4.31	0.002	0.02	0.15	18	<0.2	<10	20	0.13	0.03	17.30	<0.01	6.07	1.7	10
L842287		4.62	0.001	0.03	0.13	17	<0.2	<10	10	0.15	0.03	18.20	<0.01	7.28	1.4	9
L842288		3.46	0.002	<0.01	0.02	3	<0.2	<10	10	<0.05	0.01	19.15	0.04	0.94	1.2	2
L842289		4.14	0.002	0.02	0.20	22	<0.2	<10	20	0.18	0.06	17.35	<0.01	6.90	2.4	11
L842290		2.62	0.001	0.03	0.10	13	<0.2	<10	10	0.10	0.01	18.90	<0.01	4.89	1.2	8
L842291		1.14	0.002	0.02	0.07	9	<0.2	<10	10	0.12	0.01	18.55	<0.01	4.77	1.3	8
L842292		2.38	0.002	0.01	0.14	20	<0.2	<10	20	0.13	0.03	17.45	<0.01	6.28	2.5	13
L842293		6.74	0.001	0.01	0.18	24	<0.2	<10	20	0.13	0.04	18.30	<0.01	7.45	2.5	9
L842294		8.78	0.002	0.01	0.12	12	<0.2	<10	10	0.11	0.03	17.80	0.01	5.26	2.1	15
L842295		8.17	0.002	0.02	0.26	124	<0.2	<10	30	0.18	0.08	16.80	<0.01	7.21	6.5	14
L842296		3.71	0.002	0.03	0.34	153	<0.2	10	40	0.29	0.18	13.65	0.01	7.16	12.4	20
L842297		4.61	<0.001	0.02	0.43	119.5	<0.2	10	50	0.54	0.40	2.65	0.01	4.94	22.4	35
L842298		8.26	0.001	0.01	0.64	26.4	<0.2	10	400	0.83	0.30	2.69	<0.01	9.30	15.5	20
L842299		8.23	0.001	0.01	0.64	3.8	<0.2	10	80	0.79	0.23	1.82	0.01	11.90	16.0	27
L842300		8.43	<0.001	0.01	0.54	16.7	<0.2	10	70	0.78	0.34	2.58	0.01	12.30	18.4	49
L842301		7.89	0.001	0.01	0.71	5.1	<0.2	10	90	0.83	0.31	1.76	0.01	13.85	13.8	23



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**CERTIFICATE OF ANALYSIS WH12175999**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
L842266		0.06	1.5	0.65	0.16	<0.05	0.03	1.06	<0.005	0.01	2.4	1.0	10.05	663	0.13	0.02
L842267		0.10	3.0	0.69	0.23	<0.05	0.05	93.8	<0.005	0.01	2.9	1.4	9.05	835	0.14	0.02
L842268		0.09	3.0	0.72	0.25	<0.05	0.05	102.0	<0.005	0.01	3.1	1.5	9.52	876	0.13	0.02
L842269		<0.05	0.3	0.54	0.09	<0.05	<0.02	11.05	<0.005	<0.01	0.4	0.8	10.80	464	0.08	0.03
L842270		2.71	74.9	2.22	3.19	0.07	0.23	2.00	0.611	0.16	13.5	5.4	3.14	1540	68.7	0.02
L842271		<0.05	1.0	0.48	0.11	<0.05	<0.02	7.41	<0.005	<0.01	0.4	0.9	11.55	451	0.09	0.03
L842272		<0.05	0.5	0.49	0.10	<0.05	<0.02	0.86	<0.005	<0.01	0.4	0.9	11.80	467	0.07	0.03
L842273		<0.05	0.5	0.36	0.09	<0.05	<0.02	1.06	<0.005	<0.01	0.5	0.8	11.55	329	0.06	0.03
L842274		<0.05	0.7	0.38	0.10	<0.05	<0.02	0.21	<0.005	<0.01	0.7	0.7	9.66	344	0.08	0.02
L842275		0.07	0.9	0.57	0.22	<0.05	0.03	0.32	<0.005	0.02	2.6	1.1	10.60	470	0.07	0.03
L842276		2.73	75.3	2.21	3.04	0.08	0.22	1.97	0.585	0.16	14.1	4.9	3.10	1530	71.2	0.01
L842277		<0.05	0.3	0.38	0.12	<0.05	<0.02	0.09	<0.005	<0.01	0.8	0.7	10.45	370	0.10	0.03
L842278		0.15	1.8	0.61	0.26	<0.05	0.04	0.17	<0.005	0.03	3.0	0.8	10.60	614	0.07	0.03
L842279		0.34	3.0	0.77	0.39	0.05	0.07	0.30	0.005	0.05	3.3	1.1	10.05	633	0.09	0.03
L842280		0.18	0.8	0.43	0.13	<0.05	<0.02	0.01	<0.005	0.01	0.6	0.8	12.15	206	0.07	0.02
L842281		1.11	5.3	0.92	0.52	<0.05	0.11	0.41	0.006	0.08	4.4	1.4	10.20	682	0.11	0.03
L842282		2.60	6.6	1.16	0.74	<0.05	0.09	0.39	0.008	0.12	5.6	1.7	10.20	886	0.22	0.04
L842283		2.89	7.2	0.88	0.66	<0.05	0.09	0.37	0.007	0.12	5.1	1.5	10.25	577	0.10	0.03
L842284		1.27	6.0	0.96	0.54	<0.05	0.10	0.41	0.005	0.08	4.7	1.4	10.90	824	0.10	0.03
L842285		0.22	2.7	0.75	0.34	<0.05	0.06	0.20	<0.005	0.04	3.8	1.4	11.35	638	0.08	0.03
L842286		0.59	3.4	0.80	0.46	<0.05	0.06	0.24	<0.005	0.06	4.1	2.0	10.80	707	0.08	0.03
L842287		0.30	3.1	0.69	0.39	<0.05	0.05	0.23	<0.005	0.05	5.0	3.5	11.30	758	0.08	0.03
L842288		0.10	1.2	0.44	0.08	<0.05	<0.02	0.01	<0.005	0.01	0.4	0.8	12.00	209	0.10	0.01
L842289		0.75	5.4	0.91	0.62	<0.05	0.10	0.38	0.007	0.09	4.7	2.7	10.35	684	0.10	0.02
L842290		0.09	2.1	0.61	0.25	0.05	0.03	0.11	<0.005	0.02	3.4	2.5	11.30	658	0.08	0.02
L842291		0.09	1.9	0.58	0.22	0.05	0.03	0.09	<0.005	0.02	3.3	1.4	11.25	626	0.09	0.02
L842292		0.33	3.5	0.70	0.47	<0.05	0.09	0.19	0.006	0.06	4.5	1.6	10.60	607	0.14	0.02
L842293		0.64	4.1	0.77	0.53	0.05	0.11	0.27	0.006	0.08	4.9	2.4	10.10	675	0.12	0.03
L842294		0.37	3.2	0.61	0.36	<0.05	0.07	0.21	<0.005	0.05	3.8	1.2	10.55	620	0.12	0.02
L842295		1.11	8.4	1.20	0.75	<0.05	0.11	0.36	0.010	0.12	4.7	2.4	9.62	701	0.18	0.02
L842296		2.45	13.8	1.82	0.96	0.06	0.12	0.57	0.015	0.16	4.6	2.6	7.95	540	0.27	0.02
L842297		5.36	19.6	2.99	1.22	0.06	0.10	1.05	0.035	0.28	1.8	3.7	0.83	908	0.45	0.01
L842298		12.30	9.2	3.20	1.90	0.08	0.09	0.46	0.031	0.43	3.3	7.9	0.80	1150	0.30	0.02
L842299		14.20	10.1	3.07	1.98	0.07	0.09	0.05	0.030	0.41	4.2	10.0	0.65	1200	0.46	0.02
L842300		9.17	15.8	3.20	1.66	0.08	0.09	0.05	0.029	0.37	4.4	8.8	0.90	1520	0.45	0.02
L842301		14.80	12.2	3.21	2.13	0.08	0.11	0.05	0.028	0.46	4.9	6.4	0.63	1240	0.41	0.03



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**CERTIFICATE OF ANALYSIS WH12175999**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842266		0.10	1.1	230	1.8	0.4	0.001	0.09	1.92	0.4	0.2	<0.2	85.3	<0.01	0.02	0.2
L842267		0.12	2.0	230	4.4	0.4	<0.001	0.19	7.44	0.9	0.2	0.3	104.5	<0.01	0.02	0.3
L842268		0.13	2.2	240	4.6	0.4	<0.001	0.20	7.82	1.0	0.2	0.3	109.5	<0.01	0.03	0.3
L842269		0.11	0.9	90	0.7	0.1	<0.001	0.04	0.85	0.1	<0.2	<0.2	92.9	<0.01	0.02	<0.2
L842270		0.15	71.3	1060	18.1	13.9	0.056	0.91	6.10	4.0	3.4	3.3	196.5	0.01	0.30	3.6
L842271		0.13	0.9	90	0.8	0.1	<0.001	0.08	1.20	0.1	<0.2	<0.2	87.3	<0.01	0.02	<0.2
L842272		0.14	1.2	140	0.7	0.1	<0.001	0.04	0.37	0.1	<0.2	<0.2	88.1	<0.01	0.01	<0.2
L842273		0.13	1.5	130	0.7	0.1	<0.001	0.04	0.25	0.1	<0.2	<0.2	75.2	<0.01	0.01	<0.2
L842274		0.15	1.6	80	0.5	0.1	<0.001	0.03	0.16	0.2	<0.2	<0.2	118.5	<0.01	0.01	<0.2
L842275		0.15	1.8	1270	2.6	0.6	<0.001	0.15	0.50	0.5	0.2	<0.2	102.5	<0.01	0.02	0.3
L842276		0.16	73.0	1070	17.7	13.2	0.054	0.89	5.92	3.9	3.2	3.1	189.5	0.01	0.29	3.5
L842277		0.15	1.5	130	0.5	0.1	<0.001	0.02	0.07	0.1	<0.2	<0.2	97.9	<0.01	0.01	<0.2
L842278		0.15	2.4	230	3.1	0.9	<0.001	0.14	0.26	0.9	0.2	<0.2	108.5	<0.01	0.02	0.4
L842279		0.14	3.8	330	4.4	1.5	<0.001	0.27	0.46	1.5	0.2	<0.2	137.5	<0.01	0.02	0.8
L842280		0.17	3.2	280	1.1	0.8	<0.001	0.02	<0.05	0.4	<0.2	<0.2	38.8	<0.01	0.01	<0.2
L842281		0.15	5.4	390	7.9	2.5	<0.001	0.52	0.55	1.9	0.3	0.2	109.5	<0.01	0.02	1.2
L842282		0.14	7.0	250	8.5	3.9	<0.001	0.67	0.44	2.5	0.2	0.2	70.7	<0.01	0.03	1.8
L842283		0.14	7.1	280	12.9	3.9	0.001	0.65	0.53	2.7	0.2	0.2	96.8	<0.01	0.02	1.7
L842284		0.15	5.6	350	10.3	2.6	<0.001	0.56	0.73	1.8	0.3	<0.2	74.5	<0.01	0.02	1.3
L842285		0.15	3.4	250	3.8	1.3	<0.001	0.32	0.41	1.3	0.2	<0.2	104.0	<0.01	0.02	0.6
L842286		0.14	3.6	280	4.8	2.0	<0.001	0.40	0.35	1.6	<0.2	<0.2	92.5	<0.01	0.01	0.9
L842287		0.10	2.6	270	3.4	1.6	<0.001	0.28	0.32	1.3	0.2	<0.2	79.4	<0.01	0.02	0.8
L842288		0.16	3.5	170	1.3	0.5	<0.001	0.01	<0.05	0.3	0.2	<0.2	44.6	<0.01	<0.01	<0.2
L842289		0.18	4.7	240	7.3	3.3	0.001	0.52	0.89	1.9	0.2	0.2	130.0	<0.01	0.01	1.2
L842290		0.17	2.6	310	4.7	0.9	<0.001	0.13	0.76	0.8	0.2	<0.2	129.0	<0.01	0.01	0.4
L842291		0.17	3.1	290	1.7	0.8	0.001	0.14	0.14	0.8	<0.2	<0.2	121.5	<0.01	0.01	0.4
L842292		0.16	4.5	260	4.8	2.1	<0.001	0.35	0.39	1.3	0.2	<0.2	119.0	<0.01	0.01	0.9
L842293		0.19	5.0	400	5.9	2.7	0.001	0.41	0.69	1.7	0.3	<0.2	139.5	<0.01	0.01	1.3
L842294		0.18	4.4	230	4.4	1.8	0.001	0.30	0.45	1.1	0.2	<0.2	107.5	<0.01	0.01	0.7
L842295		0.18	8.2	290	12.3	4.2	<0.001	0.78	1.10	2.4	0.2	0.3	142.5	<0.01	0.02	1.2
L842296		0.16	14.3	250	21.8	6.1	<0.001	1.61	1.59	2.8	0.2	0.4	156.5	<0.01	0.03	1.5
L842297		0.07	21.6	220	10.0	11.7	<0.001	0.48	1.12	7.0	<0.2	0.8	58.6	<0.01	0.07	2.6
L842298		0.10	19.3	240	6.6	21.2	<0.001	0.05	0.23	7.0	0.2	0.4	80.1	<0.01	0.06	3.9
L842299		0.10	20.7	220	7.0	22.0	<0.001	0.01	0.17	6.5	<0.2	0.4	108.5	<0.01	0.04	3.8
L842300		0.09	20.2	280	10.2	16.9	<0.001	0.02	0.20	6.0	0.2	0.6	152.0	<0.01	0.05	3.7
L842301		0.14	16.5	270	11.0	24.5	<0.001	0.01	0.32	6.6	<0.2	0.5	87.5	<0.01	0.05	5.2



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
L842266		<0.005	0.25	1.27	1	<0.05	3.51	2	0.9
L842267		<0.005	2.42	1.51	2	0.05	4.39	8	1.6
L842268		<0.005	2.58	1.59	2	0.05	4.67	7	1.7
L842269		<0.005	0.27	0.70	<1	<0.05	1.47	3	<0.5
L842270		<0.005	0.92	12.15	145	16.65	19.30	396	9.9
L842271		<0.005	0.60	0.69	<1	<0.05	1.23	3	<0.5
L842272		<0.005	0.25	0.76	<1	<0.05	1.20	7	<0.5
L842273		<0.005	0.12	0.70	<1	<0.05	1.17	2	<0.5
L842274		<0.005	0.08	0.47	<1	<0.05	1.23	<2	<0.5
L842275		<0.005	0.09	1.06	1	<0.05	3.08	<2	1.0
L842276		<0.005	0.93	11.80	146	16.70	18.00	396	9.2
L842277		<0.005	0.02	0.52	<1	0.38	1.37	<2	<0.5
L842278		<0.005	0.09	0.33	2	0.68	2.51	2	1.2
L842279		<0.005	0.18	0.52	3	0.34	3.95	3	2.2
L842280		<0.005	<0.02	0.44	1	0.06	0.86	16	<0.5
L842281		<0.005	0.32	0.92	4	0.19	4.84	5	3.3
L842282		<0.005	0.37	0.60	4	0.07	4.49	5	2.8
L842283		<0.005	0.44	0.58	4	0.49	3.96	4	3.0
L842284		<0.005	0.24	0.96	4	0.14	4.36	5	3.4
L842285		<0.005	0.13	0.46	3	0.29	2.93	3	1.8
L842286		<0.005	0.13	0.42	3	0.17	3.26	3	2.0
L842287		<0.005	0.11	0.44	2	0.48	3.71	3	1.7
L842288		<0.005	<0.02	0.63	<1	0.05	0.83	12	<0.5
L842289		<0.005	0.17	0.45	3	0.34	4.48	3	3.1
L842290		<0.005	0.07	0.38	1	0.20	3.23	2	0.9
L842291		<0.005	0.07	0.37	1	0.13	3.03	2	1.0
L842292		<0.005	0.14	0.69	2	0.13	3.34	2	2.6
L842293		<0.005	0.16	0.84	3	0.08	5.29	3	3.5
L842294		<0.005	0.14	0.67	1	0.11	3.46	2	2.2
L842295		<0.005	0.82	0.79	4	0.11	4.84	4	3.5
L842296		<0.005	1.71	0.50	5	0.19	4.12	4	4.3
L842297		<0.005	0.14	0.22	6	0.09	6.11	41	3.1
L842298		<0.005	0.24	0.28	9	<0.05	6.29	26	2.3
L842299		0.006	0.10	0.24	9	<0.05	5.99	29	2.4
L842300		0.005	0.10	0.27	9	0.05	7.28	32	2.3
L842301		0.018	0.11	0.39	12	0.08	6.35	23	2.8





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Page: Appendix 1  
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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12175999**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Account: MTT**

**CERTIFICATE WH12179900**

Project: Crag East 3  
 P.O. No.:  
 This report is for 1 Soil sample submitted to our lab in Whitehorse, YT, Canada on 1- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12179900**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
CC160143		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
		0.26	0.010	0.23	1.56	146.5	<0.2	<10	350	1.46	0.30	1.84	1.42	19.00	16.6	22

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12179900**

Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
CC160143		1.79	46.5	4.27	4.81	0.10	0.07	2.36	0.042	0.11	9.0	18.0	1.17	1230	1.33	0.02

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12179900**

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
CC160143		0.26	48.4	780	46.6	11.9	0.001	0.02	3.55	8.5	0.7	0.8	30.8	0.01	0.06	5.0

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



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12179900**

Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
CC160143		<0.005	0.44	1.04	37	0.08	14.85	290	1.9

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



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**CERTIFICATE COMMENTS**

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**Account: MTT**

**CERTIFICATE WH12179905**

Project: Crag East  
 P.O. No.: Batch 17  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

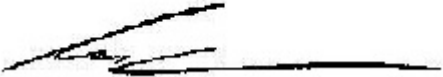
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12179905**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842302		8.41	0.001	0.01	0.76	3.9	<0.2	10	120	1.22	0.29	1.20	0.01	18.35	14.2	14
L842303		7.52	<0.001	0.03	0.72	21.1	<0.2	10	120	1.16	0.31	2.02	0.02	18.60	17.6	8
L842304		7.73	<0.001	0.01	0.57	27.8	<0.2	10	80	1.06	0.30	4.14	0.01	24.1	22.8	6
L842305		7.22	0.001	0.01	0.63	35.9	<0.2	10	90	1.15	0.29	1.98	0.01	18.80	17.6	7
L842306		7.47	0.001	0.01	0.65	7.8	<0.2	10	80	1.30	0.25	1.52	0.01	32.9	15.7	9
L842307		7.66	0.001	0.01	0.67	16.4	<0.2	10	280	1.25	0.29	1.77	0.01	24.9	14.5	7
L842308		7.92	0.001	0.03	0.68	25.6	<0.2	10	100	1.34	0.36	1.09	0.01	13.50	21.7	7
L842309		7.53	0.002	0.05	0.62	49.5	<0.2	10	100	1.38	0.30	3.31	0.02	11.05	22.8	8
L842310		1.49	0.002	0.06	0.63	33.3	<0.2	10	100	1.34	0.45	0.51	<0.01	8.45	20.8	9
L842311		5.79	0.001	0.03	0.51	10.8	<0.2	10	110	0.46	0.06	1.37	<0.01	13.70	6.6	10
L842312		2.80	0.002	0.02	0.66	10.6	<0.2	10	90	0.45	0.06	1.35	<0.01	14.60	6.6	10
L842313		7.48	0.001	0.03	0.51	14.3	<0.2	10	110	0.47	0.11	0.96	0.01	15.85	9.5	10
L842314		6.69	0.002	0.03	0.55	20.6	<0.2	10	80	0.45	0.07	0.98	<0.01	13.30	8.2	12
L842315		2.17	0.002	0.09	0.40	17	<0.2	<10	130	0.21	0.02	12.15	0.12	9.49	4.1	12
L842316		0.53	0.001	0.36	0.53	22	<0.2	<10	1680	0.21	0.02	10.50	0.08	11.30	4.2	9
L842317		0.26	1.135	0.66	0.56	255	<0.2	<10	100	1.01	8.31	16.00	2.31	21.5	5.4	24
L842318		1.54	0.003	1.25	0.67	32.7	<0.2	<10	390	0.43	0.08	9.57	0.46	12.05	8.2	16
L842319		0.48	0.001	0.37	0.89	62.2	<0.2	<10	140	0.59	0.13	4.15	0.11	12.30	9.0	18
L842320		4.43	0.001	0.04	0.29	81	<0.2	<10	70	0.44	0.13	21.0	0.01	10.75	6.0	3
L842321		7.04	0.001	0.05	0.37	183	<0.2	<10	130	0.52	0.12	22.2	0.02	11.90	8.8	3
L842322		8.21	0.001	0.06	0.35	243	<0.2	<10	2390	0.56	0.13	20.1	0.07	9.40	7.2	4
L842323		7.80	0.002	0.01	0.10	114	<0.2	<10	480	0.11	0.02	>25.0	0.07	8.86	3.7	2
L842324		4.63	0.002	0.02	0.24	293	<0.2	<10	800	0.18	0.07	>25.0	0.04	6.78	7.2	5
L842325		<0.02	0.003	0.02	0.24	287	<0.2	<10	1020	0.18	0.07	>25.0	0.04	6.72	7.2	5
L842326		2.89	0.002	0.24	0.37	1360	<0.2	<10	190	0.22	0.09	14.75	0.01	5.92	10.1	6
L842327		1.98	0.002	0.01	0.02	7	<0.2	<10	10	<0.05	<0.01	18.75	0.05	0.88	1.3	1
L842328		0.26	3.78	1.47	0.35	705	<0.2	<10	50	0.39	4.31	2.22	2.05	5.13	8.5	21
L842329		5.40	0.003	0.06	0.53	894	<0.2	10	90	0.61	0.41	1.14	0.01	7.63	15.9	5
L842330		6.66	0.001	0.04	0.45	293	<0.2	<10	70	0.47	0.25	8.69	0.01	8.25	13.9	5
L842331		8.48	0.001	0.03	0.53	100.5	<0.2	10	70	0.64	0.26	8.50	<0.01	11.95	12.4	5
L842332		6.79	0.001	0.02	0.39	29	<0.2	<10	110	0.39	0.07	13.55	<0.01	9.36	7.1	5
L842333		5.10	0.001	0.01	0.26	33	<0.2	<10	30	0.34	0.08	14.15	<0.01	8.29	8.0	3
L842334		3.28	<0.001	0.01	0.24	16	<0.2	<10	40	0.17	0.05	16.05	<0.01	8.70	4.7	3
L842335		1.84	0.001	<0.01	0.04	3	<0.2	<10	10	<0.05	<0.01	19.15	0.06	1.09	1.6	1
L842336		1.57	0.001	0.04	0.50	292	<0.2	<10	60	1.02	0.48	3.00	0.01	9.66	20.4	3
L842337		2.68	0.001	0.03	0.59	274	<0.2	10	50	1.25	0.39	1.90	0.01	12.80	17.4	4



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12179905**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842302		16.80	15.3	3.34	2.49	0.09	0.13	0.04	0.029	0.53	6.4	9.0	0.53	1080	0.28	0.03
L842303		11.50	129.5	2.76	2.42	0.07	0.13	0.04	0.031	0.53	6.7	8.7	0.88	1860	0.39	0.03
L842304		5.38	11.9	2.31	2.04	0.08	0.11	0.14	0.034	0.42	10.7	4.4	1.28	3570	0.45	0.03
L842305		6.05	23.7	2.59	2.05	0.06	0.11	1.15	0.028	0.47	7.0	7.9	0.72	1200	0.23	0.03
L842306		8.27	13.0	2.79	2.29	0.09	0.13	0.20	0.028	0.48	14.3	7.0	0.58	1300	0.16	0.04
L842307		9.25	24.4	2.66	2.36	0.08	0.13	0.05	0.032	0.53	9.6	7.4	0.77	1880	0.61	0.05
L842308		12.45	38.3	2.92	2.24	0.06	0.12	0.09	0.033	0.54	4.8	6.3	0.56	1160	0.59	0.06
L842309		7.74	30.3	4.41	1.99	0.06	0.16	0.25	0.033	0.46	3.8	5.1	1.38	2340	0.73	0.05
L842310		6.67	39.8	3.61	2.15	0.06	0.17	0.31	0.022	0.46	3.7	11.2	0.56	332	0.33	0.05
L842311		2.31	7.1	3.00	1.41	<0.05	0.14	0.40	0.023	0.27	5.8	10.3	0.68	768	0.34	0.03
L842312		2.36	7.7	2.91	1.75	0.05	0.14	0.20	0.021	0.31	6.1	12.7	0.66	774	0.34	0.03
L842313		3.96	15.8	2.41	1.56	0.05	0.16	0.09	0.019	0.37	6.7	7.8	0.54	480	0.19	0.04
L842314		5.13	12.4	2.54	2.07	0.05	0.14	0.08	0.022	0.35	5.5	12.0	0.52	568	0.16	0.04
L842315		0.44	7.7	1.22	1.27	<0.05	0.11	0.18	0.007	0.08	4.0	5.7	1.03	449	0.43	0.02
L842316		0.23	6.3	1.44	1.60	0.05	0.08	0.07	0.010	0.08	4.6	9.7	2.11	560	0.27	0.02
L842317		2.66	79.5	2.38	3.46	0.09	0.22	2.27	0.737	0.16	14.8	5.6	3.37	1620	73.7	0.01
L842318		0.59	31.0	2.54	2.19	0.07	0.10	0.36	0.023	0.13	5.8	12.2	1.37	951	0.94	0.02
L842319		1.05	20.2	2.79	2.80	0.05	0.09	0.34	0.021	0.18	5.5	20.7	1.68	726	0.52	0.03
L842320		1.25	14.1	1.71	0.84	0.06	0.09	0.32	0.016	0.17	6.3	1.8	1.29	882	0.15	0.02
L842321		2.41	12.8	1.17	1.04	0.05	0.12	0.54	0.016	0.22	7.5	2.2	0.57	701	0.14	0.02
L842322		3.62	23.8	0.80	1.02	<0.05	0.11	0.52	0.023	0.23	5.8	2.6	0.31	445	0.14	0.02
L842323		0.35	7.2	0.60	0.40	0.05	0.09	1.28	0.010	0.05	6.1	0.7	0.25	592	0.28	0.02
L842324		0.63	25.6	0.77	0.83	0.05	0.11	11.20	0.011	0.11	5.1	2.8	0.37	528	0.24	0.02
L842325		0.64	26.1	0.77	0.80	0.06	0.11	10.60	0.014	0.11	5.1	2.7	0.36	520	0.24	0.02
L842326		0.69	14.8	3.36	1.03	0.06	0.11	3.66	0.031	0.14	3.4	10.6	7.29	631	0.24	0.03
L842327		0.13	1.5	0.45	0.13	0.05	<0.02	0.02	<0.005	0.01	0.4	0.6	12.05	215	0.10	0.01
L842328		1.94	76.5	3.00	1.30	0.08	0.21	5.55	0.165	0.20	2.7	1.8	0.91	313	25.4	0.01
L842329		3.45	35.5	2.91	1.53	0.05	0.16	2.74	0.027	0.30	3.1	5.3	0.45	104	0.22	0.01
L842330		3.17	23.0	3.51	1.27	0.06	0.13	2.26	0.026	0.24	3.8	2.6	4.56	372	0.19	0.02
L842331		4.67	24.1	2.55	1.48	0.07	0.13	1.04	0.025	0.29	4.8	3.1	4.46	310	0.17	0.02
L842332		1.79	10.5	2.16	1.14	0.06	0.10	0.78	0.015	0.19	5.2	1.8	6.96	620	0.13	0.02
L842333		1.99	11.7	2.03	0.77	0.06	0.09	0.90	0.011	0.12	5.1	1.4	8.43	691	0.10	0.02
L842334		1.31	8.5	1.55	0.67	0.07	0.07	0.26	0.012	0.10	5.8	1.5	9.74	630	0.06	0.03
L842335		0.17	1.5	0.47	0.17	0.06	<0.02	0.01	<0.005	0.02	0.5	0.9	12.30	227	0.11	0.02
L842336		9.13	27.7	3.98	1.36	0.06	0.17	0.98	0.024	0.30	3.3	2.7	1.50	146	0.23	0.02
L842337		10.20	24.3	2.77	1.59	0.06	0.17	0.84	0.033	0.37	3.1	3.4	0.87	129	0.23	0.02

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12179905**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842302		0.09	20.8	360	10.0	26.7	0.001	0.01	1.40	6.8	0.2	0.5	70.1	<0.01	0.07	6.5
L842303		0.05	24.1	260	8.0	22.7	<0.001	0.02	0.50	6.8	0.3	0.4	94.7	<0.01	0.04	5.3
L842304		<0.05	17.2	280	9.6	16.9	<0.001	0.01	0.86	7.3	0.3	0.5	159.0	<0.01	0.11	4.6
L842305		<0.05	19.8	260	9.5	20.0	<0.001	0.11	0.61	7.0	0.2	0.5	107.5	<0.01	0.09	4.8
L842306		0.07	22.4	430	8.6	22.4	<0.001	<0.01	0.45	6.7	0.3	0.5	93.2	<0.01	0.05	6.0
L842307		<0.05	21.9	210	8.9	22.3	<0.001	0.02	0.26	6.4	0.2	0.4	90.8	<0.01	0.03	5.2
L842308		<0.05	24.7	200	12.3	23.5	<0.001	0.14	0.28	5.8	0.3	0.5	58.6	<0.01	0.05	4.1
L842309		0.05	26.5	290	24.1	18.0	<0.001	0.91	0.50	5.5	0.4	0.8	135.5	<0.01	0.02	4.6
L842310		<0.05	35.7	110	20.1	18.3	<0.001	0.76	0.42	5.1	0.2	0.9	53.5	<0.01	0.02	4.4
L842311		<0.05	14.6	120	12.3	10.0	<0.001	0.11	0.15	3.1	0.2	0.4	67.9	<0.01	0.01	6.1
L842312		<0.05	14.3	110	11.4	11.7	<0.001	0.12	0.14	3.2	<0.2	0.5	69.8	<0.01	0.01	6.2
L842313		<0.05	15.5	110	15.2	14.3	<0.001	0.12	0.14	2.9	<0.2	0.5	57.6	<0.01	0.01	6.7
L842314		<0.05	16.3	120	13.0	14.2	<0.001	0.07	0.11	3.4	<0.2	0.5	54.9	<0.01	0.01	6.6
L842315		0.60	8.2	390	7.2	3.9	<0.001	0.16	0.81	1.6	0.4	0.4	252	<0.01	0.01	1.9
L842316		0.07	6.3	540	22.1	3.7	0.001	0.18	0.37	2.1	0.5	0.3	302	<0.01	0.01	3.6
L842317		0.13	78.9	1180	21.0	14.0	0.057	1.01	8.34	4.6	3.9	3.2	223	0.01	0.33	3.7
L842318		0.45	15.1	410	12.9	5.8	0.001	0.13	0.56	3.7	0.5	0.8	162.0	<0.01	0.04	3.5
L842319		0.27	17.2	310	16.2	8.6	0.001	0.07	0.66	3.8	0.5	0.8	89.8	<0.01	0.02	4.1
L842320		0.10	6.9	370	7.1	6.2	0.001	0.12	1.48	4.1	0.7	0.2	533	<0.01	0.03	1.4
L842321		0.10	7.4	430	12.7	7.9	0.001	0.26	1.22	4.4	0.8	0.3	482	<0.01	0.04	2.0
L842322		0.09	11.2	110	6.5	8.5	<0.001	0.17	0.45	4.8	0.5	0.4	311	<0.01	0.05	1.5
L842323		0.14	4.3	30	9.9	1.6	0.001	0.42	0.87	2.5	0.6	<0.2	407	<0.01	0.03	0.5
L842324		0.13	11.9	20	12.7	3.4	0.001	0.41	2.15	3.7	0.6	0.3	307	<0.01	0.04	0.7
L842325		0.13	12.4	20	13.5	3.5	0.001	0.42	2.22	3.6	0.8	0.3	300	<0.01	0.04	0.7
L842326		0.08	15.8	220	12.3	4.5	0.001	0.92	42.7	5.0	0.6	0.8	169.0	<0.01	0.03	1.3
L842327		0.08	0.9	190	1.1	0.7	<0.001	0.02	0.13	0.4	0.3	<0.2	42.4	<0.01	0.01	<0.2
L842328		0.07	78.3	890	20.9	14.2	0.040	2.14	11.85	3.4	7.2	2.2	34.3	<0.01	0.83	2.1
L842329		<0.05	27.2	50	28.1	11.8	<0.001	2.70	3.43	5.7	0.3	1.3	28.8	<0.01	0.10	2.6
L842330		0.06	21.2	330	23.9	8.8	0.001	3.08	1.74	3.8	0.4	0.7	72.0	<0.01	0.06	2.4
L842331		0.06	18.9	490	17.7	11.1	<0.001	2.07	0.81	5.0	0.4	0.6	50.3	<0.01	0.06	2.7
L842332		0.06	7.5	830	10.0	6.2	<0.001	0.92	0.41	3.8	0.5	0.3	117.0	<0.01	0.02	2.2
L842333		0.07	7.3	530	11.8	4.4	<0.001	1.17	0.39	2.9	0.5	0.3	85.0	<0.01	0.04	2.1
L842334		0.08	5.4	380	8.2	3.3	<0.001	0.68	0.33	2.8	0.5	0.3	102.5	<0.01	0.03	1.3
L842335		0.09	1.9	210	1.3	1.0	<0.001	0.03	0.09	0.4	0.3	<0.2	46.0	<0.01	0.01	0.2
L842336		0.05	30.2	160	26.3	12.5	0.001	4.53	1.43	5.7	0.4	0.7	35.0	<0.01	0.11	3.3
L842337		<0.05	26.4	120	19.8	15.4	<0.001	2.95	0.92	7.0	0.3	0.5	28.4	<0.01	0.07	3.7



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12179905**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
L842302		0.020	0.15	0.96	19	<0.05	7.36	26	3.3
L842303		0.005	0.16	0.94	13	<0.05	7.50	31	3.4
L842304		<0.005	0.10	0.78	11	<0.05	11.35	26	2.8
L842305		<0.005	0.69	0.39	9	<0.05	6.83	26	2.9
L842306		0.010	0.12	0.37	12	<0.05	8.14	29	3.1
L842307		<0.005	0.12	0.51	11	<0.05	6.72	31	3.1
L842308		<0.005	0.16	0.35	10	<0.05	6.73	34	2.9
L842309		<0.005	0.34	0.52	10	<0.05	8.12	49	4.3
L842310		<0.005	0.24	0.66	12	<0.05	5.41	64	5.6
L842311		<0.005	0.09	0.48	9	<0.05	3.29	28	3.9
L842312		<0.005	0.09	0.47	9	<0.05	3.33	25	4.2
L842313		<0.005	0.13	0.54	9	<0.05	3.53	49	5.0
L842314		<0.005	0.10	0.49	10	<0.05	3.38	31	4.6
L842315		0.024	0.05	0.53	9	0.37	4.80	33	4.2
L842316		<0.005	0.06	0.88	6	0.76	7.39	34	3.4
L842317		<0.005	0.98	14.50	151	16.45	21.8	430	9.3
L842318		0.014	0.08	0.62	15	6.71	8.15	74	3.6
L842319		0.007	0.11	0.63	16	2.32	5.27	49	3.7
L842320		<0.005	0.30	0.81	4	0.11	11.25	13	2.6
L842321		<0.005	0.37	0.99	4	0.05	11.05	26	3.7
L842322		<0.005	0.33	1.71	6	<0.05	8.24	72	3.8
L842323		<0.005	0.39	2.18	4	0.05	7.40	54	2.3
L842324		<0.005	0.92	1.92	9	0.11	8.64	22	3.4
L842325		<0.005	0.95	1.86	9	0.11	8.80	22	3.5
L842326		<0.005	1.12	0.52	9	2.29	6.59	35	3.1
L842327		<0.005	<0.02	0.58	1	0.05	0.75	12	<0.5
L842328		<0.005	2.50	2.07	62	2.33	7.92	148	8.0
L842329		<0.005	2.17	0.27	7	0.26	3.05	12	5.3
L842330		<0.005	1.25	0.30	6	0.14	5.94	9	4.8
L842331		<0.005	1.14	0.32	6	0.07	6.94	14	4.6
L842332		<0.005	0.46	0.37	6	0.07	8.66	5	3.2
L842333		<0.005	0.59	0.35	4	<0.05	7.33	4	2.6
L842334		<0.005	0.42	0.34	4	<0.05	6.69	3	2.3
L842335		<0.005	<0.02	0.72	1	<0.05	0.88	12	<0.5
L842336		<0.005	1.92	0.85	6	<0.05	4.11	10	6.1
L842337		<0.005	0.81	0.42	6	<0.05	4.47	8	5.9



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12179905**

**CERTIFICATE COMMENTS**

Applies to Method:



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**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12179908**

Project: Crag East  
 P.O. No.: Batch 18  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 1- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER


<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
PUL- QC	Pulverizing QC Test
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12179908**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
L842338		5.26	0.002	0.04	0.41	108.5	<0.2	<10	50	0.96	0.38	1.31	0.01	7.17	20.5	4
L842339		4.31	0.002	0.04	0.37	135.5	<0.2	<10	120	0.82	0.34	2.59	<0.01	7.39	17.8	3
L842340		1.92	0.002	0.04	0.33	98.8	<0.2	<10	130	0.90	0.34	1.72	<0.01	7.50	19.8	3
L842341		5.90	0.002	0.03	0.37	112.5	<0.2	<10	110	0.83	0.34	1.21	0.01	6.20	19.5	3
L842342		6.95	0.002	0.01	0.42	106.5	<0.2	<10	70	1.03	0.38	1.37	<0.01	8.39	14.8	4
L842343		2.66	0.001	0.01	0.03	<2	<0.2	<10	10	0.05	0.01	20.5	0.05	1.05	1.6	1
L842344		6.91	0.002	0.02	0.23	68	<0.2	<10	20	0.43	0.11	14.50	0.01	10.95	10.3	3
L842345		8.06	0.002	0.01	0.10	14	<0.2	<10	20	0.19	0.04	14.85	<0.01	5.62	2.8	3
L842346		7.88	0.003	0.02	0.12	15	<0.2	<10	20	0.32	0.04	17.55	0.03	7.60	2.7	3
L842347		7.58	0.003	<0.01	0.09	16	<0.2	<10	20	0.16	0.03	14.40	<0.01	4.89	2.1	4
L842348		1.20	0.003	0.02	0.11	28	<0.2	<10	20	0.29	0.05	17.30	0.02	7.35	3.6	5
L842349		0.21	1.115	0.68	0.50	242	<0.2	<10	100	0.97	7.51	16.90	1.91	23.1	5.4	23
L842350		6.41	0.003	0.03	0.14	14	<0.2	<10	10	0.21	0.05	18.45	<0.01	7.47	3.0	3
L842351		7.82	0.001	0.01	0.22	24	<0.2	<10	20	0.32	0.06	17.00	<0.01	7.09	4.9	3
L842352		7.87	0.003	0.03	0.12	21	<0.2	<10	20	0.22	0.04	17.35	0.01	6.17	3.8	2
L842353		7.75	0.001	0.01	0.13	22	<0.2	<10	20	0.23	0.04	18.85	<0.01	6.27	3.7	2
L842354		7.63	0.004	0.01	0.12	13	<0.2	<10	20	0.17	0.03	18.85	0.01	6.69	2.7	2
L842355		7.74	0.002	<0.01	0.05	28	<0.2	<10	20	0.16	<0.01	18.15	0.02	2.28	1.2	1
L842356		<0.02	0.003	0.01	0.05	31	<0.2	<10	20	0.16	0.01	18.95	0.05	2.73	1.4	1
L842357		7.81	0.002	<0.01	0.03	28	<0.2	<10	10	0.13	<0.01	19.55	0.01	1.44	1.0	1
L842358		7.16	0.004	<0.01	0.03	44	<0.2	<10	10	0.09	<0.01	18.45	0.01	1.41	1.0	1
L842359		7.49	0.003	0.01	0.06	105	<0.2	<10	20	0.15	0.01	19.60	0.01	4.33	1.7	1
L842360		5.31	0.004	0.01	0.11	55	<0.2	<10	40	0.20	0.04	19.95	0.02	7.06	3.2	2
L842361		8.71	0.002	0.03	0.13	49	<0.2	<10	80	0.20	0.04	20.2	0.06	8.29	3.5	3
L842362		8.12	0.002	0.05	0.15	43	<0.2	<10	60	0.20	0.04	20.6	0.15	7.91	3.2	3
L842363		6.77	0.003	0.02	0.06	55	<0.2	<10	50	0.14	0.01	18.55	<0.01	3.88	1.3	1
L842364		3.44	0.003	0.19	0.38	107.0	<0.2	<10	60	0.91	0.42	5.40	0.09	16.20	14.9	10
L842365		5.86	0.002	0.07	0.36	44.1	<0.2	10	90	1.27	0.42	1.44	0.02	14.80	13.0	9
L842366		2.93	0.002	0.02	0.03	7	<0.2	<10	90	<0.05	0.03	18.45	0.06	1.16	0.6	<1
L842367		6.49	0.004	0.06	0.37	24.1	<0.2	10	90	1.36	0.46	0.56	0.01	15.50	18.4	13
L842368		2.30	0.002	0.03	0.53	2.3	<0.2	10	190	1.31	0.40	0.60	<0.01	8.14	11.6	19
L842369		8.09	0.004	0.03	0.57	1.5	<0.2	10	350	1.11	0.34	0.36	<0.01	9.20	14.8	19
L842370		0.20	0.275	>100	1.21	244	0.2	<10	80	0.17	5.36	0.59	24.7	8.55	10.6	29
L842371		7.61	0.002	0.04	0.49	3.1	<0.2	10	190	1.15	0.42	0.20	0.01	12.95	16.7	14
L842372		7.62	0.002	0.07	0.42	10.7	<0.2	10	70	0.94	0.39	0.45	0.01	14.35	17.9	7
L842373		7.73	0.002	0.05	0.39	11.7	<0.2	10	80	1.05	0.40	0.62	<0.01	13.45	18.6	9



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842338		7.91	27.8	3.17	1.16	0.05	0.17	0.82	0.025	0.27	2.3	3.2	0.58	135	0.30	0.01
L842339		6.92	28.4	2.38	1.10	0.05	0.15	0.75	0.033	0.24	2.4	3.0	1.10	150	0.19	0.01
L842340		7.27	27.5	2.17	1.01	0.05	0.14	0.80	0.029	0.22	2.4	2.7	0.72	111	0.19	0.01
L842341		8.06	27.6	2.11	0.95	0.05	0.15	0.61	0.020	0.24	2.2	3.1	0.51	84	0.17	0.01
L842342		10.10	22.9	1.43	1.14	<0.05	0.12	0.12	0.026	0.27	2.7	4.6	0.61	84	0.09	0.01
L842343		0.22	2.0	0.48	0.19	0.11	<0.02	0.02	<0.005	0.02	0.5	1.2	12.35	211	0.06	0.02
L842344		3.58	16.3	2.80	0.74	0.08	0.09	0.48	0.017	0.12	5.4	2.1	8.03	506	0.24	0.03
L842345		0.80	7.2	0.90	0.35	0.06	0.05	0.34	0.009	0.04	3.3	1.0	8.49	462	0.14	0.02
L842346		1.56	6.6	1.25	0.42	0.08	0.10	0.27	0.008	0.05	4.2	1.3	10.05	721	0.11	0.03
L842347		0.74	5.3	0.76	0.34	0.07	0.05	0.24	0.007	0.04	2.8	0.9	8.26	401	0.11	0.02
L842348		1.68	8.7	1.47	0.39	0.07	0.11	0.61	0.012	0.06	4.3	1.3	9.63	526	0.12	0.03
L842349		2.64	82.0	2.34	3.66	0.14	0.22	2.09	0.651	0.15	14.6	7.7	3.27	1600	78.4	0.02
L842350		1.69	6.5	1.43	0.51	0.08	0.13	0.29	0.010	0.06	3.5	1.4	10.55	1150	0.20	0.03
L842351		4.03	10.3	2.08	0.76	0.07	0.12	0.47	0.009	0.10	3.1	2.0	9.64	1200	0.11	0.03
L842352		1.47	7.5	1.38	0.50	0.07	0.09	0.31	0.007	0.05	3.0	1.6	9.88	1020	0.16	0.03
L842353		1.35	6.4	1.28	0.53	0.07	0.08	0.27	0.007	0.05	3.4	1.7	10.90	993	0.11	0.03
L842354		1.44	5.4	0.79	0.49	0.11	0.07	0.26	0.005	0.05	3.8	1.6	10.95	742	0.10	0.03
L842355		0.14	2.1	0.65	0.26	0.12	0.03	0.30	<0.005	0.01	1.1	0.9	10.70	520	0.07	0.02
L842356		0.20	2.5	0.70	0.28	0.12	0.03	0.44	<0.005	0.01	1.4	1.0	11.10	552	0.08	0.02
L842357		0.06	1.7	0.53	0.26	0.14	0.02	0.15	<0.005	0.01	0.6	0.9	11.80	500	0.06	0.03
L842358		0.07	1.7	0.52	0.25	0.14	0.02	0.13	<0.005	0.01	0.5	0.8	11.10	515	0.06	0.03
L842359		0.18	3.6	0.72	0.34	0.14	0.06	0.60	<0.005	0.02	2.5	1.0	11.25	769	0.09	0.03
L842360		0.51	5.8	1.05	0.48	0.11	0.10	1.12	0.005	0.04	4.4	1.6	11.00	971	0.07	0.03
L842361		2.35	8.0	1.31	0.49	0.08	0.17	1.17	0.007	0.05	4.1	1.5	9.18	906	0.13	0.02
L842362		3.68	7.8	1.26	0.54	0.07	0.17	1.07	0.007	0.07	3.0	0.9	6.29	677	0.16	0.02
L842363		0.26	3.0	1.14	0.29	0.09	0.07	0.30	<0.005	0.02	2.1	0.8	10.70	1120	0.13	0.02
L842364		8.46	41.8	2.15	1.51	<0.05	0.10	1.10	0.039	0.13	8.0	6.4	1.15	399	0.49	0.03
L842365		12.55	30.4	3.74	1.55	<0.05	0.14	0.21	0.031	0.18	6.9	7.3	1.01	545	0.21	0.03
L842366		0.32	1.8	0.42	0.12	<0.05	<0.02	0.03	0.006	0.02	0.6	1.5	11.60	193	0.10	0.03
L842367		16.95	34.1	4.72	1.45	<0.05	0.11	0.24	0.043	0.17	6.7	10.2	0.87	695	0.31	0.03
L842368		31.1	23.1	3.81	2.17	<0.05	0.14	0.16	0.023	0.24	3.0	15.7	0.44	296	0.52	0.03
L842369		36.9	31.8	3.59	2.62	<0.05	0.13	0.02	0.021	0.28	3.4	15.1	0.57	186	0.28	0.03
L842370		0.37	5910	5.05	4.13	0.06	0.22	1.21	0.415	0.09	4.1	8.1	0.73	1490	19.30	0.07
L842371		31.8	30.0	3.92	2.58	<0.05	0.13	0.04	0.029	0.27	5.5	10.9	0.63	1030	0.27	0.03
L842372		17.95	27.3	3.94	1.95	<0.05	0.13	0.04	0.026	0.21	5.8	9.8	0.78	924	0.31	0.03
L842373		23.2	27.0	3.90	1.63	<0.05	0.14	0.04	0.028	0.23	5.5	10.0	0.76	1030	0.48	0.03

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





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**CERTIFICATE OF ANALYSIS WH12179908**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842338		0.06	30.7	110	23.2	11.3	<0.001	3.22	0.64	8.1	0.2	0.5	20.4	<0.01	0.07	2.7
L842339		0.06	23.2	140	20.5	10.1	<0.001	2.01	1.23	7.9	0.3	0.4	36.7	<0.01	0.04	2.5
L842340		0.05	26.2	130	19.5	9.5	<0.001	1.96	1.02	7.8	0.2	0.6	27.0	<0.01	0.05	2.4
L842341		0.05	26.0	80	21.3	10.5	<0.001	1.98	0.68	6.7	<0.2	0.5	25.4	<0.01	0.04	2.4
L842342		<0.05	14.3	170	4.0	12.8	<0.001	0.99	0.09	9.2	0.2	0.6	23.7	<0.01	0.05	2.8
L842343		0.16	<0.2	170	1.1	1.2	<0.001	0.05	<0.05	0.4	0.4	<0.2	47.9	<0.01	<0.01	<0.2
L842344		0.13	3.4	510	15.9	5.6	<0.001	2.19	0.53	5.5	0.5	0.3	65.9	<0.01	0.03	2.0
L842345		0.15	<0.2	230	4.2	1.5	<0.001	0.37	0.53	2.6	0.4	0.3	98.9	<0.01	0.02	0.6
L842346		0.18	<0.2	320	7.2	2.1	<0.001	0.58	0.30	3.3	0.4	0.2	111.0	<0.01	0.01	1.1
L842347		0.13	<0.2	200	3.4	1.4	<0.001	0.29	0.38	1.8	0.3	0.3	88.2	<0.01	0.02	0.6
L842348		0.16	<0.2	460	13.3	1.9	<0.001	0.98	0.64	2.8	0.5	0.3	122.5	<0.01	0.01	1.2
L842349		0.20	74.7	1120	18.0	14.9	0.056	0.95	6.89	6.1	3.8	3.3	211	0.01	0.30	3.7
L842350		0.16	<0.2	230	5.2	2.5	<0.001	0.52	0.20	3.4	0.6	0.2	72.0	<0.01	0.01	1.5
L842351		0.14	<0.2	350	14.0	4.4	0.001	1.26	0.44	4.5	0.5	0.3	67.1	<0.01	0.02	2.3
L842352		0.14	<0.2	270	7.6	2.1	<0.001	0.56	0.51	3.2	0.5	0.4	83.8	<0.01	0.01	1.3
L842353		0.16	<0.2	300	8.2	2.2	<0.001	0.55	0.78	2.6	0.5	0.2	75.6	<0.01	0.02	1.2
L842354		0.13	<0.2	420	6.3	1.9	<0.001	0.45	0.46	2.5	0.5	0.2	81.2	<0.01	0.01	1.0
L842355		0.14	<0.2	210	2.1	0.5	<0.001	0.09	0.97	0.5	0.4	<0.2	115.0	<0.01	0.01	0.2
L842356		0.15	<0.2	250	2.9	0.5	<0.001	0.13	1.04	0.6	0.5	<0.2	120.0	<0.01	<0.01	0.2
L842357		0.14	<0.2	150	1.4	0.2	<0.001	0.05	1.52	0.2	0.4	<0.2	102.5	<0.01	0.01	<0.2
L842358		0.14	<0.2	120	1.5	0.3	<0.001	0.05	1.66	0.2	0.4	<0.2	97.5	<0.01	0.01	<0.2
L842359		0.15	<0.2	310	4.5	0.6	<0.001	0.19	1.68	0.9	0.6	<0.2	108.0	<0.01	0.01	0.4
L842360		0.15	0.9	250	7.1	1.4	<0.001	0.42	1.41	2.3	0.7	<0.2	125.0	<0.01	0.02	1.0
L842361		0.15	2.4	270	25.9	2.1	<0.001	0.56	1.64	2.6	0.7	0.3	171.0	<0.01	0.02	1.6
L842362		0.15	3.5	450	14.4	3.0	0.001	0.70	1.12	2.7	0.8	0.2	237	<0.01	0.01	2.1
L842363		0.14	<0.2	110	4.5	0.6	<0.001	0.19	1.02	0.7	0.5	<0.2	93.6	<0.01	0.01	0.4
L842364		<0.05	30.3	90	27.8	8.4	<0.001	0.60	3.71	7.5	0.3	0.6	68.9	<0.01	0.03	4.1
L842365		<0.05	27.7	200	14.4	13.5	<0.001	0.12	0.32	5.5	0.4	0.6	41.2	<0.01	0.03	5.9
L842366		<0.05	1.5	180	1.6	1.4	<0.001	0.01	0.23	0.2	0.2	<0.2	44.2	<0.01	0.01	<0.2
L842367		<0.05	37.2	240	16.4	13.4	<0.001	0.35	0.34	7.4	0.5	0.5	36.6	<0.01	0.02	5.1
L842368		0.13	19.9	260	12.8	25.2	<0.001	0.02	0.54	4.1	0.4	1.0	23.3	<0.01	0.02	5.9
L842369		0.13	26.8	200	12.2	30.2	<0.001	0.01	0.29	3.9	0.4	0.8	22.1	<0.01	0.03	6.2
L842370		0.18	26.2	400	9540	3.4	0.007	2.23	396	4.1	1.3	1.4	25.6	<0.01	0.99	1.0
L842371		0.10	28.1	160	12.9	27.8	<0.001	0.03	0.31	4.2	0.6	0.7	22.3	<0.01	0.02	6.2
L842372		<0.05	28.0	260	21.4	18.5	<0.001	0.28	0.26	4.2	0.4	0.7	22.7	<0.01	0.01	6.2
L842373		<0.05	29.5	220	53.6	17.0	<0.001	0.25	0.30	4.8	0.5	0.7	32.4	<0.01	0.02	5.7



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Ag ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	1
L842338		<0.005	0.66	0.32	6	0.12	2.73	5	6.3	
L842339		<0.005	0.59	0.32	5	0.12	7.37	3	5.0	
L842340		<0.005	0.60	0.29	5	0.09	4.98	3	5.1	
L842341		<0.005	0.61	0.29	5	0.11	3.18	9	5.6	
L842342		<0.005	0.11	0.22	5	0.06	4.13	4	4.6	
L842343		<0.005	<0.02	0.51	1	0.05	0.91	10	<0.5	
L842344		<0.005	0.58	0.34	5	0.06	8.16	3	3.4	
L842345		<0.005	0.20	0.31	2	<0.05	5.08	<2	1.9	
L842346		<0.005	0.20	0.67	3	0.05	5.84	11	4.0	
L842347		<0.005	0.16	0.28	2	<0.05	4.15	<2	1.6	
L842348		<0.005	0.46	0.67	3	<0.05	6.49	8	4.6	
L842349		<0.005	0.87	12.70	147	15.00	23.7	414	10.9	
L842350		<0.005	0.17	0.92	4	<0.05	6.25	2	5.5	
L842351		<0.005	0.37	0.67	5	<0.05	5.95	3	5.1	
L842352		<0.005	0.24	0.65	3	<0.05	5.57	3	3.7	
L842353		<0.005	0.28	0.67	3	<0.05	4.81	<2	2.9	
L842354		<0.005	0.22	0.60	2	<0.05	5.16	<2	2.5	
L842355		<0.005	0.17	0.96	<1	<0.05	2.74	12	1.0	
L842356		<0.005	0.20	1.01	1	<0.05	3.03	22	1.2	
L842357		<0.005	0.15	1.22	<1	<0.05	1.81	6	0.7	
L842358		<0.005	0.13	1.25	<1	<0.05	1.86	<2	0.7	
L842359		<0.005	0.44	2.25	1	<0.05	4.83	3	1.9	
L842360		<0.005	1.08	1.48	3	0.05	6.03	9	3.8	
L842361		<0.005	0.76	1.56	3	<0.05	7.51	28	7.2	
L842362		<0.005	0.78	1.57	3	<0.05	6.39	109	7.3	
L842363		<0.005	0.26	1.44	1	<0.05	2.87	<2	2.6	
L842364		<0.005	0.67	0.60	19	0.18	6.71	50	3.8	
L842365		<0.005	0.21	0.52	15	<0.05	6.34	64	4.9	
L842366		<0.005	<0.02	0.50	2	<0.05	0.81	14	<0.5	
L842367		<0.005	0.16	0.60	20	<0.05	6.53	72	3.8	
L842368		0.019	0.12	0.78	22	0.09	6.64	49	4.5	
L842369		0.018	0.16	1.02	22	0.08	6.50	69	4.2	
L842370		0.079	0.19	0.66	39	0.24	6.44	4840	6.1	100
L842371		0.011	0.15	0.94	18	0.06	6.64	77	4.8	
L842372		<0.005	0.15	0.53	11	<0.05	6.53	80	4.5	
L842373		<0.005	0.14	0.61	13	<0.05	6.91	71	5.1	



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	<b>CERTIFICATE COMMENTS</b>
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Applies to Method:



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

To: **STRATEGIC METALS LTD.**

**C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

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

**Page: 1**

**Finalized Date: 21- AUG- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12181751**

Project: Crag East  
 P.O. No.: Batch 20  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

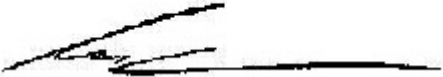
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH12181751**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
L842410		6.98	0.003	0.14	0.46	72.4	<0.2	<10	40	0.80	0.31	3.22	0.03	5.34	13.5	9
L842411		0.26	1.145	0.59	0.53	236	<0.2	<10	90	0.95	7.80	15.75	2.03	23.3	4.4	22
L842412		2.54	0.002	0.06	0.31	37.1	<0.2	<10	40	0.40	0.19	9.00	0.05	6.35	7.7	5
L842413		3.21	0.001	0.10	0.26	55	<0.2	<10	190	0.27	0.09	17.30	0.02	11.45	12.8	5
L842414		1.95	0.002	0.03	0.57	35.5	<0.2	10	80	1.01	0.34	1.71	0.01	7.75	21.1	7
L842415		7.81	0.001	0.02	0.60	11.3	<0.2	10	400	0.90	0.29	1.76	0.01	8.95	14.9	7
L842416		7.74	0.001	0.01	0.62	5.9	<0.2	10	100	1.01	0.28	1.04	0.01	8.15	12.9	8
L842417		7.86	0.001	0.06	0.60	24.1	<0.2	10	120	1.00	0.32	3.78	0.04	15.70	16.0	8
L842418		6.71	0.002	0.03	0.51	23	<0.2	10	60	0.82	0.27	10.35	0.02	11.75	10.2	8
L842419		1.53	0.002	0.05	0.46	21	<0.2	10	50	0.76	0.20	15.85	0.05	20.0	7.9	7
L842420		7.93	0.001	0.04	0.43	14	<0.2	10	90	0.58	0.17	17.05	0.04	15.65	7.0	7
L842421		7.84	0.002	0.05	0.31	8	<0.2	<10	300	0.38	0.10	23.1	0.03	14.60	4.0	4
L842422		8.01	0.002	0.05	0.42	16	<0.2	<10	60	0.68	0.17	17.45	0.04	17.65	7.2	6
L842423		7.83	0.002	0.04	0.43	14	<0.2	<10	50	0.58	0.15	19.05	0.04	18.50	5.9	6
L842424		7.94	0.002	0.04	0.43	12	<0.2	<10	90	0.67	0.18	17.60	0.03	13.75	6.9	5
L842425		7.90	0.001	0.03	0.48	8	<0.2	<10	60	0.73	0.20	15.50	0.02	17.40	8.1	6
L842426		3.65	0.001	0.03	0.48	9	<0.2	<10	120	0.71	0.20	15.30	0.02	18.30	8.4	6
L842427		7.66	0.002	0.04	0.49	14	<0.2	10	110	0.71	0.21	14.60	0.04	13.85	9.2	6
L842428		2.85	0.001	<0.01	0.06	2	<0.2	<10	60	<0.05	0.02	19.00	0.05	1.27	0.8	1
L842429		8.00	0.002	0.05	0.47	12	<0.2	<10	50	0.81	0.22	13.35	0.07	12.15	9.2	5
L842430		0.26	3.88	1.44	0.33	650	<0.2	<10	60	0.31	4.43	2.04	1.86	4.96	7.3	19
L842431		7.29	0.004	0.06	0.66	30.6	<0.2	10	100	1.27	0.31	4.24	0.06	11.05	13.3	9
L842432		6.27	0.001	0.04	0.45	37	<0.2	10	300	0.76	0.20	14.80	0.03	10.10	8.8	5
L842433		<0.02	0.001	0.04	0.43	34	<0.2	<10	150	0.74	0.19	14.15	0.03	10.40	9.2	5
L842434		6.76	0.002	0.04	0.47	39	<0.2	10	30	0.73	0.19	16.10	0.02	11.75	9.6	5
L842435		7.79	0.001	0.04	0.42	31	<0.2	10	40	0.63	0.15	17.85	0.02	11.10	8.0	5
L842436		8.11	0.002	0.03	0.22	11	<0.2	<10	30	0.28	0.06	>25.0	0.02	9.95	3.2	2
L842437		3.53	0.001	<0.01	0.04	4	<0.2	<10	10	<0.05	0.10	18.95	0.05	1.17	0.8	<1
L842438		8.36	0.001	0.05	0.20	17	<0.2	<10	110	0.38	0.07	>25.0	0.03	8.26	2.9	2
L842439		7.76	0.001	0.07	0.43	25	<0.2	10	40	0.68	0.20	18.00	0.03	11.10	8.6	4
L842440		7.94	0.001	0.31	0.51	41	<0.2	10	50	1.11	0.22	13.85	0.03	13.05	9.8	6
L842441		4.31	0.001	0.08	0.49	52.8	<0.2	10	40	1.07	0.27	7.51	0.33	8.40	10.9	6
L842442		3.43	0.001	0.63	0.18	15.9	<0.2	<10	10	0.21	0.07	9.21	0.58	5.03	3.0	6
L842443		7.90	0.002	0.15	0.17	14	<0.2	<10	10	0.18	0.05	12.25	0.66	5.34	1.9	5
L842444		2.04	0.002	0.17	0.34	55.3	<0.2	10	30	0.38	0.14	3.39	1.15	6.03	18.0	7
L842445		2.23	0.001	0.13	0.61	75.4	<0.2	10	50	1.39	0.50	2.80	0.37	15.60	17.8	4



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12181751**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842410		6.84	36.4	3.45	1.23	0.05	0.11	0.84	0.037	0.24	2.3	6.2	1.07	250	0.99	0.02
L842411		2.50	74.4	2.40	3.00	0.09	0.22	1.95	0.631	0.15	15.4	6.4	3.36	1540	72.6	0.02
L842412		3.44	16.3	1.97	0.74	<0.05	0.13	0.55	0.027	0.18	2.4	4.0	0.80	359	0.43	0.02
L842413		1.80	13.5	2.17	0.63	0.05	0.14	0.46	0.020	0.12	3.6	4.9	1.17	875	0.69	0.02
L842414		11.30	47.5	3.02	1.40	<0.05	0.09	0.09	0.035	0.31	3.3	4.8	0.76	255	0.16	0.02
L842415		10.75	30.6	3.86	1.58	0.06	0.09	0.09	0.036	0.31	3.6	5.6	0.91	608	0.19	0.02
L842416		19.15	24.2	3.88	1.76	0.05	0.07	0.03	0.038	0.33	3.7	8.0	0.75	189	0.08	0.02
L842417		18.55	35.9	3.62	1.57	0.06	0.13	0.11	0.039	0.28	6.4	12.0	1.00	734	0.32	0.02
L842418		25.4	29.0	4.11	1.25	0.06	0.11	0.07	0.039	0.25	5.0	14.8	0.89	711	0.21	0.03
L842419		21.6	21.1	2.21	1.02	0.05	0.16	0.16	0.031	0.23	7.7	7.2	1.01	525	0.35	0.03
L842420		14.20	18.3	2.37	0.99	0.05	0.14	0.12	0.026	0.21	6.2	7.7	0.82	485	0.29	0.03
L842421		9.94	14.4	1.46	0.71	<0.05	0.14	0.24	0.018	0.14	6.2	5.2	0.40	208	0.82	0.03
L842422		17.30	19.1	2.16	0.98	0.05	0.15	0.20	0.029	0.21	7.1	6.7	0.70	290	0.51	0.03
L842423		17.00	17.0	2.05	1.01	0.05	0.13	0.11	0.026	0.19	7.3	8.5	0.63	211	0.32	0.03
L842424		14.15	19.4	2.09	1.01	0.05	0.13	0.09	0.028	0.19	5.6	8.7	0.63	250	0.28	0.02
L842425		18.35	27.2	2.68	1.11	0.06	0.12	0.05	0.034	0.22	6.9	9.5	0.75	329	0.10	0.03
L842426		18.35	23.1	2.70	1.16	0.06	0.13	0.06	0.035	0.22	7.2	10.0	0.74	328	0.12	0.03
L842427		24.3	24.0	2.54	1.10	0.06	0.13	0.10	0.035	0.23	5.8	8.3	0.79	359	0.20	0.02
L842428		0.62	4.2	0.46	0.17	<0.05	<0.02	0.02	<0.005	0.04	0.6	1.2	12.40	202	0.09	0.02
L842429		16.95	29.6	2.64	1.08	0.05	0.11	0.19	0.037	0.21	4.7	7.5	0.61	354	0.36	0.02
L842430		1.85	73.4	2.91	1.15	0.07	0.20	5.21	0.145	0.19	2.6	1.8	0.86	288	25.5	0.01
L842431		21.9	38.1	4.09	1.57	0.06	0.08	0.26	0.049	0.28	4.2	13.4	0.77	450	0.51	0.02
L842432		12.00	20.8	2.85	0.97	<0.05	0.10	0.36	0.032	0.23	3.5	7.4	0.77	363	0.24	0.03
L842433		12.15	21.2	2.84	0.93	0.05	0.10	0.36	0.032	0.22	3.6	7.0	0.78	359	0.24	0.02
L842434		10.95	24.5	2.05	1.02	<0.05	0.12	0.45	0.029	0.23	4.2	6.4	0.70	355	0.23	0.03
L842435		11.15	19.7	2.08	0.93	<0.05	0.12	0.25	0.027	0.21	3.8	5.0	0.78	376	0.27	0.03
L842436		6.43	8.9	1.21	0.48	<0.05	0.10	0.22	0.012	0.11	3.8	3.3	0.41	175	0.27	0.03
L842437		0.47	2.1	0.46	0.12	<0.05	<0.02	0.02	<0.005	0.02	0.6	0.9	12.30	205	0.10	0.02
L842438		4.84	7.3	1.31	0.46	<0.05	0.09	0.33	0.015	0.09	3.2	3.3	0.43	241	0.26	0.03
L842439		7.36	21.5	2.29	0.97	<0.05	0.10	0.38	0.034	0.22	4.2	7.5	0.74	291	0.42	0.04
L842440		15.45	29.5	2.70	1.20	<0.05	0.10	0.60	0.043	0.22	5.1	10.4	0.64	268	0.27	0.03
L842441		21.9	32.5	2.88	1.10	<0.05	0.08	1.76	0.045	0.21	3.5	10.8	0.67	262	0.26	0.03
L842442		3.82	8.9	0.90	0.43	<0.05	0.08	0.96	0.011	0.06	2.0	9.1	0.24	216	0.44	0.03
L842443		2.29	5.5	1.13	0.37	<0.05	0.08	1.19	0.009	0.06	1.9	7.9	0.54	385	0.16	0.03
L842444		8.26	19.7	2.58	0.75	<0.05	0.13	1.61	0.030	0.14	2.7	8.0	0.37	161	0.49	0.03
L842445		26.7	52.3	0.84	1.37	<0.05	0.10	1.56	0.031	0.29	7.5	9.9	0.23	102	0.36	0.03



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842410	<0.05	37.5	190	27.5	10.9	0.002	1.93	0.93	5.0	0.7	1.2	107.5	<0.01	0.06	1.9	
L842411	0.07	69.2	1100	18.0	13.4	0.054	0.95	7.15	3.7	3.5	3.0	217	<0.01	0.30	3.4	
L842412	<0.05	16.6	30	18.9	8.0	<0.001	0.98	0.67	2.9	0.5	0.6	178.5	<0.01	0.02	2.0	
L842413	0.05	24.4	1550	19.6	5.3	0.001	1.42	1.04	2.3	0.7	0.2	463	<0.01	0.02	2.1	
L842414	<0.05	34.4	160	9.4	15.5	<0.001	0.41	0.21	7.2	0.3	0.3	51.6	<0.01	0.06	3.0	
L842415	<0.05	24.8	480	6.8	16.2	<0.001	0.17	0.12	6.4	0.3	0.4	59.8	<0.01	0.05	2.9	
L842416	<0.05	25.0	80	3.3	19.6	<0.001	0.05	<0.05	6.6	0.2	0.3	36.4	<0.01	0.06	2.8	
L842417	<0.05	26.8	710	23.6	15.3	<0.001	0.28	0.22	6.5	0.4	0.3	125.5	<0.01	0.07	4.3	
L842418	<0.05	19.6	310	11.0	13.7	<0.001	0.19	0.10	7.9	0.4	0.3	270	<0.01	0.07	3.8	
L842419	0.05	16.3	260	18.1	12.3	0.001	0.51	0.20	5.3	0.7	0.2	635	<0.01	0.06	5.3	
L842420	0.05	13.7	340	11.9	10.6	0.001	0.40	0.14	5.2	0.6	0.2	572	<0.01	0.05	3.9	
L842421	0.06	9.1	610	9.6	7.2	0.001	0.72	0.10	3.3	0.7	0.2	818	<0.01	0.05	3.0	
L842422	0.05	15.9	340	12.6	10.6	0.001	0.93	0.14	5.2	0.8	0.2	608	<0.01	0.07	4.2	
L842423	0.05	11.9	200	11.3	10.5	0.001	0.39	0.11	5.0	0.7	0.2	736	<0.01	0.06	4.0	
L842424	0.05	12.5	200	9.3	10.2	0.001	0.30	0.11	5.3	0.6	0.3	659	<0.01	0.08	3.5	
L842425	0.05	15.7	140	7.7	11.5	<0.001	0.14	0.07	6.5	0.5	0.2	536	<0.01	0.08	4.5	
L842426	0.05	16.3	140	7.5	11.6	<0.001	0.15	0.08	6.8	0.5	0.3	549	<0.01	0.08	4.6	
L842427	<0.05	16.9	220	11.0	12.4	<0.001	0.34	0.12	6.3	0.6	0.3	487	<0.01	0.08	4.3	
L842428	0.07	2.0	180	1.1	2.1	<0.001	0.04	<0.05	0.4	0.2	<0.2	48.4	<0.01	0.01	0.2	
L842429	<0.05	18.8	500	15.5	11.3	<0.001	0.62	0.17	6.2	0.6	0.6	486	<0.01	0.05	3.6	
L842430	0.06	69.2	800	19.7	13.3	0.038	1.93	10.10	2.9	6.6	2.1	32.7	<0.01	0.75	2.1	
L842431	<0.05	25.2	550	20.6	15.6	<0.001	0.28	0.23	7.4	0.6	0.5	166.5	<0.01	0.05	3.9	
L842432	<0.05	19.1	220	11.4	10.8	<0.001	0.53	0.31	5.4	0.5	0.4	500	<0.01	0.06	2.7	
L842433	<0.05	19.5	220	11.6	10.4	<0.001	0.50	0.31	5.4	0.6	0.3	484	<0.01	0.06	2.7	
L842434	0.05	18.5	180	12.9	11.1	0.001	0.53	0.47	5.2	0.7	0.2	562	<0.01	0.06	2.9	
L842435	0.05	17.3	370	12.4	10.0	0.001	0.61	0.30	4.6	0.6	0.2	655	<0.01	0.05	2.9	
L842436	0.07	7.1	280	7.8	5.4	<0.001	0.61	0.23	2.3	0.7	<0.2	1290	<0.01	0.04	1.8	
L842437	0.07	2.4	210	1.2	1.5	<0.001	0.04	<0.05	0.4	0.2	<0.2	45.6	<0.01	0.01	<0.2	
L842438	<0.05	5.9	380	6.4	4.5	0.001	0.60	0.25	2.4	0.6	0.2	1105	<0.01	0.02	1.6	
L842439	<0.05	18.5	130	14.8	9.7	0.001	0.85	0.26	5.5	0.8	0.5	713	<0.01	0.06	2.3	
L842440	<0.05	20.6	400	19.0	11.3	0.001	0.66	0.76	6.8	0.7	0.6	540	<0.01	0.02	3.4	
L842441	<0.05	24.8	120	34.4	11.5	0.001	0.64	8.71	6.9	0.5	0.7	241	<0.01	0.03	3.1	
L842442	<0.05	8.1	20	16.9	3.3	<0.001	0.30	5.44	1.4	<0.2	0.3	303	<0.01	0.01	1.9	
L842443	<0.05	3.7	20	13.6	2.6	<0.001	0.14	4.84	1.3	0.2	0.2	295	<0.01	<0.01	1.8	
L842444	<0.05	32.4	10	25.6	6.4	0.001	2.11	9.99	2.6	<0.2	0.8	75.0	<0.01	0.01	3.9	
L842445	<0.05	31.7	30	37.5	15.8	<0.001	0.45	22.9	4.7	<0.2	0.4	94.7	<0.01	0.05	3.9	

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 Finalized Date: 21- AUG- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12181751**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
L842410		<0.005	0.76	0.46	13	<0.05	5.94	24	4.2
L842411		<0.005	0.83	13.75	141	16.30	20.4	407	9.1
L842412		<0.005	0.45	0.46	8	<0.05	8.19	29	4.1
L842413		<0.005	0.54	1.46	8	0.05	13.95	7	5.5
L842414		<0.005	0.21	0.39	12	<0.05	4.85	27	3.0
L842415		<0.005	0.13	0.51	13	<0.05	7.01	49	3.6
L842416		<0.005	0.09	0.22	14	<0.05	4.17	51	2.4
L842417		<0.005	0.15	1.41	14	<0.05	10.65	83	6.3
L842418		<0.005	0.09	1.01	15	<0.05	11.05	48	4.7
L842419		<0.005	0.14	1.67	12	<0.05	12.10	77	6.9
L842420		<0.005	0.10	1.82	12	<0.05	11.50	46	6.0
L842421		<0.005	0.22	3.85	8	<0.05	9.48	28	6.3
L842422		<0.005	0.15	2.13	11	<0.05	11.85	49	6.5
L842423		<0.005	0.08	2.12	11	<0.05	11.95	47	5.2
L842424		<0.005	0.09	2.75	9	<0.05	12.20	47	5.4
L842425		<0.005	0.07	1.28	11	<0.05	13.00	43	4.4
L842426		<0.005	0.08	1.29	11	<0.05	13.80	40	4.5
L842427		<0.005	0.13	1.46	11	<0.05	12.25	50	5.0
L842428		<0.005	<0.02	0.81	3	0.05	0.85	13	<0.5
L842429		<0.005	0.16	1.10	10	0.06	12.00	54	4.1
L842430		<0.005	2.49	1.97	59	2.65	7.04	137	7.8
L842431		<0.005	0.20	0.57	17	<0.05	8.74	91	3.0
L842432		<0.005	0.22	0.64	10	<0.05	9.35	52	3.7
L842433		<0.005	0.22	0.64	10	<0.05	9.49	56	3.7
L842434		<0.005	0.24	0.96	11	<0.05	9.36	36	4.5
L842435		<0.005	0.25	1.01	10	<0.05	10.40	31	4.6
L842436		<0.005	0.33	1.52	5	0.12	6.53	17	4.0
L842437		<0.005	<0.02	0.42	2	<0.05	0.84	12	<0.5
L842438		<0.005	0.39	1.47	5	0.06	6.52	18	3.6
L842439		<0.005	0.34	0.91	9	<0.05	9.47	59	4.1
L842440		<0.005	0.40	0.71	10	0.27	10.55	63	4.2
L842441		<0.005	0.62	0.49	10	<0.05	7.62	105	3.2
L842442		<0.005	0.24	0.38	4	<0.05	3.38	43	2.5
L842443		<0.005	0.15	0.33	4	<0.05	4.93	55	2.0
L842444		<0.005	0.86	0.39	6	0.05	3.13	85	4.3
L842445		<0.005	0.59	0.55	7	<0.05	4.62	52	4.1





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Page: Appendix 1  
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Finalized Date: 21- AUG- 2012  
Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12181751**

**CERTIFICATE COMMENTS**

Applies to Method:



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Page: 1

**Finalized Date: 23- AUG- 2012**

**This copy reported on**

**19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12183062**

Project: Crag East  
 P.O. No.:  
 This report is for 3 Rock samples submitted to our lab in Whitehorse, YT, Canada on 4- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183062**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt.	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
		0.02	0.001	0.01	0.01	2	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
G286065		0.35	0.002	<0.01	0.08	842	<0.2	<10	20	<0.05	<0.01	17.00	<0.01	4.07	0.8	2
G286068		0.29	0.001	0.14	0.03	39	<0.2	<10	10	0.14	<0.01	16.80	91.9	2.12	1.1	1
G286069		0.39	0.002	0.13	0.04	47	<0.2	<10	20	0.11	0.01	17.00	0.78	2.28	0.8	1

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183062**

Sample Description	Method Analyte Units LOR	ME- MS41 Cs ppm 0.05	ME- MS41 Cu ppm 0.2	ME- MS41 Fe % 0.01	ME- MS41 Ga ppm 0.05	ME- MS41 Ge ppm 0.05	ME- MS41 Hf ppm 0.02	ME- MS41 Hg ppm 0.01	ME- MS41 In ppm 0.005	ME- MS41 K % 0.01	ME- MS41 La ppm 0.2	ME- MS41 Li ppm 0.1	ME- MS41 Mg % 0.01	ME- MS41 Mn ppm 5	ME- MS41 Mo ppm 0.05	ME- MS41 Na % 0.01
G286065		0.12	1.2	0.27	0.23	<0.05	0.05	0.67	<0.005	0.02	1.4	0.6	9.83	360	0.07	0.01
G286068		0.08	17.2	0.73	8.44	0.05	<0.02	68.8	0.235	0.01	1.3	0.5	10.15	806	0.09	0.01
G286069		0.06	1.6	0.49	0.23	<0.05	0.02	2.57	<0.005	0.01	1.4	0.7	10.35	581	0.08	0.02

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183062**

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
G286065		0.05	<0.2	110	2.8	0.7	<0.001	0.05	0.12	0.7	0.3	<0.2	50.0	<0.01	<0.01	0.5
G286068		0.05	<0.2	150	321	0.3	<0.001	0.10	19.25	0.5	2.8	0.8	79.1	<0.01	0.01	<0.2
G286069		0.06	<0.2	320	1820	0.4	<0.001	0.04	15.70	0.5	0.3	<0.2	95.7	<0.01	0.01	0.2

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183062**

Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm	Zn-OG46 Zn %
G286065		<0.005	0.64	1.03	1	<0.05	3.48	<2	1.7	
G286068		<0.005	0.34	0.87	1	<0.05	2.28	>10000	<0.5	2.72
G286069		<0.005	0.07	1.02	1	<0.05	2.25	158	0.8	

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**CERTIFICATE OF ANALYSIS WH12183062**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Page: 1**

**Finalized Date: 22- AUG- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12183063**

Project: Crag East  
 P.O. No.: Batch 19  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Total # Pages: 2 (A - D)  
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 Finalized Date: 22- AUG- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183063**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842374		8.09	0.001	0.06	0.46	12.7	<0.2	10	60	1.21	0.45	0.20	0.01	17.40	17.5	13
L842375		7.71	0.001	0.04	0.51	13.9	<0.2	10	50	0.89	0.28	1.21	0.01	15.50	13.7	14
L842376		4.26	0.001	0.05	0.48	64.6	<0.2	10	540	1.16	0.36	0.64	0.01	7.25	14.7	7
L842377		2.75	0.011	0.03	0.51	3220	<0.2	10	140	1.21	0.38	0.61	0.03	6.04	11.2	8
L842378		6.55	0.001	0.01	0.09	18	<0.2	<10	30	0.08	0.01	19.35	0.36	4.04	1.2	1
L842379		6.29	0.002	0.05	0.26	70	<0.2	<10	60	0.29	0.10	16.90	0.25	10.85	4.8	4
L842380		<0.02	<0.001	0.05	0.31	53	<0.2	<10	70	0.29	0.11	17.60	0.23	12.00	5.6	4
L842381		8.45	0.003	0.03	0.14	55	<0.2	<10	50	0.13	0.02	17.35	0.04	7.65	1.8	3
L842382		0.21	1.140	0.63	0.53	237	<0.2	<10	90	0.85	8.45	16.35	1.95	22.8	4.9	23
L842383		7.43	0.001	0.01	0.08	26	<0.2	<10	20	0.08	0.01	17.20	0.03	3.16	0.7	1
L842384		7.97	0.001	0.01	0.07	15	<0.2	<10	20	0.07	<0.01	17.10	0.06	3.65	0.7	1
L842385		0.20	3.84	1.47	0.36	709	<0.2	<10	30	0.34	4.30	2.13	1.83	4.97	7.8	21
L842386		7.65	0.004	0.04	0.21	56	<0.2	<10	60	0.18	0.03	15.55	2.28	9.53	2.5	4
L842387		8.24	0.002	0.01	0.12	19	<0.2	<10	40	0.14	0.03	17.10	1.49	7.22	2.0	2
L842388		8.20	0.001	0.01	0.24	15	<0.2	<10	60	0.27	0.07	16.05	0.02	11.15	4.1	3
L842389		8.20	0.001	0.01	0.09	14	<0.2	<10	60	0.13	0.02	17.55	0.18	5.68	1.5	1
L842390		7.92	<0.001	0.01	0.10	24	<0.2	<10	30	0.18	0.03	18.05	1.22	4.74	1.3	2
L842391		7.85	0.001	0.02	0.07	17	<0.2	<10	20	0.17	0.02	17.40	0.21	5.76	1.0	1
L842392		7.23	0.001	0.02	0.09	11	<0.2	<10	560	0.21	0.02	17.85	0.03	5.34	1.1	1
L842393		6.74	0.001	0.03	0.09	18	<0.2	<10	40	0.24	0.03	17.40	0.03	3.08	1.3	1
L842394		7.79	0.001	0.02	0.04	6	<0.2	<10	20	0.16	0.01	17.90	0.01	1.71	0.3	1
L842395		7.75	0.001	0.01	0.04	21	<0.2	<10	20	0.25	0.01	19.10	0.01	2.16	0.3	<1
L842396		5.65	0.002	0.05	0.18	54	<0.2	<10	80	0.32	0.05	16.70	0.01	5.74	2.8	2
L842397		4.52	0.001	0.01	0.02	<2	<0.2	<10	10	<0.05	0.02	18.60	0.07	1.08	0.6	<1
L842398		2.10	0.001	0.09	0.33	47	<0.2	<10	80	0.49	0.14	11.40	0.02	8.84	5.6	4
L842399		7.16	0.001	0.08	0.26	57	<0.2	<10	80	0.43	0.11	17.75	0.03	10.40	4.3	3
L842400		3.38	0.001	0.09	0.31	61	<0.2	<10	60	0.42	0.10	18.35	0.02	10.55	4.4	3
L842401		3.70	0.001	0.08	0.32	61	<0.2	<10	80	0.55	0.13	15.65	0.03	13.20	4.4	3
L842402		5.47	0.001	0.06	0.38	36.6	<0.2	<10	120	0.64	0.20	6.67	0.06	13.50	7.0	5
L842403		4.01	0.001	0.01	0.04	<2	<0.2	<10	10	0.05	0.03	18.55	0.05	1.12	0.7	1
L842404		2.46	0.001	0.06	0.43	44.3	<0.2	<10	100	0.68	0.26	3.81	0.04	8.65	7.7	5
L842405		7.95	<0.001	0.09	0.48	72.8	<0.2	<10	50	0.75	0.27	2.21	0.02	9.52	8.9	6
L842406		7.51	0.001	0.03	0.46	71.8	<0.2	<10	30	0.71	0.28	1.78	<0.01	7.19	8.3	7
L842407		7.91	0.001	0.05	0.43	75.6	<0.2	<10	20	0.98	0.35	1.42	0.01	5.80	13.7	6
L842408		7.52	0.001	0.04	0.47	43.5	<0.2	<10	20	1.22	0.34	1.08	0.04	6.43	9.9	6
L842409		7.44	0.001	0.09	0.41	59.6	<0.2	<10	30	1.00	0.38	1.93	0.05	7.13	11.4	6

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



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183063**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L842374		19.70	60.8	4.41	1.72	0.06	0.13	0.12	0.041	0.25	7.6	16.6	0.75	955	0.53	0.01
L842375		11.60	27.9	3.68	1.48	0.05	0.14	0.19	0.031	0.26	6.9	16.0	0.92	688	0.33	0.01
L842376		12.75	70.1	3.28	1.28	0.05	0.12	0.40	0.033	0.31	2.9	5.8	0.52	933	0.80	0.01
L842377		13.35	37.8	4.01	1.43	0.05	0.12	1.65	0.043	0.34	2.3	6.6	0.55	901	0.15	0.01
L842378		0.25	2.5	0.61	0.24	<0.05	0.04	0.82	<0.005	0.02	2.4	2.8	11.35	579	0.08	0.02
L842379		3.23	12.9	1.44	0.77	<0.05	0.20	1.48	0.008	0.11	5.3	1.8	7.29	678	0.21	0.01
L842380		3.81	15.9	1.58	0.87	0.05	0.22	1.64	0.009	0.13	6.0	2.0	7.81	728	0.26	0.02
L842381		0.55	4.2	1.05	0.44	<0.05	0.14	0.61	<0.005	0.05	3.4	1.8	9.89	945	0.11	0.02
L842382		2.77	73.1	2.24	3.13	0.09	0.23	2.10	0.713	0.15	15.3	5.6	3.18	1580	75.9	0.01
L842383		0.15	1.6	0.83	0.26	<0.05	0.05	0.43	<0.005	0.02	1.3	1.6	9.79	986	0.12	0.01
L842384		0.18	1.6	0.50	0.23	<0.05	0.07	0.49	<0.005	0.02	1.5	1.5	9.69	623	0.08	0.01
L842385		1.80	73.7	2.91	1.24	0.07	0.22	5.47	0.167	0.19	2.6	1.8	0.88	317	27.5	0.01
L842386		1.12	5.2	1.00	0.54	<0.05	0.14	4.87	0.008	0.07	4.2	4.0	7.81	653	0.16	0.02
L842387		0.69	3.7	0.68	0.38	<0.05	0.07	2.32	0.008	0.04	4.8	1.3	9.75	500	0.07	0.02
L842388		2.86	6.7	0.80	0.66	<0.05	0.09	0.44	0.010	0.10	8.2	1.8	9.12	391	0.09	0.02
L842389		0.47	3.4	0.51	0.29	<0.05	0.05	0.55	<0.005	0.03	3.9	1.1	10.15	431	0.06	0.02
L842390		0.32	3.1	0.63	0.29	<0.05	0.05	1.88	0.005	0.03	3.0	1.3	10.45	523	0.08	0.02
L842391		0.25	2.6	0.50	0.22	<0.05	0.05	0.38	0.005	0.02	3.6	1.0	10.55	391	0.09	0.02
L842392		0.29	2.8	0.60	0.25	<0.05	0.04	0.15	0.007	0.03	3.6	1.2	10.30	481	0.07	0.02
L842393		0.58	3.5	0.77	0.28	<0.05	0.04	0.24	0.006	0.04	1.9	1.0	10.25	602	0.11	0.02
L842394		0.11	1.7	0.58	0.10	<0.05	0.02	0.07	0.007	0.01	1.0	0.7	10.90	615	0.07	0.02
L842395		<0.05	1.8	0.92	0.10	<0.05	<0.02	0.11	0.005	0.01	1.2	0.9	11.15	872	0.06	0.02
L842396		1.42	8.0	1.33	0.44	<0.05	0.10	0.51	0.010	0.07	2.6	1.5	7.62	804	0.17	0.02
L842397		0.12	1.7	0.42	0.09	0.05	<0.02	<0.01	0.007	0.01	0.5	0.7	11.90	211	0.09	0.01
L842398		6.45	11.6	1.41	0.79	<0.05	0.15	0.92	0.019	0.16	3.2	1.0	1.07	276	0.30	0.01
L842399		4.29	10.5	1.17	0.63	<0.05	0.14	0.54	0.020	0.13	4.0	0.8	0.30	212	0.26	0.02
L842400		3.97	10.2	1.14	0.76	<0.05	0.13	0.50	0.018	0.15	4.0	1.0	0.29	217	0.30	0.02
L842401		5.29	14.2	1.32	0.89	<0.05	0.12	0.46	0.024	0.15	4.4	1.8	0.33	220	0.21	0.02
L842402		7.87	17.4	1.88	0.93	<0.05	0.08	0.92	0.026	0.16	4.2	4.7	0.54	336	0.28	0.02
L842403		0.26	1.7	0.41	0.11	<0.05	<0.02	0.01	0.005	0.02	0.5	0.8	11.60	205	0.08	0.01
L842404		7.67	18.1	2.44	1.05	<0.05	0.10	0.87	0.023	0.17	3.4	10.8	0.70	369	0.30	0.02
L842405		8.21	22.3	2.60	1.22	<0.05	0.09	0.58	0.029	0.21	4.0	6.3	0.62	339	0.25	0.02
L842406		6.02	26.6	2.94	1.22	<0.05	0.08	0.26	0.036	0.23	3.3	4.0	0.67	307	0.18	0.01
L842407		9.37	32.9	3.69	1.13	<0.05	0.08	0.27	0.041	0.21	2.7	4.1	0.79	508	0.36	0.01
L842408		11.75	32.9	2.74	1.21	<0.05	0.09	0.25	0.046	0.23	3.1	5.1	0.61	202	0.37	0.01
L842409		9.69	30.2	3.18	1.14	<0.05	0.10	0.62	0.037	0.20	3.1	4.2	0.67	422	0.45	0.01

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183063**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842374		<0.05	33.1	240	25.7	15.6	<0.001	0.40	0.19	6.6	0.2	0.6	27.4	<0.01	0.01	6.3
L842375		<0.05	25.4	170	15.5	12.4	<0.001	0.25	0.11	4.9	0.2	0.8	56.6	<0.01	0.01	5.9
L842376		<0.05	21.2	170	18.6	15.5	<0.001	0.40	0.68	5.1	0.2	0.5	35.6	<0.01	0.03	3.3
L842377		<0.05	21.6	170	14.6	16.9	<0.001	1.21	9.12	6.2	0.3	0.3	27.6	<0.01	0.03	3.2
L842378		0.05	<0.2	160	8.0	1.0	<0.001	0.13	1.43	0.9	0.3	<0.2	107.5	<0.01	0.01	0.4
L842379		0.05	5.9	350	17.6	4.5	<0.001	0.97	1.86	2.7	0.4	0.4	131.5	<0.01	0.03	2.8
L842380		0.06	7.2	380	21.2	5.3	0.001	1.10	2.16	3.1	0.5	0.5	146.5	<0.01	0.04	3.3
L842381		0.06	<0.2	250	12.4	1.8	<0.001	0.33	2.09	1.3	0.4	<0.2	123.0	<0.01	0.01	1.3
L842382		0.10	70.1	1090	20.4	13.8	0.058	0.91	7.02	4.6	3.0	3.1	209	<0.01	0.30	4.0
L842383		0.05	<0.2	180	8.0	0.7	<0.001	0.06	5.69	0.5	0.2	<0.2	87.3	<0.01	0.01	0.5
L842384		0.05	<0.2	150	9.2	0.6	<0.001	0.07	4.44	0.5	0.2	<0.2	78.9	<0.01	0.01	0.7
L842385		0.06	72.6	880	20.5	13.8	0.037	2.05	10.10	3.7	6.4	2.1	32.2	<0.01	0.77	2.2
L842386		0.05	1.0	170	66.0	2.7	<0.001	0.48	16.25	2.1	0.4	0.2	148.0	<0.01	0.01	1.6
L842387		0.05	<0.2	270	36.7	1.6	<0.001	0.33	2.39	1.8	0.3	<0.2	109.0	<0.01	0.01	0.8
L842388		0.05	2.4	320	9.4	3.7	<0.001	0.63	2.27	2.9	0.3	0.2	76.0	<0.01	0.02	1.8
L842389		0.05	<0.2	260	7.9	1.1	<0.001	0.19	1.98	1.1	0.3	<0.2	88.1	<0.01	0.01	0.5
L842390		<0.05	2.7	280	29.7	1.0	<0.001	0.25	2.77	1.0	0.2	<0.2	96.1	<0.01	0.01	0.5
L842391		<0.05	2.1	420	8.7	0.9	<0.001	0.16	3.29	0.8	0.6	<0.2	99.9	<0.01	0.01	0.4
L842392		<0.05	1.8	220	4.4	1.0	<0.001	0.21	0.72	1.1	0.3	<0.2	120.5	<0.01	<0.01	0.4
L842393		<0.05	2.8	270	6.9	1.2	0.001	0.31	0.78	1.0	0.2	<0.2	107.5	<0.01	0.01	0.4
L842394		<0.05	0.9	190	2.3	0.4	0.001	0.06	0.26	0.2	0.2	<0.2	92.2	<0.01	<0.01	<0.2
L842395		<0.05	0.8	200	1.8	0.2	0.001	0.07	0.51	0.2	0.2	<0.2	127.5	<0.01	0.01	<0.2
L842396		<0.05	7.1	350	11.2	2.6	0.001	0.61	2.49	1.5	0.5	0.4	191.0	<0.01	0.02	1.2
L842397		<0.05	1.9	170	1.3	0.6	<0.001	0.01	<0.05	0.2	0.4	<0.2	50.8	<0.01	0.01	<0.2
L842398		<0.05	14.6	300	22.1	6.8	0.001	1.39	1.36	3.2	0.8	0.6	223	<0.01	0.02	3.3
L842399		<0.05	12.5	320	20.7	5.2	0.002	1.12	0.58	2.5	0.6	0.5	540	<0.01	0.02	2.5
L842400		<0.05	12.1	310	18.6	5.9	0.001	1.05	0.48	2.5	0.9	0.7	576	<0.01	0.03	2.5
L842401		<0.05	12.8	600	19.2	6.7	<0.001	1.00	0.26	3.5	0.7	0.4	536	<0.01	0.02	3.1
L842402		<0.05	16.3	700	23.1	7.4	0.001	1.15	0.20	3.5	0.9	2.0	153.0	<0.01	0.02	3.6
L842403		<0.05	2.0	190	1.3	1.1	0.001	0.02	<0.05	0.3	0.2	<0.2	44.0	<0.01	<0.01	<0.2
L842404		<0.05	20.0	140	29.1	7.8	0.002	1.40	0.34	3.2	0.5	1.5	74.6	<0.01	<0.01	3.0
L842405		<0.05	26.1	1000	26.2	9.9	0.001	0.97	0.56	4.0	0.5	0.5	58.3	<0.01	0.02	3.0
L842406		<0.05	20.4	450	11.1	10.6	<0.001	0.12	0.35	5.0	0.5	0.5	64.3	<0.01	0.06	2.3
L842407		<0.05	29.8	80	14.8	11.1	0.001	0.41	0.44	5.7	0.4	0.6	56.7	<0.01	0.06	2.0
L842408		<0.05	25.3	30	24.7	12.4	0.001	0.63	0.22	4.8	<0.2	0.4	41.7	<0.01	0.06	2.1
L842409		<0.05	28.1	360	26.4	10.8	0.001	1.38	0.49	4.5	0.3	0.9	77.6	<0.01	0.07	2.0

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**CERTIFICATE OF ANALYSIS WH12183063**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L842374		<0.005	0.31	0.69	16	0.06	6.80	75	3.7
L842375		<0.005	0.19	0.59	15	<0.05	5.37	77	4.3
L842376		<0.005	0.28	0.49	8	<0.05	4.90	46	3.4
L842377		<0.005	1.08	0.43	8	0.05	4.53	65	3.8
L842378		<0.005	0.11	1.30	2	<0.05	3.51	38	1.4
L842379		<0.005	0.55	2.18	5	0.05	7.69	278	7.3
L842380		<0.005	0.64	2.54	5	0.06	8.62	252	8.5
L842381		<0.005	0.36	1.43	3	0.05	3.94	14	4.9
L842382		<0.005	1.03	14.85	150	15.55	20.3	417	9.2
L842383		<0.005	0.10	1.13	1	<0.05	2.38	15	1.8
L842384		<0.005	0.07	1.62	1	<0.05	2.43	18	2.2
L842385		<0.005	2.51	1.98	66	2.43	7.54	155	7.7
L842386		<0.005	0.75	1.28	4	0.07	5.44	200	5.0
L842387		<0.005	0.24	0.77	3	<0.05	4.65	106	2.3
L842388		<0.005	0.35	0.81	4	<0.05	5.57	6	3.0
L842389		<0.005	0.11	0.58	2	<0.05	3.59	25	1.4
L842390		<0.005	0.22	0.57	2	<0.05	3.28	120	1.7
L842391		<0.005	0.11	0.65	2	<0.05	3.80	25	1.4
L842392		<0.005	0.12	0.56	2	<0.05	4.23	13	1.2
L842393		<0.005	0.17	1.51	2	0.10	2.53	17	1.4
L842394		<0.005	0.05	1.16	<1	<0.05	1.78	7	0.7
L842395		<0.005	0.06	1.16	<1	<0.05	2.39	8	0.6
L842396		<0.005	0.43	1.63	3	0.05	4.98	28	3.4
L842397		<0.005	<0.02	0.57	1	<0.05	0.78	15	<0.5
L842398		<0.005	0.53	0.88	4	0.06	6.88	15	5.7
L842399		<0.005	0.47	0.87	3	<0.05	6.57	20	5.7
L842400		<0.005	0.44	0.98	3	<0.05	6.97	17	5.4
L842401		<0.005	0.47	0.80	4	<0.05	7.88	34	5.6
L842402		<0.005	0.53	0.34	4	0.05	7.89	73	4.0
L842403		<0.005	<0.02	0.49	1	0.13	0.77	12	<0.5
L842404		<0.005	0.64	0.29	5	<0.05	4.63	60	2.9
L842405		<0.005	0.41	0.35	8	0.05	6.61	60	3.9
L842406		<0.005	0.12	0.35	12	0.06	5.86	37	3.3
L842407		<0.005	0.20	0.28	12	<0.05	4.11	56	3.0
L842408		<0.005	0.32	0.28	10	<0.05	3.33	110	3.4
L842409		<0.005	0.50	0.35	9	<0.05	5.04	75	4.1



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12183063**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12185222**

Project: Crag East 1  
 P.O. No.:  
 This report is for 134 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

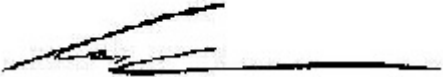
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD008441		0.30	0.002	0.10	1.34	14.4	<0.2	<10	230	1.06	0.27	0.73	0.48	22.7	16.7	27
DD008442		0.33	0.001	0.08	0.88	6.4	<0.2	<10	190	0.80	0.21	0.77	0.16	18.05	9.0	18
DD008443		0.19	0.001	0.09	0.77	12.8	<0.2	10	550	0.81	0.19	2.10	0.66	10.85	11.1	14
DD008444		0.27	0.001	0.04	1.14	8.5	<0.2	<10	170	0.71	0.27	0.56	0.07	12.75	9.7	21
DD008445		0.22	0.001	0.06	1.05	31.0	<0.2	<10	180	0.79	0.30	0.62	0.09	13.70	10.9	18
DD008446		0.23	0.002	0.07	1.26	12.5	<0.2	<10	350	0.88	0.23	0.53	0.23	17.45	9.0	22
DD008447		0.21	0.003	0.24	1.53	36.1	<0.2	<10	260	0.85	0.25	0.50	0.39	24.9	11.8	26
DD008448		0.25	0.001	0.39	1.81	140.5	<0.2	<10	200	1.10	0.26	0.32	0.71	19.45	11.1	28
DD008449		0.22	0.002	0.62	1.81	132.5	<0.2	<10	170	1.03	0.26	1.18	2.32	20.0	12.6	28
DD008450		0.26	0.004	2.83	1.46	594	<0.2	<10	170	1.02	0.24	3.90	15.30	17.65	11.6	22
DD008451		0.24	0.004	2.22	1.80	428	<0.2	<10	180	1.11	0.26	2.46	7.66	23.7	13.2	27
DD008452		0.27	0.003	3.15	1.38	521	<0.2	<10	140	0.82	0.21	6.02	10.20	17.25	11.7	20
DD008453		0.19	0.003	0.63	1.87	223	<0.2	<10	190	1.01	0.28	0.41	5.31	27.8	13.6	30
DD008454		0.24	0.002	1.87	1.22	401	<0.2	<10	120	0.72	0.17	7.48	10.90	14.60	9.4	16
DD008455		0.13	0.002	0.20	0.96	38.9	<0.2	<10	140	1.02	0.33	1.03	0.41	10.45	11.8	18
DD008456		0.24	0.003	1.58	0.76	115	<0.2	<10	130	0.77	0.13	11.80	2.42	9.47	6.4	10
DD008457		0.19	0.003	0.34	1.04	53.8	<0.2	<10	230	1.12	0.33	1.26	0.57	9.70	10.4	18
DD008458		0.17	0.002	0.07	1.06	32.9	<0.2	<10	160	0.88	0.33	0.27	0.30	14.40	13.7	19
DD008459		0.24	0.001	0.43	1.20	69.9	<0.2	<10	200	1.29	0.35	0.62	0.84	12.80	12.9	22
DD008460		0.13	0.002	0.85	0.78	88.3	<0.2	<10	150	0.78	0.22	2.12	0.92	8.68	8.9	15
DD008461		0.26	0.003	0.63	1.16	88.7	<0.2	<10	180	1.15	0.31	0.91	1.22	12.80	12.8	21
DD008462		0.18	0.004	7.09	1.26	709	<0.2	<10	190	0.81	0.19	3.58	14.70	12.75	8.5	17
DD008463		0.18	0.003	1.78	1.42	1145	<0.2	<10	150	0.89	0.24	2.49	7.80	18.65	11.7	21
DD008464		0.18	0.005	3.87	1.32	1115	<0.2	<10	110	0.83	0.24	3.32	11.80	18.75	11.5	20
DD008465		0.23	0.002	0.52	1.25	1230	<0.2	<10	90	0.76	0.25	0.30	5.79	14.15	12.4	22
DD008466		0.21	0.007	0.47	0.98	1620	<0.2	<10	260	0.91	0.25	0.77	1.72	14.40	12.5	17
DD008467		0.15	0.001	0.19	1.25	155.0	<0.2	<10	350	0.86	0.25	1.61	0.33	11.95	9.1	21
DD008468		0.23	0.002	0.21	1.21	291	<0.2	<10	280	0.90	0.28	0.71	0.34	14.50	11.1	22
DD008469		0.24	0.001	0.05	0.47	82.1	<0.2	<10	210	1.00	0.38	0.07	0.03	6.88	15.4	12
DD008470		0.16	0.001	0.04	0.94	9.2	<0.2	<10	110	0.94	0.28	1.05	0.10	17.65	14.1	18
DD008471		0.15	0.003	0.05	1.16	7.4	<0.2	<10	250	0.77	0.22	1.95	0.10	12.45	8.7	18
DD008472		0.28	0.002	0.05	1.25	8.5	<0.2	<10	110	0.75	0.27	2.11	0.11	19.75	13.6	22
DD008473		0.22	0.002	0.13	1.52	13.0	<0.2	<10	140	0.79	0.29	2.91	0.37	21.3	15.0	24
DD008474		0.22	0.001	0.10	1.37	10.1	<0.2	<10	140	0.69	0.25	4.54	0.37	19.60	13.0	23
DD008475		0.25	0.003	0.11	1.45	10.9	<0.2	<10	140	0.71	0.30	4.04	0.34	20.4	13.3	24
DD008476		0.23	0.003	0.08	1.34	9.6	<0.2	<10	130	0.66	0.27	4.10	0.28	19.75	11.7	23
DD008477		0.24	0.002	0.13	1.48	12.5	<0.2	<10	140	0.81	0.33	3.28	0.39	21.2	14.1	25
DD008478		0.27	0.002	0.13	1.42	12.1	<0.2	<10	140	0.78	0.32	3.49	0.39	20.6	13.7	23
DD008479		0.27	0.002	0.13	1.52	13.4	<0.2	<10	130	0.81	0.32	2.33	0.42	23.0	15.1	25
DD008480		0.25	0.002	0.13	1.49	12.2	<0.2	<10	110	0.72	0.32	2.64	0.36	20.5	13.3	25



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 Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD008441		1.37	41.0	4.97	4.84	0.05	0.09	0.11	0.034	0.08	8.9	26.4	0.44	841	0.71	0.01
DD008442		0.71	20.7	2.47	2.98	<0.05	0.05	0.07	0.028	0.08	7.0	18.7	0.35	297	0.50	0.01
DD008443		3.24	30.5	4.19	2.51	<0.05	0.06	0.15	0.031	0.06	4.5	10.1	0.37	1300	0.52	0.02
DD008444		0.89	20.1	3.49	3.96	<0.05	0.03	0.04	0.031	0.05	4.8	23.5	0.33	466	0.53	0.01
DD008445		1.81	26.4	3.39	3.72	<0.05	0.04	0.19	0.032	0.05	6.0	15.9	0.30	451	0.67	0.01
DD008446		0.69	18.5	3.35	4.04	<0.05	0.05	0.07	0.032	0.05	8.4	19.1	0.33	418	0.61	0.01
DD008447		0.62	15.2	3.79	4.89	0.05	0.04	0.76	0.032	0.05	11.3	21.4	0.49	1200	0.69	0.01
DD008448		0.87	14.0	4.39	5.56	<0.05	0.06	10.05	0.035	0.06	11.2	21.6	0.46	997	0.64	0.01
DD008449		0.92	15.1	4.49	5.73	<0.05	0.06	17.20	0.038	0.06	9.6	21.3	0.89	1400	0.67	0.01
DD008450		0.91	22.8	4.40	4.52	0.05	0.06	15.70	0.033	0.05	8.6	15.0	2.26	5820	0.57	0.02
DD008451		0.86	14.7	4.58	5.59	0.06	0.08	9.01	0.039	0.05	11.1	20.7	1.65	4010	0.83	0.02
DD008452		0.65	18.5	3.88	4.30	<0.05	0.06	13.10	0.029	0.05	8.6	19.6	3.78	4880	0.75	0.02
DD008453		0.79	14.9	4.66	5.88	0.05	0.07	4.76	0.042	0.06	12.7	21.2	0.53	2330	0.72	0.01
DD008454		0.58	15.0	3.53	3.59	<0.05	0.06	11.15	0.026	0.05	6.9	13.2	4.41	3940	0.52	0.02
DD008455		1.19	25.6	3.57	3.58	<0.05	0.05	0.48	0.033	0.06	4.6	13.2	0.32	1010	1.35	0.01
DD008456		0.59	14.1	2.51	2.22	<0.05	0.06	4.62	0.019	0.04	6.8	6.2	7.03	2820	0.43	0.02
DD008457		1.60	31.9	3.49	3.90	<0.05	0.06	0.81	0.036	0.07	4.7	13.4	0.38	1290	1.50	0.01
DD008458		1.25	24.8	3.91	3.76	<0.05	0.04	0.40	0.033	0.09	5.9	15.6	0.29	1780	1.87	0.01
DD008459		2.21	38.3	4.26	4.55	<0.05	0.05	0.84	0.036	0.08	5.9	15.8	0.34	2010	1.70	0.01
DD008460		1.46	20.9	3.41	2.71	<0.05	0.04	1.06	0.022	0.05	4.2	9.6	0.73	1320	1.49	0.01
DD008461		2.06	33.0	3.96	4.18	<0.05	0.05	1.36	0.036	0.07	5.4	16.1	0.38	1870	1.24	0.01
DD008462		0.81	22.2	3.16	3.79	<0.05	0.04	8.96	0.030	0.04	6.8	12.9	1.38	2870	0.58	0.02
DD008463		1.00	15.7	3.78	4.43	<0.05	0.05	5.55	0.029	0.06	8.1	16.8	1.30	1940	0.48	0.02
DD008464		1.15	15.5	3.69	4.02	<0.05	0.06	10.20	0.032	0.05	9.4	16.6	1.95	1830	0.61	0.01
DD008465		0.79	11.0	3.85	4.16	<0.05	0.05	2.08	0.030	0.06	5.0	16.8	0.39	1140	0.44	0.01
DD008466		1.26	19.5	3.34	3.42	<0.05	0.05	1.68	0.033	0.06	6.5	14.0	0.47	592	0.45	0.01
DD008467		1.16	21.9	3.04	4.08	<0.05	0.04	0.47	0.028	0.06	5.8	17.5	0.37	501	0.51	0.01
DD008468		1.71	24.7	3.61	4.06	<0.05	0.04	0.84	0.028	0.07	6.2	19.1	0.37	526	0.56	0.01
DD008469		3.06	56.3	4.69	1.91	<0.05	<0.02	0.29	0.047	0.08	2.9	2.3	0.06	209	0.51	0.01
DD008470		1.20	36.2	3.46	3.21	0.05	0.05	0.18	0.030	0.07	7.5	15.7	0.45	714	0.55	0.01
DD008471		0.83	21.2	2.77	3.67	<0.05	0.05	0.18	0.024	0.07	5.5	18.6	0.42	516	0.47	0.02
DD008472		0.80	33.1	3.53	4.42	0.06	0.08	0.16	0.026	0.06	7.9	24.3	0.88	863	0.49	0.01
DD008473		1.04	30.3	3.83	4.72	0.06	0.07	0.13	0.026	0.06	8.8	40.9	1.04	654	1.29	0.01
DD008474		0.98	26.7	3.46	4.37	0.09	0.07	0.15	0.020	0.05	8.2	33.1	1.27	591	1.12	0.01
DD008475		1.01	26.5	3.60	4.65	0.07	0.07	0.04	0.023	0.06	8.9	35.2	1.23	642	1.27	0.01
DD008476		0.87	22.5	3.35	4.10	0.07	0.08	0.04	0.020	0.05	8.4	31.4	1.28	514	1.14	0.01
DD008477		1.02	30.4	3.67	4.50	0.06	0.07	0.08	0.028	0.07	9.1	35.7	1.00	614	1.50	0.01
DD008478		1.05	29.7	3.55	4.40	0.06	0.07	0.07	0.026	0.06	8.7	33.7	1.05	606	1.36	0.01
DD008479		1.06	31.3	3.79	4.80	0.06	0.08	0.08	0.029	0.06	9.5	38.8	0.99	627	1.46	0.01
DD008480		0.91	29.3	3.72	4.41	0.06	0.07	0.07	0.027	0.06	8.8	32.8	1.04	538	1.32	0.01

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD008441		1.37	27.5	670	22.5	9.9	<0.001	0.06	0.20	5.7	1.7	0.5	39.7	<0.01	0.03	4.1
DD008442		0.67	17.8	410	18.6	7.9	0.001	0.07	0.20	4.3	0.6	0.3	30.7	<0.01	0.04	3.7
DD008443		0.59	21.9	670	14.9	9.9	0.002	0.29	0.20	3.5	2.8	0.3	99.9	<0.01	0.04	1.6
DD008444		0.97	19.3	230	20.2	7.1	<0.001	0.02	0.37	3.0	0.6	0.4	27.5	<0.01	0.03	2.5
DD008445		0.71	20.9	220	25.5	7.0	<0.001	0.02	3.21	3.3	0.5	0.4	31.0	<0.01	0.03	2.6
DD008446		0.72	19.7	190	25.4	7.4	<0.001	0.02	1.54	4.3	1.1	0.4	17.7	<0.01	0.01	3.0
DD008447		0.79	23.9	230	38.9	6.3	0.001	0.02	7.47	4.7	1.0	0.4	14.7	<0.01	0.02	3.9
DD008448		0.68	25.8	170	149.0	10.2	<0.001	0.01	64.3	6.0	0.8	0.5	13.1	<0.01	0.03	4.8
DD008449		0.84	27.8	270	129.0	11.2	<0.001	0.02	50.5	6.2	0.9	0.6	15.4	<0.01	0.04	3.9
DD008450		0.57	26.5	460	1285	8.2	<0.001	0.04	434	6.1	1.4	0.5	32.7	<0.01	0.03	2.5
DD008451		0.62	32.0	380	672	10.1	<0.001	0.03	278	6.6	1.4	0.5	19.1	<0.01	0.04	3.5
DD008452		0.47	33.5	550	1010	7.0	<0.001	0.03	286	5.5	1.1	0.4	35.8	<0.01	0.03	2.7
DD008453		0.69	29.6	170	365	11.5	<0.001	0.02	156.5	6.3	1.0	0.5	11.0	<0.01	0.04	4.9
DD008454		0.39	23.5	580	892	7.4	<0.001	0.04	349	4.3	0.9	0.3	44.8	<0.01	0.04	1.7
DD008455		0.44	20.9	460	43.1	9.4	0.001	0.05	7.80	4.0	0.7	0.5	25.2	<0.01	0.05	2.0
DD008456		0.24	19.8	710	154.5	5.1	<0.001	0.03	34.2	3.5	1.2	0.3	44.4	<0.01	0.03	1.2
DD008457		0.33	22.6	590	63.6	9.9	0.001	0.05	7.74	4.0	1.0	0.5	39.0	<0.01	0.04	1.6
DD008458		0.56	21.8	470	39.7	9.6	<0.001	0.02	3.93	4.5	0.7	0.5	20.6	<0.01	0.04	3.1
DD008459		0.42	31.1	440	71.2	12.9	0.001	0.03	9.53	5.2	1.1	0.6	30.6	<0.01	0.04	2.6
DD008460		0.40	19.5	550	88.4	8.0	0.001	0.06	23.5	2.4	0.7	0.4	25.0	<0.01	0.03	0.8
DD008461		0.46	26.9	560	96.4	10.9	<0.001	0.04	33.8	4.3	0.9	0.5	20.2	<0.01	0.02	2.0
DD008462		0.38	18.2	940	717	7.5	<0.001	0.08	200	2.4	1.1	0.4	28.1	<0.01	0.04	0.7
DD008463		0.53	21.0	610	370	13.5	<0.001	0.04	153.5	4.1	1.0	0.5	21.5	<0.01	0.03	1.5
DD008464		0.42	22.8	520	1225	8.1	<0.001	0.04	295	4.5	1.0	0.4	23.4	<0.01	0.03	2.2
DD008465		0.73	18.2	140	330	9.1	<0.001	0.01	121.5	3.2	0.5	0.4	8.7	<0.01	0.01	3.1
DD008466		0.68	19.1	200	106.5	8.7	<0.001	0.02	72.7	5.0	0.7	0.4	16.7	<0.01	0.03	2.6
DD008467		0.61	19.3	610	27.2	8.4	<0.001	0.06	18.55	3.0	0.9	0.4	51.6	<0.01	0.03	1.0
DD008468		0.72	23.0	320	40.4	9.6	<0.001	0.03	51.0	4.1	0.7	0.4	30.1	<0.01	0.03	2.3
DD008469		0.20	20.1	130	21.6	6.3	<0.001	0.02	0.60	5.1	0.7	0.5	19.4	<0.01	0.04	2.7
DD008470		0.89	23.9	410	22.5	6.3	<0.001	0.04	0.73	4.5	0.4	0.4	40.0	<0.01	0.02	2.8
DD008471		0.68	19.0	590	16.0	11.9	0.001	0.08	0.38	2.3	0.6	0.4	71.9	<0.01	0.03	0.9
DD008472		1.15	26.0	490	22.8	5.8	<0.001	0.02	0.34	4.3	0.7	0.4	55.4	0.01	0.03	4.5
DD008473		0.65	32.4	590	23.4	4.9	<0.001	0.04	0.67	4.2	1.0	0.3	73.9	<0.01	0.02	4.8
DD008474		0.62	28.0	640	20.8	4.1	0.001	0.03	0.62	3.5	0.8	0.2	112.0	<0.01	0.02	4.8
DD008475		0.86	32.1	630	22.2	4.8	0.001	0.03	0.64	3.8	0.7	0.3	106.5	<0.01	0.02	5.0
DD008476		0.74	28.5	620	21.3	3.7	<0.001	0.03	0.57	3.2	0.5	0.2	106.5	<0.01	0.02	5.0
DD008477		0.87	33.8	590	27.0	5.3	0.002	0.04	0.75	3.9	1.0	0.3	91.8	<0.01	0.03	4.8
DD008478		0.84	32.8	580	24.9	5.0	<0.001	0.04	0.71	3.8	0.8	0.3	100.0	<0.01	0.03	4.5
DD008479		0.82	36.1	600	27.8	5.4	0.001	0.03	0.74	4.0	0.7	0.3	70.3	<0.01	0.04	5.0
DD008480		0.84	32.7	610	26.1	4.5	<0.001	0.03	0.68	3.8	0.8	0.3	72.4	<0.01	0.04	4.8



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD008441		0.019	0.08	1.92	31	0.12	9.22	99	3.2
DD008442		0.011	0.05	0.62	22	0.08	7.30	55	1.9
DD008443		0.008	0.08	1.76	19	0.05	6.17	118	1.8
DD008444		0.014	0.05	0.39	24	0.08	2.68	57	1.0
DD008445		0.013	0.11	0.53	24	0.09	3.75	74	1.2
DD008446		0.012	0.12	0.61	28	0.11	6.82	114	1.6
DD008447		0.018	0.17	0.76	35	0.14	8.50	208	1.8
DD008448		0.009	0.64	1.00	34	0.12	9.80	665	2.3
DD008449		0.012	0.66	1.29	35	0.14	9.44	1030	2.2
DD008450		0.010	3.07	1.34	30	0.13	11.10	2650	1.5
DD008451		0.013	1.70	1.36	39	0.15	11.50	2000	1.9
DD008452		0.010	3.50	1.19	26	0.13	12.45	1980	1.7
DD008453		0.016	1.15	1.07	41	0.15	9.86	1590	2.6
DD008454		0.009	2.80	0.98	24	0.10	9.94	2490	1.7
DD008455		0.007	0.23	0.94	22	0.07	6.72	176	1.3
DD008456		0.005	0.91	1.26	17	0.10	14.55	454	1.5
DD008457		0.005	0.32	0.90	20	0.08	8.44	233	1.7
DD008458		0.008	0.22	1.11	23	0.07	6.66	187	1.0
DD008459		0.006	0.56	1.25	24	0.10	9.15	311	1.3
DD008460		0.007	0.95	1.02	18	0.10	7.22	346	0.9
DD008461		0.007	0.61	1.31	23	0.09	8.06	407	1.4
DD008462		0.008	1.94	2.64	23	0.09	8.59	3290	1.0
DD008463		0.009	1.02	1.27	27	0.11	7.53	2070	1.1
DD008464		0.008	2.60	1.09	24	0.12	9.62	3250	1.4
DD008465		0.013	0.76	0.47	26	0.10	2.34	1790	1.5
DD008466		0.009	0.33	0.57	19	0.09	7.03	614	1.4
DD008467		0.009	0.11	1.27	24	0.11	5.55	161	1.0
DD008468		0.013	0.18	0.73	25	0.09	4.67	341	1.1
DD008469		<0.005	0.42	0.40	17	0.07	2.81	50	0.8
DD008470		0.013	0.07	0.62	20	0.06	7.47	75	1.7
DD008471		0.010	0.06	1.55	21	0.06	5.70	71	1.1
DD008472		0.029	0.05	0.54	23	0.06	6.60	85	2.6
DD008473		0.012	0.08	0.64	26	<0.05	7.69	129	2.2
DD008474		0.017	0.05	0.67	23	0.05	6.57	115	2.6
DD008475		0.015	0.07	0.73	24	0.05	8.05	115	2.5
DD008476		0.016	0.06	0.73	23	0.05	7.14	111	2.8
DD008477		0.011	0.08	0.89	25	0.05	8.59	124	2.5
DD008478		0.011	0.07	0.79	24	0.05	8.28	121	2.3
DD008479		0.011	0.08	0.79	25	<0.05	8.73	129	2.4
DD008480		0.012	0.07	0.73	24	0.05	8.47	119	2.2



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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD008481		0.18	0.003	0.13	1.44	12.2	<0.2	<10	120	0.72	0.31	3.53	0.50	20.1	13.1	24
DD008482		0.25	0.003	0.12	1.48	12.3	<0.2	<10	120	0.72	0.31	2.83	0.37	21.9	13.6	25
DD008483		0.29	0.003	0.14	1.53	12.6	<0.2	<10	130	0.69	0.31	3.05	0.39	21.9	13.7	25
DD008484		0.16	0.002	0.13	1.50	12.2	<0.2	<10	130	0.84	0.34	3.96	0.43	22.5	14.5	24
DD008485		0.15	0.003	0.14	1.41	15.0	<0.2	<10	140	0.75	0.30	3.24	0.46	21.3	13.4	24
DD008486		0.13	0.002	0.11	1.46	13.5	<0.2	<10	140	0.78	0.32	2.02	0.43	20.9	13.8	24
DD008487		0.19	0.003	0.13	1.53	13.4	<0.2	<10	110	0.86	0.32	1.34	0.38	22.2	14.5	26
DD008488		0.26	0.002	0.12	1.53	11.4	<0.2	<10	100	0.80	0.32	2.29	0.38	22.4	14.0	26
DD008489		0.25	0.001	0.08	1.45	12.2	<0.2	<10	100	0.77	0.30	2.09	0.32	22.5	13.8	25
DD008490		0.17	0.002	0.15	1.47	15.2	<0.2	<10	150	0.76	0.33	3.02	0.42	21.3	14.3	24
DD008491		0.24	0.002	0.14	1.49	15.4	<0.2	<10	120	0.83	0.33	2.39	0.43	24.3	14.4	25
DD008492		0.29	0.002	0.14	1.56	13.6	<0.2	<10	130	0.88	0.33	2.24	0.41	23.5	13.4	25
DD008494		0.17	0.002	0.09	1.40	10.7	<0.2	<10	90	0.74	0.27	2.91	0.30	23.9	13.3	25
DD008495		0.28	0.003	0.13	1.45	11.1	<0.2	<10	120	0.69	0.29	3.94	0.39	23.6	14.2	25
DD008496		0.19	0.003	0.14	1.47	14.4	<0.2	<10	160	0.77	0.33	1.90	0.41	22.1	14.0	25
DD008497		0.17	0.001	0.12	1.34	14.7	<0.2	<10	110	0.73	0.28	2.95	0.30	19.10	12.0	23
DD008498		0.28	0.002	0.13	1.32	23.3	<0.2	<10	160	0.73	0.29	2.87	0.34	20.3	13.4	23
DD008499		0.19	0.002	0.13	1.55	19.0	<0.2	<10	100	0.73	0.32	0.55	0.33	22.8	15.6	28
DD008151		0.16	0.002	0.17	1.51	18.7	<0.2	<10	140	0.94	0.35	0.95	0.60	24.2	15.1	26
DD008152		0.20	0.002	0.11	1.58	15.6	<0.2	<10	100	0.73	0.32	2.05	0.36	23.2	14.3	27
DD008153		0.23	0.002	0.12	1.51	13.4	<0.2	<10	130	0.72	0.31	3.56	0.35	21.3	13.7	24
DD008154		0.25	0.002	0.16	1.63	16.4	<0.2	<10	140	0.97	0.34	0.67	0.57	23.6	14.7	27
DD008155		0.19	0.003	0.11	1.38	12.3	<0.2	<10	110	0.73	0.27	3.32	0.30	20.6	12.6	24
DD008156		0.23	0.002	0.07	1.52	13.6	<0.2	<10	80	0.76	0.32	0.67	0.34	22.5	14.4	27
DD008157		0.20	0.002	0.10	1.43	11.6	<0.2	<10	100	0.77	0.30	2.82	0.37	24.6	13.8	25
DD008158		0.28	0.002	0.11	1.48	11.2	<0.2	<10	120	0.76	0.31	2.46	0.34	27.5	12.7	27
DD008159		0.27	0.003	0.14	1.54	13.5	<0.2	<10	150	0.87	0.31	4.54	0.35	23.3	14.4	25
DD008160		0.26	0.003	0.13	1.54	13.5	<0.2	<10	130	0.83	0.32	2.65	0.40	22.5	15.0	26
DD008161		0.28	0.002	0.10	1.50	10.3	<0.2	<10	120	0.76	0.31	2.21	0.28	23.4	12.8	26
DD008162		0.31	0.001	0.10	1.41	11.8	<0.2	<10	100	0.72	0.28	2.74	0.24	21.9	12.3	25
DD008163		0.39	0.002	0.10	1.40	10.8	<0.2	<10	110	0.70	0.28	3.55	0.32	20.2	13.8	24
DD008164		0.28	0.004	0.11	1.22	12.0	<0.2	<10	260	0.78	0.27	1.56	0.36	19.10	11.2	22
DD008165		0.09	0.005	0.10	0.82	12.9	<0.2	<10	240	0.59	0.16	3.34	0.61	9.62	6.5	12
DD008166		0.21	0.001	0.14	1.22	16.4	<0.2	<10	220	0.85	0.25	1.61	0.29	13.50	9.9	20
DD008167		0.27	0.001	0.14	1.52	47.8	<0.2	<10	280	0.79	0.27	0.74	0.16	20.8	10.9	26
DD008168		0.26	<0.001	0.04	1.52	12.9	<0.2	<10	150	0.55	0.22	0.39	0.09	17.90	8.9	24
DD008169		0.17	0.002	0.06	1.85	23.8	<0.2	<10	190	0.75	0.24	0.29	0.10	19.70	11.1	27
DD008170		0.19	0.002	0.04	1.57	10.0	<0.2	<10	160	0.49	0.24	0.60	0.09	17.00	8.5	25
DD008171		0.19	0.001	0.04	1.65	12.2	<0.2	<10	180	0.42	0.21	0.13	0.09	19.95	8.4	24
DD008172		0.23	0.003	0.10	1.49	21.5	<0.2	<10	230	0.82	0.30	0.73	0.27	18.65	11.4	27



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD008481		1.04	28.1	3.50	4.47	0.07	0.08	0.07	0.026	0.06	8.7	34.1	1.07	431	1.26	0.01
DD008482		1.00	28.7	3.76	4.55	0.07	0.07	0.06	0.023	0.06	8.9	34.7	1.06	652	1.37	0.01
DD008483		1.07	28.5	3.83	4.54	0.05	0.07	0.07	0.025	0.07	9.8	36.2	1.06	547	1.37	0.01
DD008484		1.22	30.1	3.68	4.85	0.05	0.08	0.07	0.028	0.08	10.0	36.5	1.05	632	1.47	0.01
DD008485		1.01	27.7	3.52	4.45	0.06	0.08	0.07	0.026	0.06	9.0	35.2	1.00	569	1.49	0.01
DD008486		1.16	28.6	3.63	4.54	0.06	0.09	0.08	0.029	0.07	8.6	34.3	0.91	572	1.33	0.01
DD008487		0.97	31.1	3.89	4.77	0.06	0.08	0.07	0.027	0.06	9.4	36.5	0.95	573	1.22	0.01
DD008488		0.91	30.5	3.88	4.68	0.07	0.07	0.05	0.027	0.06	9.5	35.7	0.97	673	1.34	0.01
DD008489		0.89	26.2	3.67	4.51	0.06	0.08	0.04	0.026	0.05	9.1	35.0	1.02	613	1.19	0.01
DD008490		1.12	31.0	3.70	4.69	0.05	0.07	0.09	0.028	0.07	8.9	35.5	0.99	602	1.58	0.01
DD008491		1.02	32.0	3.85	4.63	0.07	0.08	0.08	0.029	0.06	9.8	35.9	1.05	653	1.44	0.01
DD008492		1.12	30.4	3.95	4.68	0.06	0.08	0.07	0.027	0.07	9.8	37.1	0.94	574	1.42	0.01
DD008494		0.81	25.8	3.60	4.62	0.10	0.09	0.04	0.022	0.05	10.5	35.9	1.27	557	1.16	0.01
DD008495		0.97	29.3	3.53	4.83	0.08	0.08	0.06	0.026	0.05	10.5	36.8	1.18	579	1.36	0.01
DD008496		1.06	29.7	3.72	4.54	0.05	0.07	0.08	0.027	0.07	9.7	34.4	0.90	724	1.47	0.01
DD008497		0.94	26.2	3.46	4.21	0.06	0.08	0.05	0.021	0.05	8.3	29.9	1.10	503	1.29	0.01
DD008498		1.10	27.6	3.59	4.36	0.06	0.06	0.12	0.026	0.05	8.6	30.6	1.10	602	1.44	0.01
DD008499		0.89	23.5	4.09	4.96	0.07	0.08	0.06	0.029	0.06	9.6	37.2	0.69	740	1.37	0.01
DD008151		1.23	33.0	3.93	4.80	0.06	0.08	0.09	0.029	0.07	10.1	36.3	0.69	785	1.44	0.01
DD008152		0.95	29.9	3.98	4.77	0.07	0.07	0.06	0.024	0.05	10.6	37.2	1.13	666	1.29	0.01
DD008153		1.04	30.5	3.71	4.60	0.05	0.08	0.06	0.026	0.05	9.1	33.5	1.06	520	1.28	0.01
DD008154		1.09	31.2	3.93	5.14	0.06	0.08	0.10	0.031	0.08	9.8	39.1	0.67	327	1.32	0.01
DD008155		0.89	26.8	3.53	4.35	0.08	0.07	2.03	0.023	0.05	9.0	32.7	1.11	634	1.18	0.01
DD008156		0.80	25.8	4.00	4.72	0.08	0.07	0.04	0.025	0.05	9.7	37.1	0.80	662	1.22	0.01
DD008157		0.84	28.9	3.66	4.52	0.07	0.07	0.07	0.024	0.05	10.1	36.2	1.20	599	1.34	0.01
DD008158		0.96	28.8	3.76	4.84	0.06	0.07	0.06	0.028	0.06	12.3	35.6	1.29	435	1.17	0.01
DD008159		1.18	31.8	3.74	4.71	0.05	0.08	0.06	0.029	0.06	9.8	35.5	1.07	580	1.56	0.01
DD008160		1.07	30.4	3.91	4.82	0.06	0.08	0.06	0.026	0.07	10.1	37.5	1.02	795	1.44	0.01
DD008161		0.81	28.2	3.65	4.50	0.06	0.07	0.07	0.024	0.05	9.5	33.2	1.14	479	1.23	0.01
DD008162		0.80	25.8	3.59	4.41	0.06	0.07	0.05	0.024	0.05	9.9	33.5	1.21	441	1.13	0.01
DD008163		1.05	28.4	3.43	4.38	0.09	0.07	0.14	0.024	0.05	9.6	36.1	1.12	487	1.26	0.01
DD008164		0.65	33.7	3.16	3.75	0.05	0.06	0.19	0.029	0.07	9.1	21.1	0.65	550	0.51	0.01
DD008165		0.75	23.7	1.99	2.36	<0.05	0.03	0.16	0.019	0.06	5.2	8.2	0.34	633	0.43	0.02
DD008166		0.92	30.4	2.88	3.84	<0.05	0.04	0.24	0.030	0.07	6.4	17.0	0.35	519	0.44	0.01
DD008167		0.86	24.8	3.72	4.60	0.05	0.05	0.20	0.032	0.05	10.9	27.1	0.52	536	0.56	0.01
DD008168		0.77	8.8	3.40	4.95	<0.05	0.03	0.03	0.024	0.05	8.2	28.7	0.44	385	0.65	0.01
DD008169		1.12	13.8	3.77	4.99	<0.05	0.05	0.54	0.029	0.05	8.9	26.7	0.48	575	0.75	0.01
DD008170		0.80	8.5	3.35	4.86	<0.05	0.02	0.03	0.024	0.05	8.0	30.7	0.49	473	0.74	0.01
DD008171		1.01	7.1	3.56	5.14	<0.05	0.03	<0.01	0.022	0.04	9.5	31.3	0.41	271	0.78	0.01
DD008172		0.94	24.6	3.74	4.42	<0.05	0.04	0.16	0.031	0.08	8.5	21.4	0.47	715	0.79	0.02

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



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD008481		0.86	32.1	630	24.8	5.1	<0.001	0.04	0.65	3.7	0.5	0.3	99.8	<0.01	0.02	4.8
DD008482		0.83	32.9	630	24.9	4.9	<0.001	0.04	0.71	3.7	0.5	0.3	79.7	<0.01	0.04	4.8
DD008483		0.84	32.9	640	26.5	5.0	0.001	0.03	0.71	3.8	0.8	0.3	83.1	<0.01	0.03	5.0
DD008484		0.77	34.6	590	26.1	6.4	0.001	0.04	0.71	4.1	0.9	0.3	113.5	<0.01	0.03	5.4
DD008485		0.86	33.5	610	23.9	5.2	0.001	0.04	0.73	3.7	0.9	0.3	95.0	<0.01	0.02	4.7
DD008486		0.75	33.5	580	25.5	6.0	0.001	0.04	0.69	3.6	0.7	0.3	67.2	<0.01	0.04	4.6
DD008487		0.98	35.1	670	27.2	4.8	0.001	0.03	0.68	3.9	0.8	0.3	39.0	<0.01	0.02	4.9
DD008488		0.90	34.5	620	25.5	4.5	0.001	0.03	0.67	3.8	0.7	0.3	64.3	<0.01	0.01	4.8
DD008489		1.02	32.9	660	24.1	4.5	0.001	0.03	0.64	3.6	0.6	0.3	60.8	<0.01	0.05	4.6
DD008490		0.72	35.6	620	26.9	5.7	0.001	0.04	0.82	4.0	0.9	0.3	93.2	<0.01	0.04	4.9
DD008491		0.94	35.7	670	27.8	4.6	0.001	0.02	0.96	4.0	1.0	0.3	67.0	<0.01	0.03	4.9
DD008492		0.83	33.7	630	27.8	5.4	0.001	0.02	0.82	4.0	0.9	0.3	65.1	<0.01	0.02	5.2
DD008494		0.96	32.6	670	21.5	3.7	0.001	0.02	0.61	3.4	0.4	0.3	73.5	<0.01	0.03	5.2
DD008495		1.10	34.5	650	23.6	4.6	0.001	0.02	0.73	3.9	0.8	0.3	99.2	<0.01	0.03	5.0
DD008496		0.89	34.0	650	26.0	6.1	0.002	0.04	0.78	3.8	0.7	0.3	61.7	<0.01	0.02	4.5
DD008497		0.85	30.0	650	22.3	4.8	0.001	0.04	0.80	3.4	0.8	0.3	84.3	<0.01	0.02	4.4
DD008498		0.84	32.8	610	27.8	5.1	0.001	0.03	1.61	3.7	0.9	0.3	80.3	<0.01	0.03	4.7
DD008499		1.04	34.5	740	26.4	4.7	0.001	0.03	0.83	3.7	0.9	0.3	28.8	<0.01	0.02	4.9
DD008151		0.95	36.6	660	29.5	6.2	0.001	0.04	1.03	4.0	1.0	0.3	42.7	<0.01	0.03	4.7
DD008152		0.88	34.9	650	27.2	4.2	<0.001	0.02	0.87	3.9	0.6	0.3	51.9	<0.01	0.03	5.8
DD008153		0.85	33.3	580	25.7	4.8	0.001	0.02	0.77	4.0	1.0	0.3	95.3	<0.01	0.02	5.1
DD008154		0.84	36.8	630	29.8	6.9	0.001	0.06	1.26	4.5	1.0	0.3	27.7	<0.01	0.02	5.4
DD008155		1.09	31.7	640	23.1	4.4	<0.001	0.03	0.72	3.4	0.8	0.3	84.2	<0.01	0.02	4.5
DD008156		0.99	34.8	660	26.9	4.0	0.001	0.02	0.72	3.6	0.6	0.3	25.1	<0.01	0.02	4.9
DD008157		1.04	34.6	670	25.7	3.8	0.001	0.02	0.72	3.8	0.8	0.3	71.1	<0.01	0.02	5.0
DD008158		1.29	33.4	780	23.3	4.4	0.001	0.02	0.72	3.8	0.8	0.3	56.5	<0.01	0.03	5.8
DD008159		1.07	35.4	640	26.8	6.0	0.001	0.03	0.79	4.2	0.8	0.3	119.5	<0.01	0.01	5.2
DD008160		1.00	36.2	660	26.5	5.5	0.002	0.03	0.73	4.1	0.7	0.3	70.1	<0.01	0.03	5.1
DD008161		1.14	31.7	650	24.2	4.2	<0.001	0.02	0.64	3.6	0.9	0.3	52.4	<0.01	0.02	4.8
DD008162		0.98	30.7	660	22.9	4.3	0.001	0.02	0.98	3.5	0.9	0.3	72.0	<0.01	0.02	4.9
DD008163		0.79	32.4	600	22.6	3.9	<0.001	0.02	0.72	3.9	0.7	0.3	94.1	<0.01	0.03	4.9
DD008164		1.18	25.5	560	27.6	5.8	<0.001	0.04	1.69	4.5	0.7	0.4	50.9	<0.01	0.03	2.8
DD008165		0.52	13.8	690	14.9	7.7	<0.001	0.10	2.37	1.4	0.4	0.3	86.8	<0.01	0.01	0.5
DD008166		0.95	21.0	540	24.0	7.8	<0.001	0.07	1.98	3.2	0.5	0.5	51.7	<0.01	0.04	1.3
DD008167		1.18	25.8	340	25.7	6.3	<0.001	0.01	2.56	4.4	0.6	0.4	26.9	<0.01	0.03	3.3
DD008168		1.06	20.4	180	17.6	9.7	<0.001	<0.01	1.01	2.5	0.6	0.5	16.4	<0.01	0.02	3.2
DD008169		0.80	24.1	160	28.4	9.4	<0.001	<0.01	1.60	3.3	0.2	0.5	15.2	<0.01	0.04	4.1
DD008170		0.89	18.5	360	16.2	8.6	<0.001	0.01	0.48	2.1	0.2	0.5	24.3	<0.01	0.02	1.9
DD008171		1.05	18.6	120	17.2	10.3	<0.001	<0.01	0.62	2.0	<0.2	0.6	8.4	<0.01	0.02	3.3
DD008172		0.90	25.2	440	20.5	8.1	<0.001	0.02	1.51	3.5	0.5	0.6	28.4	<0.01	0.04	2.3



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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD008481		0.011	0.07	0.70	24	<0.05	8.15	131	2.5
DD008482		0.013	0.08	0.76	24	0.05	7.98	127	2.3
DD008483		0.013	0.07	0.75	25	0.05	8.42	130	2.2
DD008484		0.011	0.08	0.82	24	0.05	8.67	128	2.8
DD008485		0.012	0.08	0.77	25	0.07	8.20	124	2.4
DD008486		0.009	0.09	0.78	24	0.05	7.86	131	2.6
DD008487		0.013	0.07	0.75	25	<0.05	8.79	124	2.5
DD008488		0.013	0.07	0.67	25	<0.05	8.40	121	2.3
DD008489		0.014	0.06	0.70	24	0.05	8.03	108	2.5
DD008490		0.009	0.10	0.85	25	0.05	8.83	138	2.4
DD008491		0.014	0.08	0.75	25	0.05	8.91	128	2.4
DD008492		0.011	0.08	0.88	25	0.05	8.66	137	2.6
DD008494		0.020	0.04	0.67	23	<0.05	7.83	102	3.2
DD008495		0.017	0.07	0.77	24	<0.05	8.82	118	2.7
DD008496		0.011	0.08	0.89	25	<0.05	8.31	148	2.4
DD008497		0.012	0.06	0.84	23	<0.05	7.84	114	2.4
DD008498		0.012	0.09	0.74	24	0.05	8.43	122	2.3
DD008499		0.014	0.06	0.78	27	0.05	7.70	142	2.3
DD008151		0.011	0.09	0.87	25	0.05	9.17	146	2.8
DD008152		0.014	0.06	0.64	26	0.05	8.64	125	2.6
DD008153		0.012	0.07	1.13	23	<0.05	8.53	121	2.6
DD008154		0.008	0.09	1.02	27	0.05	9.02	161	2.9
DD008155		0.016	0.06	0.70	23	0.05	7.75	106	2.4
DD008156		0.015	0.05	0.61	26	0.05	7.67	113	2.5
DD008157		0.018	0.07	0.69	25	0.05	8.72	113	2.7
DD008158		0.023	0.06	0.70	26	0.12	9.02	123	3.0
DD008159		0.014	0.08	0.88	26	0.05	9.17	114	2.7
DD008160		0.013	0.08	0.78	25	0.05	8.78	136	2.5
DD008161		0.016	0.06	0.62	26	0.05	8.14	117	2.3
DD008162		0.018	0.05	0.74	24	0.05	8.14	105	2.4
DD008163		0.016	0.06	0.69	24	<0.05	7.72	109	2.8
DD008164		0.016	0.06	0.83	23	0.08	8.88	94	1.7
DD008165		0.008	0.07	1.42	14	0.05	6.08	137	1.0
DD008166		0.011	0.09	0.95	22	0.08	7.02	120	1.1
DD008167		0.017	0.08	0.64	29	0.10	8.04	90	1.5
DD008168		0.016	0.07	0.37	30	0.10	2.31	103	1.1
DD008169		0.009	0.12	0.43	31	0.09	2.93	93	1.8
DD008170		0.020	0.06	0.50	34	0.17	2.44	79	0.6
DD008171		0.016	0.09	0.33	33	0.12	1.97	97	1.1
DD008172		0.018	0.10	0.94	32	0.13	5.55	111	1.0



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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD008173		0.26	0.001	0.05	1.16	17.2	<0.2	<10	160	0.39	0.21	0.17	0.14	20.2	6.1	18
DD008174		0.15	0.002	0.03	1.43	19.1	<0.2	<10	170	0.43	0.22	0.22	0.16	17.85	8.3	24
DD008175		0.15	0.002	0.10	1.18	62.9	<0.2	<10	130	0.83	0.26	0.92	0.19	13.60	9.0	21
DD008176		0.23	0.001	0.05	1.49	58.2	<0.2	<10	140	0.53	0.24	0.53	0.12	18.95	8.9	24
DD008177		0.10	0.001	0.21	1.17	32.7	<0.2	<10	260	0.63	0.21	2.37	0.67	15.45	9.0	19
DD008178		0.30	0.002	0.12	1.36	24.2	<0.2	<10	190	1.06	0.29	0.80	0.19	20.8	14.7	24
DD008179		0.27	0.002	0.28	1.35	40.4	<0.2	<10	170	0.77	0.27	2.74	0.52	21.5	11.7	23
DD008180		0.22	0.001	0.17	1.08	13.1	<0.2	<10	340	0.64	0.20	2.29	0.40	15.25	8.0	17
DD008181		0.11	0.004	0.15	0.56	5.7	<0.2	10	450	0.46	0.08	5.94	0.61	4.22	3.3	7
DD008182		0.38	0.002	0.09	1.42	21.5	<0.2	<10	210	1.02	0.32	0.65	0.15	20.0	11.6	26
DD008183		0.20	0.002	0.10	1.13	24.2	<0.2	<10	140	0.78	0.24	1.13	0.07	22.3	8.2	18
DD008184		0.18	0.002	0.03	1.27	12.6	<0.2	<10	80	0.34	0.20	0.10	0.04	16.05	7.1	22
DD008185		0.22	0.002	0.04	1.40	19.3	<0.2	<10	240	0.47	0.21	1.11	0.16	15.95	7.0	19
DD008186		0.15	0.004	0.15	2.10	65.9	<0.2	<10	340	1.28	0.20	6.67	0.14	28.1	8.1	27
DD008187		0.20	0.005	0.09	0.43	47	<0.2	<10	80	0.39	0.17	15.35	0.13	9.69	8.1	7
DD008188		0.19	0.003	0.03	1.56	25.2	<0.2	<10	240	1.08	0.30	0.20	0.04	24.9	12.0	26
DD008189		0.35	0.004	0.11	1.36	36.3	<0.2	<10	140	0.90	0.25	4.17	0.18	22.0	11.2	20
DD008190		0.15	0.003	0.13	1.23	16.1	<0.2	<10	370	0.78	0.21	2.12	0.18	18.65	8.7	20
DD008191		0.28	0.002	0.14	1.21	32.7	<0.2	<10	130	0.84	0.23	2.88	0.14	18.85	9.5	19
DD008192		0.26	0.003	0.16	1.41	26.9	<0.2	<10	250	0.85	0.25	1.90	0.20	23.4	10.4	23
DD008193		0.32	0.002	0.14	1.06	32.8	<0.2	<10	170	0.72	0.20	3.53	0.27	20.3	8.2	18
DD008194		0.31	0.003	0.07	1.35	33.4	<0.2	<10	200	0.69	0.23	0.45	0.09	24.5	10.2	22
DD008195		0.31	0.004	0.12	1.24	27.9	<0.2	<10	320	0.91	0.24	1.21	0.22	27.2	10.5	20
DD008196		0.36	0.004	0.09	1.47	27.9	<0.2	<10	220	0.80	0.26	0.60	0.08	18.10	8.9	24
DD008197		0.24	0.004	0.04	1.61	24.4	<0.2	<10	280	0.66	0.25	0.34	0.10	21.0	7.7	23
DD008198		0.28	0.002	0.03	1.77	21.7	<0.2	<10	170	0.83	0.24	0.43	0.11	20.7	9.6	26
DD008199		0.28	0.002	0.15	0.99	48.7	<0.2	<10	150	0.86	0.23	0.29	0.15	13.25	10.9	18
DD008200		0.15	0.002	0.10	0.91	52.6	<0.2	<10	180	0.77	0.21	2.15	0.49	13.65	10.3	15
DD008201		0.30	0.003	0.12	0.88	37.6	<0.2	<10	120	0.75	0.21	1.38	0.18	15.65	12.1	16
DD008202		0.19	0.002	0.05	2.03	22.9	<0.2	<10	200	1.04	0.20	3.73	0.23	22.8	9.3	24
DD008203		0.19	0.002	0.06	1.76	59.0	<0.2	<10	140	0.94	0.19	4.05	0.35	19.35	8.2	20
DD008204		0.17	0.002	0.07	1.24	42.0	<0.2	<10	120	0.71	0.18	9.03	0.33	21.9	5.8	17
DD008205		0.18	0.001	0.03	1.46	44.6	<0.2	<10	210	1.00	0.21	0.41	0.10	21.1	9.6	23
DD008206		0.21	0.003	0.03	1.52	27.2	<0.2	<10	210	0.95	0.22	0.41	0.06	22.0	9.4	25
DD008207		0.17	0.007	0.04	1.50	24.8	<0.2	<10	190	0.67	0.21	0.33	0.06	16.50	8.9	23
DD008208		0.18	0.008	0.04	1.33	29.0	<0.2	<10	210	0.83	0.20	0.88	0.20	17.00	9.9	19
DD008209		0.20	0.006	0.05	1.52	46.0	<0.2	<10	180	0.95	0.21	0.61	0.10	19.65	9.2	24
DD008210		0.35	0.002	0.08	1.09	35.4	<0.2	<10	200	0.76	0.21	1.25	0.18	19.80	12.5	19
DD008211		0.14	0.007	0.08	0.65	135.5	<0.2	10	470	0.58	0.14	3.09	0.39	11.15	9.1	11
DD008212		0.09	0.006	0.11	0.58	68.0	<0.2	10	410	0.37	0.09	3.65	0.67	6.86	5.9	7



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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD008173		1.31	6.2	3.12	4.33	<0.05	0.02	0.04	0.021	0.05	9.2	19.5	0.27	257	0.76	0.01
DD008174		1.34	10.2	3.49	4.27	<0.05	0.02	0.02	0.028	0.05	8.1	20.2	0.33	312	0.76	0.01
DD008175		1.77	26.1	3.48	3.58	<0.05	0.05	0.27	0.027	0.09	6.2	17.6	0.40	585	0.45	0.01
DD008176		1.68	8.8	3.62	4.99	<0.05	0.03	0.06	0.026	0.06	9.1	39.1	0.46	325	0.86	0.02
DD008177		4.62	19.2	2.82	3.46	<0.05	0.03	0.27	0.025	0.06	7.2	19.9	0.40	1200	0.44	0.02
DD008178		1.02	35.5	4.04	4.54	0.06	0.06	0.35	0.035	0.08	9.1	20.8	0.56	1070	0.61	0.01
DD008179		0.88	21.0	3.68	4.08	0.05	0.05	0.94	0.030	0.05	10.8	19.6	1.53	1220	0.61	0.02
DD008180		0.80	20.1	2.81	3.04	<0.05	0.03	0.22	0.026	0.05	7.4	13.4	0.30	669	0.61	0.02
DD008181		0.57	26.2	1.00	1.33	<0.05	0.03	0.18	0.010	0.04	2.5	3.4	0.18	240	0.29	0.02
DD008182		1.19	33.4	3.88	4.49	0.05	0.06	0.31	0.033	0.09	9.8	19.7	0.43	665	0.73	0.02
DD008183		1.37	11.4	3.01	2.86	<0.05	0.04	0.34	0.028	0.06	9.3	10.5	0.24	580	0.51	0.01
DD008184		1.47	7.3	3.05	4.05	<0.05	0.04	0.05	0.020	0.06	7.4	17.8	0.31	230	0.51	0.01
DD008185		1.06	9.2	2.70	4.20	<0.05	0.04	0.07	0.024	0.04	7.2	12.1	0.42	889	0.39	0.01
DD008186		0.94	11.7	4.12	4.55	0.05	0.08	0.88	0.035	0.05	14.1	11.5	3.56	2490	0.67	0.03
DD008187		0.95	20.7	2.77	0.97	<0.05	0.05	1.11	0.013	0.03	4.9	2.3	8.81	2100	0.46	0.03
DD008188		1.02	25.8	3.94	4.70	0.05	0.09	0.23	0.030	0.05	11.7	18.6	0.40	658	0.76	0.01
DD008189		0.92	22.5	3.72	3.77	0.05	0.08	0.39	0.028	0.08	10.3	16.4	2.19	1530	0.59	0.02
DD008190		0.72	24.8	2.91	3.35	<0.05	0.04	0.22	0.026	0.07	9.4	15.5	0.59	728	0.59	0.02
DD008191		0.80	20.4	3.32	3.56	<0.05	0.05	0.27	0.023	0.06	9.6	15.5	1.62	814	0.55	0.02
DD008192		0.74	22.2	3.50	4.03	0.05	0.04	0.27	0.030	0.06	11.8	18.8	0.91	969	0.69	0.02
DD008193		0.77	25.3	2.78	2.96	<0.05	0.06	0.45	0.027	0.06	9.8	13.4	1.90	751	0.46	0.02
DD008194		0.87	21.3	3.63	3.85	<0.05	0.04	0.65	0.030	0.05	8.0	14.6	0.36	951	0.62	0.01
DD008195		0.72	28.2	3.27	3.74	0.06	0.05	0.65	0.034	0.05	12.7	17.7	0.67	314	0.56	0.02
DD008196		0.69	23.1	3.64	4.29	<0.05	0.04	0.24	0.030	0.05	10.0	16.7	0.37	504	0.58	0.01
DD008197		0.91	12.5	3.49	5.21	<0.05	0.03	0.08	0.032	0.04	9.1	18.4	0.30	440	0.76	0.01
DD008198		1.04	16.4	3.51	4.86	<0.05	0.03	0.13	0.034	0.05	10.2	22.0	0.42	509	0.85	0.01
DD008199		0.80	40.0	3.54	3.21	0.05	0.06	1.06	0.039	0.04	7.7	14.8	0.29	642	0.52	0.01
DD008200		1.17	23.1	2.83	2.78	<0.05	0.06	0.85	0.041	0.07	6.0	13.0	0.86	677	0.50	0.01
DD008201		0.51	48.2	3.54	2.89	0.05	0.05	0.74	0.035	0.04	7.1	13.9	0.76	978	0.45	0.01
DD008202		1.17	7.4	4.05	5.11	0.05	0.05	0.09	0.035	0.03	12.8	13.5	2.26	1330	0.69	0.01
DD008203		0.67	13.6	3.74	4.40	<0.05	0.05	0.14	0.031	0.03	9.5	14.5	2.48	1690	0.78	0.01
DD008204		0.58	7.8	2.86	3.26	0.05	0.04	0.34	0.026	0.03	20.5	7.3	5.50	843	0.50	0.02
DD008205		0.91	20.5	3.56	4.42	<0.05	0.05	0.18	0.039	0.05	9.7	16.7	0.33	776	0.60	<0.01
DD008206		0.63	23.4	3.58	4.38	<0.05	0.07	0.25	0.033	0.05	13.4	15.2	0.37	611	0.62	<0.01
DD008207		0.85	14.2	3.39	4.36	<0.05	0.04	0.23	0.033	0.04	8.0	17.6	0.37	458	0.71	0.01
DD008208		0.55	22.7	3.16	4.24	<0.05	0.05	0.17	0.033	0.04	7.9	15.8	0.41	754	0.60	0.01
DD008209		0.56	21.3	3.66	4.32	<0.05	0.06	0.40	0.036	0.05	9.2	17.8	0.41	524	0.67	0.01
DD008210		0.57	36.2	3.54	3.40	<0.05	0.05	0.46	0.038	0.04	8.9	15.3	0.67	1220	0.57	0.01
DD008211		4.90	23.2	2.72	2.05	<0.05	0.06	0.40	0.026	0.05	4.8	9.0	0.50	2460	0.40	0.02
DD008212		0.82	23.5	2.62	1.48	<0.05	0.07	0.29	0.014	0.04	3.3	3.8	0.38	391	0.46	0.02





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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD008173		0.87	13.4	140	20.0	9.2	<0.001	<0.01	1.29	1.7	0.2	0.5	10.2	<0.01	0.03	3.3
DD008174		0.98	17.4	170	18.1	10.2	<0.001	<0.01	0.99	2.2	<0.2	0.5	13.9	<0.01	0.02	3.5
DD008175		0.90	20.3	560	22.6	11.7	<0.001	0.05	1.51	3.7	0.8	0.5	29.2	<0.01	0.03	2.3
DD008176		0.91	20.6	220	16.7	12.5	<0.001	0.01	0.52	2.3	0.3	0.6	27.1	<0.01	0.02	2.7
DD008177		0.76	20.4	890	21.0	16.3	<0.001	0.14	1.76	2.3	0.9	0.4	106.0	<0.01	0.03	0.7
DD008178		1.40	28.3	380	30.7	7.7	<0.001	0.01	2.18	5.5	0.6	0.7	30.9	<0.01	0.04	3.9
DD008179		1.17	24.4	660	45.9	6.9	<0.001	0.03	7.67	4.2	0.6	0.5	43.3	<0.01	0.03	2.3
DD008180		0.69	17.7	710	18.2	6.6	<0.001	0.09	1.23	2.2	1.1	0.4	132.0	<0.01	0.02	1.0
DD008181		0.22	13.4	750	6.5	3.8	<0.001	0.14	1.05	0.6	1.1	0.4	376	<0.01	0.01	0.2
DD008182		1.19	29.0	460	27.9	8.0	<0.001	0.01	1.23	5.6	0.8	0.8	36.4	<0.01	0.04	4.5
DD008183		0.69	19.3	230	22.3	5.8	<0.001	0.02	0.88	3.9	0.4	0.4	44.8	<0.01	0.03	3.8
DD008184		1.26	15.6	160	15.3	9.1	<0.001	<0.01	0.51	2.0	<0.2	0.5	8.0	<0.01	0.02	3.0
DD008185		1.04	13.4	290	24.5	6.2	<0.001	0.02	0.95	2.5	<0.2	0.6	15.3	<0.01	0.03	1.8
DD008186		0.73	22.1	550	40.2	7.8	<0.001	0.03	3.43	5.5	1.2	0.6	28.5	<0.01	0.03	3.2
DD008187		0.11	18.0	440	33.9	4.1	<0.001	0.04	7.16	2.5	0.6	0.3	37.9	<0.01	0.12	1.9
DD008188		0.88	24.2	110	26.3	9.1	<0.001	<0.01	1.18	5.6	0.9	0.7	11.6	<0.01	0.04	5.0
DD008189		1.00	23.8	870	28.8	7.5	<0.001	0.03	2.50	4.3	0.7	0.5	43.8	<0.01	0.04	2.7
DD008190		0.99	20.7	550	19.3	6.2	<0.001	0.04	1.22	3.4	1.0	0.5	57.5	<0.01	0.02	1.5
DD008191		1.10	20.0	610	26.4	7.1	<0.001	0.02	1.64	4.6	0.9	0.5	28.1	<0.01	0.04	3.3
DD008192		0.92	22.8	600	22.6	6.9	<0.001	0.03	1.48	4.0	0.7	0.5	33.0	<0.01	0.04	2.0
DD008193		0.93	19.1	640	26.8	5.4	<0.001	0.03	1.63	3.9	0.5	0.5	30.8	<0.01	0.03	3.2
DD008194		1.03	18.7	240	26.9	7.1	<0.001	0.01	1.22	3.7	0.5	0.6	15.4	<0.01	0.04	3.5
DD008195		1.01	23.1	460	28.9	6.6	<0.001	0.02	1.23	5.0	0.8	0.5	23.7	<0.01	0.03	3.2
DD008196		1.10	20.2	280	23.6	8.0	<0.001	0.01	1.01	4.5	0.5	0.6	25.8	<0.01	0.03	3.2
DD008197		1.13	16.4	210	26.6	10.6	<0.001	<0.01	1.24	3.1	0.4	0.7	18.0	<0.01	0.02	3.1
DD008198		1.20	23.5	240	20.1	10.5	<0.001	0.01	1.06	3.7	0.5	0.6	18.6	<0.01	0.04	3.3
DD008199		0.70	24.7	230	45.8	5.2	<0.001	0.01	6.90	6.3	0.8	0.5	16.8	<0.01	0.02	3.6
DD008200		0.51	21.1	510	24.5	9.3	0.003	0.14	0.81	4.1	1.0	0.5	40.3	<0.01	0.02	2.3
DD008201		0.87	23.1	450	32.7	4.9	<0.001	0.02	1.71	6.0	0.4	0.4	31.4	<0.01	0.02	3.1
DD008202		0.97	18.6	570	19.1	9.4	<0.001	0.04	0.73	3.9	0.7	0.6	21.1	0.01	0.02	1.6
DD008203		0.69	17.3	620	21.9	6.4	0.001	0.04	2.46	3.1	0.4	0.6	21.1	<0.01	0.02	1.3
DD008204		0.49	10.5	730	18.1	5.6	<0.001	0.04	2.02	3.0	0.5	0.5	44.6	<0.01	0.03	1.2
DD008205		1.37	20.8	160	26.2	10.2	<0.001	0.01	1.45	5.5	0.4	0.7	19.5	<0.01	0.03	4.0
DD008206		0.99	24.1	160	23.5	7.8	<0.001	0.01	1.22	5.9	0.6	0.6	18.0	<0.01	0.02	4.4
DD008207		1.10	20.2	160	23.1	11.1	<0.001	0.01	1.31	3.7	0.2	0.6	15.8	<0.01	<0.01	3.6
DD008208		1.19	19.6	270	29.2	5.8	<0.001	0.02	3.35	4.2	0.5	0.5	32.4	<0.01	0.04	2.3
DD008209		1.17	22.5	210	37.0	7.2	0.001	0.02	5.36	5.1	0.7	0.6	24.4	<0.01	0.02	3.6
DD008210		0.93	26.0	410	28.4	6.2	<0.001	0.02	1.66	5.7	1.0	0.5	30.0	<0.01	0.02	2.4
DD008211		0.45	16.3	730	15.6	8.9	0.007	0.30	4.71	2.9	1.2	0.4	103.5	<0.01	0.02	1.3
DD008212		0.31	16.9	700	8.3	4.3	0.002	0.40	0.95	1.8	1.2	0.3	95.9	<0.01	0.04	0.6



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD008173		0.016	0.09	0.33	31	0.16	1.89	104	0.9
DD008174		0.014	0.10	0.33	35	0.12	2.05	129	1.1
DD008175		0.013	0.13	0.83	24	0.08	6.93	107	1.2
DD008176		0.017	0.10	1.05	34	0.13	3.17	70	0.9
DD008177		0.014	0.11	1.19	25	0.07	6.80	141	0.9
DD008178		0.019	0.10	0.55	27	0.12	9.47	110	1.9
DD008179		0.021	0.20	0.78	28	0.16	9.46	234	1.2
DD008180		0.013	0.07	2.70	24	0.11	7.17	81	1.0
DD008181		0.005	0.04	2.06	8	0.05	4.08	25	0.9
DD008182		0.015	0.10	0.72	28	0.11	10.85	104	2.3
DD008183		0.010	0.15	0.50	25	0.11	7.80	44	1.4
DD008184		0.016	0.11	0.29	30	0.10	1.85	49	1.3
DD008185		0.012	0.10	0.78	31	0.12	4.08	70	1.0
DD008186		0.008	0.25	1.84	39	0.14	18.40	78	2.0
DD008187		<0.005	0.37	1.00	10	0.08	6.34	22	1.2
DD008188		0.017	0.11	0.72	34	0.11	7.90	79	3.7
DD008189		0.012	0.16	0.85	26	0.10	12.25	77	2.0
DD008190		0.013	0.09	1.56	25	0.09	9.66	67	1.3
DD008191		0.013	0.12	0.90	25	0.11	10.40	77	1.7
DD008192		0.017	0.10	0.75	32	0.14	11.50	76	1.1
DD008193		0.014	0.16	0.91	23	0.15	9.67	109	1.7
DD008194		0.014	0.12	0.63	29	0.18	4.44	81	1.2
DD008195		0.016	0.08	0.69	28	0.11	11.30	89	1.5
DD008196		0.015	0.09	0.79	31	0.10	7.83	73	1.1
DD008197		0.014	0.13	0.55	40	0.14	4.21	70	1.3
DD008198		0.014	0.11	0.56	36	0.15	5.39	95	1.3
DD008199		0.010	0.27	0.56	21	0.08	10.25	128	1.8
DD008200		0.006	0.24	0.99	20	0.07	8.26	170	1.5
DD008201		0.013	0.08	0.53	18	0.06	9.81	111	1.6
DD008202		0.014	0.14	1.34	45	0.15	12.30	67	1.5
DD008203		0.012	0.18	0.93	36	0.12	10.45	97	1.4
DD008204		0.010	0.13	1.44	30	0.08	11.65	70	1.1
DD008205		0.013	0.10	0.66	28	0.08	8.13	75	1.9
DD008206		0.012	0.12	0.92	31	0.11	12.85	68	2.2
DD008207		0.013	0.12	0.71	30	0.12	4.69	72	1.5
DD008208		0.012	0.11	0.61	27	0.09	6.87	104	1.2
DD008209		0.011	0.16	1.00	29	0.09	7.95	96	1.7
DD008210		0.013	0.09	0.58	22	0.08	11.60	93	1.2
DD008211		0.007	0.26	2.94	14	<0.05	6.89	74	1.9
DD008212		0.008	0.08	5.34	12	<0.05	4.80	72	2.4



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD008213		0.16	0.002	0.12	1.01	64.1	<0.2	<10	220	0.90	0.22	1.47	0.59	14.50	11.1	17
DD008214		0.12	0.002	0.13	0.79	46.2	<0.2	<10	240	0.82	0.22	2.57	0.56	11.90	10.3	14
DD008215		0.12	0.003	0.14	0.87	46.1	<0.2	<10	290	0.84	0.21	2.07	0.59	11.40	11.4	14
DD008216		0.27	0.002	0.05	1.36	37.9	<0.2	<10	160	0.95	0.25	0.62	0.10	18.20	12.3	22
DD008217		0.18	0.002	0.08	1.48	24.6	<0.2	<10	240	0.84	0.22	1.09	0.17	22.1	8.9	23
DD008218		0.23	<0.001	0.12	0.45	11.5	<0.2	<10	100	0.69	0.28	0.69	0.12	11.85	6.9	7
DD008219		0.23	0.006	0.03	1.01	25.3	<0.2	<10	140	0.95	0.20	0.32	0.06	17.20	8.1	15
DD008220		0.24	0.004	0.13	0.81	51.5	<0.2	<10	190	0.89	0.22	2.74	0.49	13.60	12.7	14
DD008221		0.17	0.003	0.10	0.83	45.8	<0.2	<10	210	0.72	0.19	2.98	0.31	14.85	9.7	14
DD008222		0.17	0.003	0.10	1.26	53.3	<0.2	<10	260	0.98	0.24	0.86	0.36	15.65	12.6	18
DD008223		0.16	0.002	0.11	0.71	77.8	<0.2	<10	400	0.67	0.18	3.32	0.58	11.45	11.7	12
DD008224		0.17	0.001	0.10	0.82	42.7	<0.2	<10	260	0.80	0.21	1.70	0.26	13.05	12.1	13
DD008225		0.19	0.003	0.14	1.14	27.9	<0.2	<10	190	0.78	0.22	1.72	0.28	17.65	9.2	18
DD008226		0.18	0.002	0.11	0.82	18.9	<0.2	<10	240	0.56	0.17	2.64	0.36	13.85	6.7	13



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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD008213		2.85	37.0	2.75	3.07	<0.05	0.06	0.61	0.030	0.08	6.6	11.9	0.36	274	0.85	0.01
DD008214		1.37	28.6	2.84	2.37	<0.05	0.05	4.34	0.030	0.08	5.5	9.4	0.83	586	1.01	0.01
DD008215		1.30	26.3	2.80	2.54	<0.05	0.05	0.43	0.027	0.08	5.1	9.3	0.35	812	1.01	0.01
DD008216		0.59	27.4	4.00	4.07	<0.05	0.08	0.46	0.042	0.04	9.0	13.7	0.48	970	0.61	0.01
DD008217		0.57	19.9	3.20	4.43	0.06	0.05	0.13	0.034	0.05	12.4	18.4	0.48	415	0.69	0.01
DD008218		6.40	19.1	2.63	1.24	<0.05	0.03	0.67	0.031	0.07	5.3	5.4	0.15	183	0.61	0.01
DD008219		0.95	13.9	3.23	2.71	<0.05	0.05	0.35	0.032	0.05	8.8	8.7	0.20	419	0.56	0.01
DD008220		2.20	30.8	2.97	2.49	<0.05	0.05	0.68	0.028	0.09	6.1	10.7	1.27	774	1.13	0.01
DD008221		1.57	26.9	2.84	2.47	<0.05	0.04	0.96	0.030	0.07	6.9	11.1	1.20	664	0.90	0.01
DD008222		1.41	25.4	3.45	3.81	<0.05	0.05	0.51	0.035	0.07	6.6	13.3	0.26	1340	1.07	0.01
DD008223		2.30	27.2	3.53	2.07	<0.05	0.05	0.63	0.025	0.08	5.4	8.6	1.34	2540	1.15	0.01
DD008224		1.57	23.7	3.17	2.33	<0.05	0.04	0.32	0.031	0.06	5.8	10.1	0.33	2600	0.57	0.01
DD008225		1.43	22.2	3.02	3.04	<0.05	0.04	0.28	0.027	0.06	8.1	15.0	0.50	610	0.61	0.01
DD008226		0.60	20.5	2.29	2.10	<0.05	0.03	0.32	0.021	0.04	6.2	9.1	0.44	530	0.45	0.01

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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
DD008213		0.48	25.2	630	25.1	12.8	0.001	0.09	1.03	4.0	1.1	0.5	41.0	<0.01	0.02	1.6
DD008214		0.31	24.7	600	22.3	7.3	0.001	0.05	1.01	3.6	0.9	0.4	40.3	<0.01	0.03	1.5
DD008215		0.35	24.8	560	21.2	9.1	0.001	0.07	1.00	3.2	0.8	0.5	41.7	<0.01	0.02	1.1
DD008216		0.77	26.5	200	22.7	6.7	<0.001	0.01	0.81	5.9	0.6	0.5	11.0	<0.01	0.02	3.7
DD008217		1.03	24.4	280	21.3	9.7	<0.001	0.03	0.71	4.9	0.7	0.6	35.0	<0.01	0.01	2.8
DD008218		0.25	19.9	180	40.1	8.0	0.001	0.03	0.35	3.9	0.4	0.5	22.2	<0.01	<0.01	2.6
DD008219		0.78	19.6	110	22.9	6.3	<0.001	0.01	0.52	4.6	0.4	0.5	16.3	<0.01	0.03	4.1
DD008220		0.34	28.4	620	24.5	9.4	0.001	0.06	0.99	4.2	1.0	0.4	30.5	<0.01	0.03	2.0
DD008221		0.45	22.7	590	22.6	8.4	<0.001	0.06	0.97	3.7	0.6	0.4	42.8	<0.01	0.03	1.8
DD008222		0.62	24.5	320	27.2	9.2	<0.001	0.03	0.98	4.5	0.5	0.6	25.2	<0.01	0.02	2.5
DD008223		0.28	28.5	610	22.1	8.8	0.001	0.11	1.21	3.6	0.8	0.4	60.9	<0.01	0.03	1.8
DD008224		0.43	23.9	470	24.3	8.5	<0.001	0.06	0.86	2.9	1.0	0.4	57.2	<0.01	0.02	1.0
DD008225		0.53	25.2	610	24.1	9.9	<0.001	0.06	0.84	2.9	1.2	0.5	56.0	<0.01	0.02	1.1
DD008226		0.36	18.4	680	17.1	5.6	0.001	0.09	0.63	1.6	1.0	0.3	98.3	<0.01	0.02	0.5

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**CERTIFICATE OF ANALYSIS WH12185222**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD008213		0.006	0.15	3.42	24	0.07	9.11	212	1.4
DD008214		0.005	0.17	1.34	23	0.06	9.06	132	1.3
DD008215		<0.005	0.14	2.36	24	0.06	7.62	149	1.2
DD008216		0.010	0.10	0.81	29	0.10	10.10	76	2.1
DD008217		0.017	0.12	0.86	33	0.11	12.85	83	1.3
DD008218		0.005	0.19	0.94	10	<0.05	5.56	62	1.3
DD008219		0.009	0.11	0.65	20	0.06	7.87	65	1.7
DD008220		0.005	0.21	1.31	23	0.05	9.31	132	1.7
DD008221		0.007	0.17	2.00	22	0.06	9.28	116	1.4
DD008222		0.007	0.15	1.19	31	0.08	7.63	120	1.5
DD008223		<0.005	0.20	4.41	21	0.05	8.62	170	1.4
DD008224		0.007	0.10	2.37	16	0.05	8.04	82	1.2
DD008225		0.012	0.09	2.94	23	0.12	8.64	81	1.0
DD008226		0.008	0.06	4.01	17	0.06	7.01	65	0.9

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**CERTIFICATE OF ANALYSIS WH12185222**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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To: **STRATEGIC METALS LTD.**

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**Finalized Date: 24- AUG- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12185226**

Project: Crag East  
 P.O. No.: Batch 21  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 7- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12185226**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
L842446		4.22	<0.001	0.04	0.21	29.0	<0.2	<10	20	0.31	0.10	8.84	0.04	4.76	8.0	5
L842447		8.02	<0.001	0.02	0.12	12	<0.2	<10	10	0.14	0.03	10.20	0.05	4.00	2.4	6
L842448		7.94	<0.001	0.02	0.13	10.5	<0.2	<10	10	0.14	0.03	6.30	0.01	4.87	2.8	9
L842449		5.36	<0.001	0.22	0.17	14.7	<0.2	<10	120	0.19	0.06	4.05	0.11	5.24	4.1	8
L842450		2.33	<0.001	0.09	0.31	38.8	<0.2	<10	110	0.47	0.17	6.07	0.44	5.12	12.0	6
L842451		1.09	<0.001	0.06	0.25	28.8	<0.2	<10	110	0.37	0.12	7.99	0.30	4.75	8.5	5
L842452		8.33	<0.001	0.06	0.37	43.6	<0.2	<10	60	0.71	0.14	9.48	0.09	7.70	12.3	6
L842453		8.70	<0.001	0.04	0.27	23	<0.2	<10	270	0.68	0.13	14.30	0.02	11.40	8.7	4
L842454		8.51	<0.001	0.07	0.50	25	<0.2	<10	90	1.16	0.24	11.55	0.04	15.25	12.3	6
L842455		8.39	<0.001	0.04	0.31	21	<0.2	<10	40	0.68	0.12	17.90	0.03	13.00	7.4	4
L842456		8.62	<0.001	0.03	0.25	31	<0.2	<10	30	0.38	0.09	11.55	0.03	6.94	5.2	4
L842457		7.80	<0.001	0.05	0.26	104.5	<0.2	<10	20	0.40	0.11	7.79	0.62	7.02	7.3	7
L842458		2.40	<0.001	0.04	0.19	97.6	<0.2	<10	10	0.18	0.05	4.55	1.35	3.69	3.1	8
L842459		<0.02	0.001	0.04	0.16	119.0	<0.2	<10	10	0.19	0.05	5.03	0.92	3.31	3.0	7
L842460		4.94	<0.001	0.01	0.14	28.2	<0.2	<10	10	0.13	0.04	1.96	0.15	5.52	2.1	12
L842461		7.94	<0.001	0.09	0.13	32.2	<0.2	<10	40	0.14	0.06	2.18	0.22	5.41	2.2	11
L842462		7.81	0.001	0.05	0.16	31.9	<0.2	<10	10	0.20	0.07	2.34	0.22	5.62	2.8	11
L842463		7.46	<0.001	0.05	0.29	135.0	<0.2	<10	30	0.41	0.12	3.64	1.10	9.22	4.6	10
L842464		6.29	<0.001	0.04	0.26	186.0	<0.2	<10	20	0.43	0.12	2.05	0.13	8.26	6.2	11
L842465		1.49	<0.001	0.10	0.43	223	<0.2	<10	30	1.70	0.52	0.61	0.42	12.35	21.8	7
L842466		5.53	<0.001	0.01	0.03	<2	<0.2	<10	10	<0.05	0.04	19.60	0.05	1.10	0.7	1
L842467		8.06	<0.001	0.05	0.41	129.0	<0.2	<10	80	1.20	0.43	2.22	7.95	13.05	18.1	7
L842468		0.20	1.220	0.68	0.50	239	<0.2	<10	90	1.06	8.94	16.40	2.21	24.4	4.7	23
L842469		8.49	<0.001	0.08	0.53	53.8	<0.2	<10	70	1.14	0.41	1.83	0.67	13.35	15.3	10
L842470		8.15	<0.001	0.07	0.45	30.1	<0.2	<10	110	1.54	0.45	0.58	0.02	13.10	18.9	7
L842471		7.88	<0.001	0.05	0.56	11.4	<0.2	<10	90	1.35	0.39	0.83	0.03	12.10	16.2	8
L842472		8.42	<0.001	0.06	0.50	23.4	<0.2	<10	80	1.35	0.53	0.74	0.01	11.45	20.1	7
L842473		8.42	<0.001	0.06	0.52	35.6	<0.2	<10	100	1.54	0.47	1.57	0.13	10.95	18.9	7
L842474		3.19	<0.001	0.06	0.43	44.7	<0.2	<10	80	1.01	0.35	3.82	0.06	10.00	17.1	6
L842475		4.84	<0.001	0.10	0.40	56.8	<0.2	<10	70	0.96	0.23	9.70	0.06	9.96	14.3	6
L842476		7.99	<0.001	0.07	0.40	28	<0.2	<10	50	0.88	0.23	13.60	0.05	16.55	8.2	5
L842477		0.20	1.225	0.93	0.53	252	<0.2	<10	90	1.13	9.17	16.80	2.31	24.9	4.7	24
L842478		7.49	<0.001	0.14	0.31	48.2	<0.2	<10	30	0.75	0.15	5.20	0.04	5.61	8.7	7
L842479		5.18	<0.001	0.03	0.02	<2	<0.2	<10	80	<0.05	0.02	19.70	0.06	0.97	0.7	<1
L842480		3.62	<0.001	0.10	0.02	38	<0.2	<10	10	0.09	0.01	19.65	<0.01	0.94	0.3	<1
L842481		8.15	0.004	0.04	0.18	146	<0.2	<10	70	0.20	0.05	17.30	0.01	9.44	2.3	3

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**CERTIFICATE OF ANALYSIS WH12185226**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
L842446		6.02	15.5	1.30	0.49	<0.05	0.11	0.51	0.018	0.09	2.0	5.0	0.65	259	0.26	0.01
L842447		1.54	6.6	1.31	0.28	<0.05	0.08	0.23	0.005	0.04	1.4	3.0	0.67	337	0.28	0.01
L842448		2.92	4.9	1.64	0.32	<0.05	0.07	0.15	0.006	0.05	1.8	3.1	0.88	348	0.23	0.01
L842449		3.34	8.7	1.22	0.40	<0.05	0.08	0.29	0.011	0.07	2.2	3.9	0.61	249	0.35	0.01
L842450		6.78	25.0	1.82	0.75	<0.05	0.11	0.72	0.026	0.13	2.1	7.8	0.58	273	0.28	0.01
L842451		5.74	25.4	1.55	0.59	<0.05	0.11	0.51	0.016	0.10	1.9	7.1	0.49	323	0.23	0.01
L842452		9.78	19.6	3.33	0.87	<0.05	0.09	0.68	0.029	0.17	2.4	6.3	1.16	377	0.42	0.02
L842453		8.28	16.8	2.41	0.66	<0.05	0.08	0.39	0.021	0.13	3.6	4.0	0.67	389	0.26	0.02
L842454		18.60	25.9	2.90	1.21	<0.05	0.11	0.35	0.031	0.25	4.3	4.4	1.18	466	0.34	0.02
L842455		12.50	15.8	2.63	0.81	<0.05	0.12	0.28	0.027	0.14	3.9	3.9	0.97	543	0.23	0.02
L842456		10.50	12.5	1.38	0.62	<0.05	0.09	0.31	0.013	0.11	2.4	3.1	0.62	310	0.18	0.01
L842457		7.91	20.0	1.45	0.74	<0.05	0.11	0.85	0.017	0.08	2.8	7.8	0.58	360	0.19	0.01
L842458		2.61	10.6	1.30	0.45	<0.05	0.07	1.63	0.009	0.04	1.8	10.0	0.74	508	0.15	0.01
L842459		2.56	10.4	1.27	0.37	<0.05	0.07	1.21	0.007	0.04	1.6	7.3	0.71	550	0.14	0.01
L842460		4.53	6.2	1.04	0.39	<0.05	0.09	0.17	0.008	0.05	2.6	3.5	0.53	230	0.14	0.01
L842461		2.38	6.2	1.11	0.36	<0.05	0.08	0.22	0.007	0.04	2.6	4.8	0.65	326	0.14	<0.01
L842462		2.84	6.8	1.13	0.45	<0.05	0.08	0.25	0.010	0.05	2.5	6.7	0.63	354	0.17	<0.01
L842463		3.60	11.8	1.33	0.81	<0.05	0.12	1.61	0.014	0.08	3.6	14.9	1.16	560	0.23	0.01
L842464		5.37	14.9	2.58	0.63	<0.05	0.08	0.41	0.018	0.10	3.4	15.2	0.88	453	0.22	<0.01
L842465		17.05	61.7	4.16	1.16	<0.05	0.07	0.85	0.064	0.23	6.4	14.4	0.70	458	1.06	0.01
L842466		0.29	1.7	0.45	0.09	<0.05	<0.02	<0.01	<0.005	0.02	0.5	0.9	11.80	217	0.08	0.01
L842467		15.50	36.9	5.20	1.20	<0.05	0.06	6.70	0.055	0.21	6.3	8.0	1.11	1030	0.31	0.01
L842468		2.59	78.8	2.30	3.03	0.09	0.22	2.26	0.635	0.15	15.6	5.9	3.19	1570	76.6	0.01
L842469		12.35	32.5	7.06	1.57	<0.05	0.07	1.03	0.049	0.21	5.8	14.1	1.36	1840	0.36	0.01
L842470		25.7	49.1	4.48	1.26	<0.05	0.06	0.16	0.052	0.25	6.1	8.9	0.78	625	0.19	0.01
L842471		16.80	42.4	4.76	1.60	<0.05	0.06	0.09	0.059	0.30	5.4	8.0	0.93	823	0.16	0.01
L842472		17.15	51.6	5.25	1.50	<0.05	0.08	0.11	0.059	0.29	5.0	5.7	0.98	945	0.26	0.01
L842473		14.95	51.0	4.72	1.60	<0.05	0.07	0.24	0.057	0.29	5.0	6.8	1.03	846	0.33	0.01
L842474		9.00	41.3	4.99	1.19	<0.05	0.07	0.41	0.047	0.22	4.6	9.9	1.55	913	0.27	0.01
L842475		10.75	29.5	3.96	1.02	<0.05	0.09	0.67	0.036	0.18	4.0	13.7	2.58	445	0.34	0.01
L842476		7.07	22.8	2.77	1.00	<0.05	0.11	0.61	0.030	0.20	5.4	5.6	0.97	425	0.19	0.01
L842477		2.71	81.9	2.37	3.20	0.07	0.21	2.37	0.686	0.16	17.1	6.0	3.30	1620	74.7	0.01
L842478		10.85	20.3	2.71	0.75	<0.05	0.09	0.63	0.027	0.15	2.3	7.3	0.91	327	0.36	0.01
L842479		0.15	2.4	0.44	0.07	<0.05	<0.02	0.01	0.005	0.01	0.5	0.8	11.85	205	0.07	0.01
L842480		0.06	2.9	0.54	0.07	<0.05	<0.02	0.13	<0.005	0.01	0.4	0.7	11.65	441	0.06	0.02
L842481		2.32	7.4	1.29	0.49	<0.05	0.19	0.77	0.008	0.08	4.4	1.4	7.16	567	0.20	0.01



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Project: Crag East

CERTIFICATE OF ANALYSIS WH12185226
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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units LOR	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842446		0.08	15.4	30	8.7	4.5	<0.001	0.35	3.98	2.7	<0.2	1.1	144.0	<0.01	<0.01	2.2
L842447		0.08	5.0	40	9.1	2.0	<0.001	0.42	3.38	1.0	<0.2	0.9	183.5	<0.01	<0.01	1.3
L842448		0.08	5.6	20	5.7	2.5	<0.001	0.43	1.18	1.2	<0.2	0.4	109.5	<0.01	<0.01	1.8
L842449		0.09	8.5	10	9.6	3.2	<0.001	0.20	5.08	2.1	<0.2	0.5	79.7	<0.01	<0.01	2.4
L842450		0.08	21.5	10	18.3	6.0	<0.001	0.43	11.10	5.1	0.4	1.4	129.5	<0.01	<0.01	2.7
L842451		0.08	16.3	10	14.2	5.0	<0.001	0.38	7.97	4.2	0.2	2.8	166.0	<0.01	0.01	2.5
L842452		0.08	29.1	30	26.6	7.5	<0.001	0.69	4.46	5.1	0.2	0.4	286	<0.01	0.01	3.0
L842453		0.08	19.2	150	16.0	6.5	<0.001	0.70	0.47	4.6	0.3	0.3	490	<0.01	0.01	4.0
L842454		0.08	27.7	570	22.7	12.3	<0.001	0.82	0.33	7.1	0.5	0.4	345	<0.01	0.02	4.7
L842455		0.07	17.1	790	13.9	6.8	<0.001	0.60	0.27	5.2	0.5	0.2	555	<0.01	<0.01	3.3
L842456		0.08	11.4	80	12.6	5.3	<0.001	0.23	2.32	2.7	<0.2	0.5	277	<0.01	0.01	2.0
L842457		0.07	14.5	110	38.8	4.4	<0.001	0.51	13.60	3.5	0.2	2.1	216	<0.01	0.02	3.4
L842458		0.08	7.5	10	28.9	2.0	<0.001	0.08	10.10	1.8	<0.2	1.6	60.2	<0.01	<0.01	1.9
L842459		0.08	7.0	10	26.6	1.9	<0.001	0.10	8.50	1.7	<0.2	1.8	56.3	<0.01	<0.01	2.0
L842460		0.09	5.0	30	5.1	2.4	<0.001	0.03	2.33	1.2	<0.2	0.8	37.6	<0.01	<0.01	2.7
L842461		<0.05	4.6	30	11.2	2.1	<0.001	0.05	3.75	1.3	<0.2	0.6	31.0	<0.01	<0.01	2.6
L842462		<0.05	5.2	50	11.5	2.5	<0.001	0.08	2.82	1.4	<0.2	0.5	39.7	<0.01	0.01	2.8
L842463		<0.05	9.3	1710	30.8	4.2	<0.001	0.17	9.71	2.7	<0.2	0.9	96.2	<0.01	0.02	3.4
L842464		<0.05	14.2	180	13.4	4.9	<0.001	0.16	2.96	2.9	<0.2	0.7	57.4	<0.01	0.03	3.4
L842465		<0.05	44.5	50	62.7	14.0	<0.001	0.41	5.50	9.2	<0.2	0.5	40.7	<0.01	0.10	3.3
L842466		<0.05	1.7	170	1.5	1.3	<0.001	0.01	0.05	0.2	<0.2	<0.2	45.1	<0.01	<0.01	<0.2
L842467		<0.05	33.5	330	108.5	12.2	<0.001	0.22	19.15	8.9	0.3	0.6	80.6	<0.01	0.08	3.1
L842468		0.05	73.4	1110	19.2	13.3	0.055	0.95	7.47	3.9	3.3	3.2	214	<0.01	0.34	3.4
L842469		<0.05	29.1	460	36.4	11.4	<0.001	0.18	6.89	9.3	0.4	0.5	107.0	<0.01	0.06	3.1
L842470		<0.05	34.7	190	14.2	15.7	<0.001	0.19	0.20	8.1	0.2	0.5	44.2	<0.01	0.04	3.7
L842471		<0.05	30.1	490	10.2	17.1	<0.001	0.10	0.15	8.9	0.2	0.4	50.9	<0.01	0.06	3.9
L842472		<0.05	33.7	480	11.6	16.9	<0.001	0.16	0.18	8.8	0.5	0.3	43.7	<0.01	0.08	3.8
L842473		<0.05	32.8	440	15.7	16.4	<0.001	0.16	0.32	9.5	0.2	0.7	63.8	<0.01	0.11	3.4
L842474		<0.05	28.3	470	26.6	10.6	<0.001	0.24	0.36	7.8	0.4	0.9	104.5	<0.01	0.06	2.9
L842475		<0.05	32.1	420	46.3	9.0	<0.001	0.83	0.53	7.3	0.5	1.0	204	<0.01	0.03	3.0
L842476		<0.05	18.5	1060	15.5	10.2	<0.001	0.61	0.19	6.4	0.5	0.2	514	<0.01	0.02	4.2
L842477		0.05	75.2	1150	20.1	13.7	0.058	0.97	7.85	4.1	3.4	3.3	223	<0.01	0.38	3.7
L842478		<0.05	20.0	160	48.3	8.2	0.001	0.76	0.49	5.5	0.2	0.2	169.0	<0.01	0.01	2.9
L842479		<0.05	1.6	180	1.4	0.6	<0.001	0.01	<0.05	0.3	<0.2	<0.2	45.2	<0.01	0.01	<0.2
L842480		<0.05	0.3	200	1.0	0.2	<0.001	<0.01	0.11	0.1	<0.2	<0.2	96.4	<0.01	0.01	<0.2
L842481		<0.05	5.5	560	8.9	2.9	<0.001	0.21	1.36	2.0	0.2	0.2	166.5	<0.01	0.02	1.8



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12185226**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
L842446		<0.005	0.37	0.60	5	<0.05	5.12	6	3.3
L842447		<0.005	0.24	0.37	3	<0.05	3.25	9	2.1
L842448		<0.005	0.25	0.23	4	<0.05	2.72	4	2.1
L842449		<0.005	0.31	0.26	4	<0.05	2.45	11	2.5
L842450		<0.005	0.69	0.38	7	<0.05	6.73	82	3.6
L842451		<0.005	0.43	0.32	6	<0.05	9.58	39	3.3
L842452		<0.005	0.69	0.41	9	<0.05	7.37	63	3.1
L842453		<0.005	0.45	0.77	7	<0.05	6.47	41	3.1
L842454		<0.005	0.55	0.91	10	<0.05	8.53	67	4.7
L842455		<0.005	0.39	1.08	8	<0.05	11.70	48	4.9
L842456		<0.005	0.29	0.39	5	<0.05	5.72	11	2.6
L842457		<0.005	0.54	0.42	8	<0.05	7.03	65	3.5
L842458		<0.005	0.24	0.20	6	0.09	3.22	134	2.4
L842459		<0.005	0.35	0.20	6	0.11	3.17	87	2.3
L842460		<0.005	0.07	0.27	5	<0.05	1.43	14	2.7
L842461		<0.005	0.07	0.29	4	<0.05	2.76	22	2.8
L842462		<0.005	0.10	0.30	4	<0.05	1.72	22	2.6
L842463		<0.005	0.32	0.87	8	0.07	8.06	120	4.5
L842464		<0.005	0.37	0.43	8	<0.05	4.47	48	2.6
L842465		<0.005	0.81	0.39	13	<0.05	2.83	243	2.7
L842466		<0.005	0.02	0.40	1	<0.05	0.86	13	<0.5
L842467		<0.005	0.50	0.54	17	<0.05	6.86	693	2.7
L842468		<0.005	0.91	14.35	144	14.75	21.1	409	9.0
L842469		<0.005	0.29	0.90	23	<0.05	7.97	135	2.9
L842470		<0.005	0.13	0.41	14	<0.05	4.35	83	2.4
L842471		<0.005	0.12	0.54	16	<0.05	5.98	93	2.7
L842472		<0.005	0.15	0.49	15	<0.05	5.84	91	2.9
L842473		<0.005	0.16	0.43	16	<0.05	6.51	93	2.8
L842474		<0.005	0.25	0.46	15	<0.05	8.20	146	2.4
L842475		<0.005	0.84	0.55	11	<0.05	10.05	102	3.6
L842476		<0.005	0.41	0.83	8	<0.05	12.05	58	5.0
L842477		<0.005	0.97	14.70	149	15.05	20.5	425	8.9
L842478		<0.005	0.68	0.48	7	0.05	5.88	55	3.4
L842479		<0.005	0.02	0.91	1	<0.05	0.75	13	<0.5
L842480		<0.005	0.14	1.03	1	0.23	1.49	2	<0.5
L842481		<0.005	0.67	1.63	4	<0.05	8.28	8	7.2



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12185226**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12186249**

Project: Crag East  
 P.O. No.: Batch 22  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

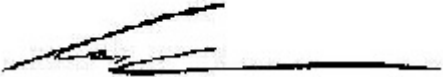
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12186249**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
L842482		6.19	0.008	0.51	0.48	329	<0.2	10	160	0.67	0.39	6.18	0.03	13.10	19.4	8
L842483		4.00	0.001	0.02	0.03	<2	<0.2	<10	20	0.06	0.02	21.4	0.06	1.28	1.9	<1
L842484		3.75	0.002	0.01	0.07	182	<0.2	<10	20	0.11	0.01	20.6	0.01	3.59	1.8	<1
L842485		8.00	0.005	0.02	0.11	262	<0.2	<10	40	0.15	0.01	19.80	0.01	5.06	2.4	<1
L842486		8.22	0.010	0.01	0.06	334	<0.2	<10	30	0.16	0.01	20.6	0.01	3.00	1.6	<1
L842487		8.26	0.005	0.01	0.07	260	<0.2	<10	20	0.11	0.01	20.6	0.01	3.40	1.6	<1
L842488		0.27	1.140	0.68	0.50	236	<0.2	<10	110	1.34	7.97	18.55	2.16	21.9	5.9	21
L842489		8.20	0.006	<0.01	0.03	290	<0.2	<10	20	0.17	0.01	22.0	0.01	1.53	1.4	<1
L842490		8.10	0.007	0.05	0.18	305	<0.2	<10	70	0.31	0.03	19.90	0.01	5.42	3.0	<1
L842491		8.97	0.008	1.20	0.12	268	<0.2	<10	60	0.31	0.02	19.85	0.02	5.50	2.0	<1
L842492		<0.02	0.007	1.21	0.12	245	<0.2	<10	60	0.30	0.01	20.7	0.01	5.40	1.9	<1
L842493		8.07	0.005	0.04	0.15	281	<0.2	<10	50	0.21	0.02	19.30	0.03	8.26	2.1	<1
L842494		8.75	0.003	0.02	0.11	135	<0.2	<10	30	0.09	0.01	20.8	0.03	7.52	0.9	<1
L842495		8.63	0.004	0.01	0.07	236	<0.2	<10	30	0.08	0.01	21.2	0.02	3.88	0.7	<1
L842496		3.72	0.004	0.01	0.06	257	<0.2	<10	30	0.07	0.01	20.5	0.02	3.75	0.8	<1
L842497		8.49	0.003	0.02	0.12	83	<0.2	<10	40	0.09	0.04	20.9	0.03	6.42	1.6	<1
L842498		8.49	0.003	0.01	0.05	69	<0.2	<10	20	<0.05	0.01	21.0	0.04	7.27	1.2	<1
L842499		8.53	0.003	<0.01	0.03	61	<0.2	<10	20	0.05	0.01	20.7	0.03	4.45	0.8	<1
L842500		8.37	0.002	<0.01	0.02	58	<0.2	<10	10	0.06	<0.01	20.6	0.02	1.80	0.7	<1
M400501		8.62	0.002	<0.01	0.02	87	<0.2	<10	20	0.10	<0.01	20.5	0.06	2.44	0.7	<1
M400502		8.16	0.002	<0.01	0.03	79	<0.2	<10	20	0.05	<0.01	21.5	0.09	5.28	0.8	<1
M400503		8.54	0.003	0.02	0.08	106	<0.2	<10	30	0.09	0.01	21.1	0.04	8.37	1.4	<1
M400504		8.50	0.004	0.02	0.11	166	<0.2	<10	40	0.09	0.02	20.9	0.03	8.20	1.8	<1
M400505		8.75	0.005	0.01	0.12	113	<0.2	<10	40	0.09	0.03	20.4	0.03	9.86	1.9	<1
M400506		8.38	0.005	0.02	0.18	122	<0.2	<10	120	0.15	0.07	20.5	0.05	12.30	3.8	<1
M400507		4.48	0.001	<0.01	0.03	2	<0.2	<10	20	<0.05	0.03	21.5	0.09	1.42	1.2	<1
M400508		8.70	0.003	0.01	0.13	97	<0.2	<10	50	0.12	0.03	20.0	0.03	11.00	2.3	<1
M400509		0.27	4.01	1.46	0.31	659	<0.2	<10	40	0.24	4.17	2.09	1.80	5.07	7.1	20
M400510		8.23	0.006	<0.01	0.03	68	<0.2	<10	10	0.09	<0.01	21.6	0.02	3.56	0.9	<1
M400511		8.47	0.004	0.01	0.05	306	<0.2	<10	20	0.08	0.01	21.7	0.03	5.72	1.2	<1
M400512		3.61	0.001	0.01	0.04	621	<0.2	<10	30	0.08	0.01	20.4	0.04	4.96	1.1	<1
M400513		5.57	0.003	0.01	0.03	1260	<0.2	<10	20	0.09	<0.01	21.1	0.12	5.60	1.0	<1
M400514		5.93	0.006	0.03	0.09	1480	<0.2	<10	50	0.13	0.02	20.8	0.16	9.17	1.7	<1
M400515		8.09	0.029	0.01	0.04	1140	<0.2	<10	40	0.10	0.01	21.4	0.07	6.19	1.2	<1
M400516		8.31	0.011	0.01	0.04	404	<0.2	<10	30	0.11	0.01	21.1	0.11	9.36	1.2	<1
M400517		8.67	0.013	0.01	0.05	279	<0.2	<10	30	0.12	0.01	21.2	1.77	12.85	1.0	<1



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
L842482		9.57	69.4	3.55	1.46	<0.05	0.47	4.86	0.016	0.27	6.2	2.9	2.67	461	0.83	0.01
L842483		0.28	2.5	0.51	0.27	0.06	<0.02	0.03	<0.005	0.03	0.6	1.3	12.60	214	0.06	0.01
L842484		0.30	2.0	0.85	0.45	<0.05	0.06	0.80	0.324	0.03	1.6	1.2	11.50	949	0.08	0.01
L842485		0.53	3.3	0.98	0.54	<0.05	0.12	1.47	0.005	0.04	2.2	1.5	10.70	785	0.10	0.01
L842486		0.14	1.7	1.09	0.38	<0.05	0.04	0.74	0.005	0.02	1.5	1.2	11.30	836	0.08	0.01
L842487		0.18	1.7	0.95	0.42	<0.05	0.07	0.77	0.005	0.02	1.4	1.1	11.30	849	0.09	0.01
L842488		2.46	82.6	2.58	3.42	0.06	0.24	2.11	0.674	0.16	14.4	8.2	3.48	1680	78.4	0.01
L842489		<0.05	1.2	1.12	0.25	<0.05	0.02	0.27	<0.005	0.01	0.7	1.1	11.90	686	0.12	0.01
L842490		1.21	6.8	1.33	0.65	<0.05	0.20	1.89	0.006	0.09	2.3	1.8	8.70	661	0.22	0.01
L842491		0.57	3.9	1.16	0.47	<0.05	0.12	0.55	0.005	0.06	2.5	1.9	9.85	670	0.09	0.01
L842492		0.58	3.8	1.15	0.48	<0.05	0.12	0.48	0.005	0.06	2.5	1.8	9.79	665	0.10	0.01
L842493		0.89	3.3	1.40	0.57	<0.05	0.15	0.87	0.005	0.06	3.3	2.0	9.86	1110	0.09	0.01
L842494		0.54	2.1	1.02	0.29	0.05	0.11	0.77	<0.005	0.04	2.8	1.3	11.00	880	0.08	0.02
L842495		0.20	1.2	0.84	0.21	0.05	0.06	0.58	<0.005	0.02	1.6	1.0	11.20	893	0.05	0.02
L842496		0.18	1.2	0.87	0.20	0.06	0.06	0.63	<0.005	0.02	1.6	0.9	11.05	899	0.05	0.02
L842497		1.20	3.9	1.18	0.31	0.05	0.11	0.55	0.006	0.04	3.0	1.0	10.30	828	0.11	0.02
L842498		0.25	3.0	1.24	0.22	0.05	0.05	0.48	<0.005	0.02	4.1	0.7	11.65	1120	0.10	0.02
L842499		0.08	1.1	0.86	0.15	0.07	0.02	0.25	<0.005	0.01	2.6	0.6	12.00	869	0.06	0.02
L842500		<0.05	0.6	0.48	0.11	0.11	<0.02	0.12	<0.005	<0.01	1.1	0.6	11.80	670	<0.05	0.02
M400501		<0.05	0.6	0.67	0.12	0.10	<0.02	0.22	<0.005	<0.01	1.3	0.7	11.75	821	<0.05	0.02
M400502		0.05	1.0	0.89	0.16	0.09	0.02	0.48	<0.005	0.01	2.7	0.5	11.90	896	<0.05	0.02
M400503		0.36	3.3	1.26	0.31	0.07	0.08	0.69	0.005	0.03	4.6	1.0	11.30	1260	0.10	0.02
M400504		0.66	3.7	1.42	0.37	0.06	0.10	0.53	0.006	0.04	5.0	1.2	10.70	1270	0.07	0.02
M400505		0.72	3.8	1.40	0.38	0.06	0.11	0.30	0.006	0.05	6.3	1.5	10.90	1350	0.05	0.02
M400506		2.87	8.7	1.63	0.52	0.05	0.17	0.58	0.009	0.08	7.7	1.6	10.25	989	0.10	0.02
M400507		0.31	1.9	0.48	0.14	0.11	<0.02	0.02	0.007	0.02	0.7	0.9	12.50	227	0.07	0.01
M400508		1.00	4.6	1.43	0.43	0.07	0.10	0.45	0.005	0.06	7.3	1.7	10.05	936	0.06	0.02
M400509		1.88	73.4	2.84	1.16	0.07	0.21	5.24	0.158	0.19	2.6	1.4	0.87	313	25.5	0.01
M400510		0.05	0.9	0.81	0.15	0.07	<0.02	0.19	<0.005	0.01	2.1	0.9	11.95	710	0.05	0.02
M400511		0.17	2.1	0.82	0.22	0.09	0.04	0.48	<0.005	0.02	3.2	0.7	11.75	659	0.07	0.01
M400512		0.10	1.6	0.98	0.19	0.08	0.03	0.59	<0.005	0.01	2.6	0.9	11.35	852	0.05	0.02
M400513		0.09	2.0	1.17	0.17	0.08	0.02	0.94	0.005	0.01	2.8	0.7	11.80	822	0.08	0.02
M400514		0.61	4.4	1.28	0.38	0.07	0.08	0.83	0.006	0.04	5.6	1.6	11.05	912	0.10	0.02
M400515		0.08	1.9	1.27	0.19	0.07	0.03	0.73	<0.005	0.01	4.1	1.2	11.55	1080	0.07	0.02
M400516		0.07	1.7	1.45	0.23	0.07	0.04	0.91	0.005	0.01	5.1	0.9	11.20	1040	0.06	0.02
M400517		0.08	2.1	1.27	0.46	0.08	0.03	7.34	0.026	0.01	6.2	1.1	10.70	1020	0.05	0.02

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





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**CERTIFICATE OF ANALYSIS WH12186249**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L842482		0.09	48.8	610	72.9	10.0	0.003	3.20	13.65	8.5	1.6	1.2	58.2	<0.01	0.08	6.8
L842483		0.22	<0.2	180	1.5	1.5	<0.001	0.01	0.13	0.8	0.2	<0.2	46.5	<0.01	0.01	<0.2
L842484		0.23	0.2	170	4.6	0.9	0.001	0.02	1.46	1.2	0.3	<0.2	78.7	<0.01	0.01	0.5
L842485		0.23	1.8	180	7.7	1.5	0.001	0.05	1.32	1.5	0.4	0.2	98.1	<0.01	0.04	1.0
L842486		0.26	<0.2	260	3.9	0.7	0.001	0.02	0.54	1.1	0.5	<0.2	130.5	<0.01	0.02	0.3
L842487		0.27	0.2	130	4.5	0.8	0.001	0.01	1.00	1.0	0.4	<0.2	93.9	<0.01	0.02	0.5
L842488		0.29	84.5	1210	19.9	15.2	0.061	0.96	7.65	5.4	3.9	3.2	218	0.01	0.27	3.5
L842489		0.29	<0.2	260	1.3	0.3	0.001	<0.01	0.25	0.5	0.3	<0.2	145.5	<0.01	0.01	<0.2
L842490		0.24	4.1	330	12.1	3.2	0.001	0.33	2.00	2.0	0.5	0.2	203	<0.01	0.02	1.5
L842491		0.26	1.4	310	6.0	2.0	0.001	0.16	0.75	1.3	0.5	<0.2	237	<0.01	0.02	1.1
L842492		0.25	1.5	310	5.8	2.0	0.001	0.15	0.75	1.3	0.4	<0.2	229	<0.01	0.03	1.0
L842493		0.24	2.0	230	9.0	2.2	0.001	0.12	1.09	1.4	0.5	<0.2	132.0	<0.01	0.02	1.4
L842494		<0.05	1.0	240	7.5	1.3	0.003	0.08	0.53	0.7	0.3	<0.2	116.5	<0.01	0.01	1.1
L842495		0.07	0.9	200	3.8	0.7	0.003	0.01	0.38	0.4	0.2	<0.2	122.5	<0.01	0.01	0.5
L842496		0.09	0.9	190	3.8	0.7	0.003	0.03	0.36	0.4	0.2	<0.2	114.0	<0.01	0.01	0.5
L842497		0.10	2.6	360	5.1	1.6	0.003	0.23	0.88	1.2	0.3	<0.2	152.0	<0.01	0.04	1.0
L842498		0.11	1.3	400	4.9	0.7	0.003	0.13	0.92	0.6	0.2	<0.2	85.5	<0.01	0.02	0.4
L842499		0.12	1.0	250	1.8	0.3	0.003	0.05	0.38	0.3	0.2	<0.2	78.9	<0.01	0.01	0.2
L842500		0.11	0.7	120	0.7	0.1	0.003	0.04	0.10	0.1	<0.2	<0.2	63.4	<0.01	0.01	<0.2
M400501		0.12	1.0	190	0.8	0.1	0.003	0.03	0.35	0.2	0.2	<0.2	88.0	<0.01	0.01	<0.2
M400502		0.14	1.2	360	1.9	0.2	0.003	0.03	0.43	0.3	0.2	<0.2	86.2	<0.01	0.01	<0.2
M400503		0.15	2.3	640	6.6	0.9	0.003	0.27	0.66	0.8	0.3	<0.2	99.9	<0.01	0.02	0.6
M400504		0.14	2.5	320	5.7	1.4	0.003	0.31	0.82	1.2	0.3	0.2	123.5	<0.01	0.02	0.9
M400505		0.15	2.4	280	4.6	1.5	0.003	0.30	0.74	1.5	0.3	0.2	116.5	<0.01	0.02	1.0
M400506		0.13	5.0	290	8.0	2.8	0.003	0.53	1.12	2.2	0.3	0.2	126.5	<0.01	0.03	1.7
M400507		0.14	2.7	180	1.2	1.4	0.003	0.04	<0.05	0.4	0.2	<0.2	43.1	<0.01	0.01	<0.2
M400508		0.17	3.5	240	6.1	1.9	0.003	0.15	0.67	1.6	0.3	<0.2	114.5	<0.01	0.03	1.0
M400509		<0.05	69.1	850	19.4	13.2	0.040	1.88	10.40	3.0	6.7	2.3	32.6	<0.01	0.79	2.1
M400510		0.17	1.7	230	0.9	0.2	0.003	0.04	0.33	0.3	0.2	<0.2	90.3	<0.01	0.02	<0.2
M400511		0.17	2.2	270	2.8	0.6	0.003	0.03	0.75	0.7	0.3	<0.2	99.4	<0.01	0.02	0.3
M400512		0.19	2.5	490	2.9	0.4	0.003	0.02	0.83	0.5	0.3	<0.2	113.0	<0.01	0.01	0.2
M400513		0.19	2.4	280	1.3	0.2	0.003	0.02	2.99	0.5	0.3	<0.2	90.3	<0.01	0.02	<0.2
M400514		0.21	3.8	460	7.1	1.3	0.003	0.02	2.98	1.3	0.4	0.2	120.0	<0.01	0.02	0.9
M400515		0.20	2.5	390	3.2	0.2	0.003	0.03	1.32	0.5	0.3	<0.2	166.0	<0.01	0.03	0.3
M400516		0.21	2.3	340	2.7	0.3	0.004	0.05	0.63	0.7	0.3	<0.2	155.5	<0.01	0.02	0.3
M400517		0.22	2.1	530	2.5	0.4	0.003	0.09	0.84	1.1	0.5	<0.2	165.5	<0.01	0.03	0.4



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
L842482		<0.005	3.76	1.59	9	0.30	8.07	37	20.2
L842483		<0.005	0.02	0.64	2	0.05	1.12	15	<0.5
L842484		<0.005	0.57	0.81	2	0.10	2.90	11	2.3
L842485		<0.005	0.89	1.12	3	0.06	3.39	8	4.4
L842486		<0.005	0.73	1.19	2	0.06	3.38	8	1.7
L842487		<0.005	0.75	1.02	2	<0.05	2.89	6	2.4
L842488		<0.005	0.95	14.80	154	15.90	22.7	455	10.4
L842489		<0.005	0.75	1.27	1	0.07	3.05	5	<0.5
L842490		<0.005	1.29	1.16	3	0.07	4.87	7	7.6
L842491		<0.005	0.62	1.01	2	5.00	4.01	6	5.2
L842492		<0.005	0.60	0.98	2	5.44	3.89	6	5.1
L842493		<0.005	0.81	1.23	3	0.12	4.43	13	6.7
L842494		<0.005	0.47	0.91	2	<0.05	3.80	5	4.5
L842495		<0.005	0.68	0.86	2	<0.05	2.53	5	2.3
L842496		<0.005	0.75	0.83	1	<0.05	2.41	5	2.2
L842497		<0.005	0.46	1.13	2	<0.05	6.12	4	3.9
L842498		<0.005	0.22	1.08	2	<0.05	5.47	16	1.9
L842499		<0.005	0.09	0.88	1	<0.05	3.46	7	0.9
L842500		<0.005	0.11	1.06	<1	<0.05	1.64	2	<0.5
M400501		<0.005	0.17	0.91	1	<0.05	2.11	8	<0.5
M400502		<0.005	0.15	1.17	1	0.19	4.07	15	0.7
M400503		<0.005	0.35	2.21	2	<0.05	5.29	14	2.4
M400504		<0.005	0.70	1.23	2	<0.05	4.78	4	3.4
M400505		<0.005	0.20	1.29	3	<0.05	5.33	4	3.9
M400506		<0.005	0.59	1.26	3	<0.05	7.62	10	6.1
M400507		<0.005	<0.02	0.45	2	<0.05	0.81	15	<0.5
M400508		<0.005	0.42	0.81	2	<0.05	6.51	10	3.5
M400509		<0.005	2.62	1.81	60	2.55	7.44	146	8.1
M400510		<0.005	0.19	0.88	1	<0.05	3.15	6	0.5
M400511		<0.005	1.07	1.20	1	<0.05	3.97	13	1.2
M400512		<0.005	2.14	1.25	1	<0.05	4.00	26	0.8
M400513		<0.005	4.92	1.10	1	<0.05	3.69	86	0.9
M400514		<0.005	7.29	1.74	2	<0.05	5.51	107	2.8
M400515		<0.005	2.02	1.17	1	<0.05	3.72	37	1.2
M400516		<0.005	0.64	1.34	1	<0.05	5.41	64	1.0
M400517		<0.005	0.44	1.67	2	<0.05	7.00	1120	0.9



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
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Finalized Date: 30- AUG- 2012  
Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12186249**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 30- AUG- 2012**

**This copy reported on  
 19- JUN- 2013**

**Account: MTT**

**CERTIFICATE WH12187920**

Project: Crag East  
 P.O. No.: Batch 23  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

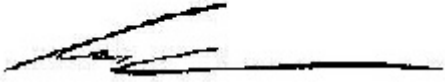
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187920**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
M400518		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400519		8.51	0.014	0.01	0.06	287	<0.2	<10	40	0.12	0.02	21.4	0.38	12.60	0.6	<1
M400520		3.75	0.016	0.01	0.07	351	<0.2	<10	40	0.12	0.02	21.2	0.63	12.60	0.7	<1
M400521		7.72	0.016	0.02	0.09	693	<0.2	<10	50	0.16	0.03	21.5	1.62	13.30	1.0	<1
M400522		7.55	0.019	0.05	0.22	1860	<0.2	<10	110	0.28	0.10	16.20	0.02	7.59	4.0	1
M400523		7.95	0.005	0.04	0.17	533	<0.2	<10	90	0.28	0.07	16.70	0.01	4.79	2.2	<1
M400524		3.48	0.006	0.05	0.14	770	<0.2	<10	210	0.29	0.08	18.65	0.03	5.86	1.4	1
M400525		4.81	0.011	0.07	0.37	1265	<0.2	<10	240	0.43	0.24	9.01	0.07	8.72	14.1	8
M400526		6.10	0.002	0.02	0.06	68	<0.2	<10	210	0.31	0.02	16.05	<0.01	1.55	0.9	1
M400527		1.46	0.005	0.04	0.38	787	<0.2	<10	150	0.44	0.23	5.30	0.02	8.23	13.1	9
M400528		4.90	0.003	0.01	0.02	2	<0.2	<10	10	<0.05	0.02	21.3	0.07	1.02	0.7	<1
M400529		7.69	0.003	0.04	0.38	1850	<0.2	<10	360	0.60	0.26	8.91	0.03	8.38	15.2	6
M400530		0.26	7.85	0.47	0.39	802	<0.2	<10	140	0.38	0.62	12.25	4.22	18.20	5.8	26
M400531		2.23	0.007	0.01	0.57	56.9	<0.2	<10	80	1.09	0.36	2.02	0.01	4.42	18.7	12
M400532		7.65	0.003	0.04	0.53	85.4	<0.2	<10	140	1.32	0.31	3.31	0.04	5.79	18.3	12
M400533		8.09	0.002	0.03	0.53	369	<0.2	<10	220	1.09	0.34	2.18	0.09	5.40	15.6	10
M400534		8.17	0.002	<0.01	0.57	117.5	<0.2	10	180	1.22	0.33	1.24	0.02	3.66	13.5	11
M400535		8.27	0.003	0.04	0.53	1755	<0.2	<10	270	0.89	0.29	2.96	0.02	4.40	17.4	13
M400536		8.38	0.002	0.01	0.57	66.4	<0.2	<10	330	1.06	0.27	1.46	0.02	3.34	17.7	12
M400537		8.35	0.004	0.01	0.53	114.0	<0.2	<10	560	1.04	0.18	1.33	0.01	2.36	16.6	13
M400538		8.61	0.006	<0.01	0.57	156.0	<0.2	<10	380	0.86	0.26	2.55	0.03	2.80	16.6	12
M400539		8.04	0.005	0.01	0.53	65	<0.2	<10	120	0.72	0.25	10.15	0.07	14.45	14.0	12
M400540		8.16	0.002	0.01	0.43	47	<0.2	<10	230	0.82	0.22	14.95	0.05	14.05	9.2	6
M400541		8.03	0.002	0.01	0.36	31	<0.2	<10	310	0.71	0.23	18.25	0.03	10.20	11.3	4
M400542		7.78	0.002	0.01	0.29	23	<0.2	<10	450	0.52	0.18	21.0	<0.01	9.84	7.5	1
M400543		<0.02	0.001	0.01	0.28	22	<0.2	<10	450	0.55	0.16	20.9	0.01	10.30	7.5	1
M400544		8.05	0.001	0.01	0.25	27	<0.2	<10	50	0.50	0.16	23.2	0.02	11.65	7.8	<1
M400545		7.94	0.002	0.02	0.31	38	<0.2	<10	40	0.66	0.20	20.6	<0.01	10.95	10.7	1
M400546		8.33	0.001	0.02	0.37	29	<0.2	<10	30	0.67	0.26	13.95	<0.01	8.77	11.4	3
M400547		7.93	0.001	0.04	0.38	76.1	<0.2	<10	30	0.43	0.27	6.34	<0.01	5.76	13.6	11
M400548		8.30	0.002	0.12	0.36	197.5	<0.2	<10	40	0.29	0.31	3.33	0.65	4.90	16.6	10
M400549		4.95	0.002	0.12	0.40	74.8	<0.2	<10	80	0.32	0.20	9.29	0.04	8.70	12.2	8
M400550		3.82	0.002	0.01	0.02	2	<0.2	<10	20	<0.05	0.02	21.0	0.06	0.94	0.7	<1
M400551		3.56	<0.001	0.01	0.09	12	<0.2	<10	30	0.13	0.02	19.75	<0.01	4.95	1.5	<1
M400552		9.04	<0.001	0.02	0.15	15	<0.2	<10	40	0.16	0.06	16.55	0.03	8.62	3.5	1
M400553		0.26	1.115	0.72	0.50	230	<0.2	<10	110	1.00	8.44	16.60	2.01	22.6	4.6	21
M400553		8.50	0.002	0.01	0.12	12	<0.2	<10	30	0.12	0.03	16.55	0.01	6.38	2.1	<1

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



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 Finalized Date: 30- AUG- 2012  
 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187920**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400518		0.17	2.1	1.35	0.29	<0.05	0.05	1.27	0.010	0.02	5.9	1.0	9.95	921	0.10	0.02
M400519		0.17	2.2	1.36	0.36	<0.05	0.05	1.75	0.010	0.02	5.9	1.1	10.25	936	0.13	0.02
M400520		0.27	3.3	1.33	0.53	<0.05	0.06	4.28	0.015	0.03	6.5	2.2	10.05	940	0.09	0.02
M400521		2.14	11.3	1.52	0.61	<0.05	0.16	1.61	0.011	0.12	3.6	1.7	5.89	661	0.37	0.02
M400522		1.62	5.5	1.07	0.45	<0.05	0.08	1.00	0.007	0.09	2.1	1.1	6.93	419	0.18	0.02
M400523		0.78	5.9	0.93	0.44	<0.05	0.08	1.27	0.008	0.07	2.9	4.4	8.81	609	0.16	0.02
M400524		4.61	44.9	2.78	1.42	<0.05	0.15	7.51	0.027	0.11	4.2	3.6	3.86	690	0.56	0.02
M400525		0.21	2.5	1.86	0.20	<0.05	<0.02	0.77	0.007	0.01	0.9	0.9	8.32	838	0.28	0.02
M400526		4.22	36.1	2.43	1.49	<0.05	0.10	12.95	0.025	0.11	4.0	4.6	2.30	608	0.57	0.02
M400527		0.22	1.4	0.48	0.09	<0.05	<0.02	0.08	<0.005	0.01	0.5	0.8	12.50	212	0.09	0.01
M400528		6.54	38.1	2.70	1.60	<0.05	0.08	2.01	0.032	0.15	4.1	4.7	4.44	822	0.52	0.02
M400529		2.42	33.2	1.37	1.23	0.06	0.33	5.79	0.056	0.19	9.4	1.2	0.57	264	12.40	0.02
M400530		12.05	53.9	3.75	2.19	<0.05	0.11	1.70	0.033	0.33	1.9	9.0	1.03	1670	0.69	0.02
M400531		8.63	51.2	3.88	1.98	<0.05	0.09	1.86	0.040	0.25	2.5	7.2	1.44	1590	0.85	0.02
M400532		8.22	106.5	4.20	2.05	<0.05	0.09	1.65	0.038	0.30	2.3	9.8	1.15	1530	0.62	0.02
M400533		8.15	8.1	4.44	2.16	<0.05	0.09	1.33	0.033	0.34	1.5	16.0	0.91	949	0.44	0.02
M400534		5.45	55.6	4.21	2.11	<0.05	0.11	6.64	0.037	0.27	1.9	11.8	1.36	922	0.96	0.01
M400535		5.59	10.8	3.82	2.02	<0.05	0.11	4.70	0.031	0.33	1.3	8.1	1.00	612	0.38	0.01
M400536		7.43	7.7	3.68	1.80	<0.05	0.10	9.82	0.029	0.35	0.9	6.0	0.96	523	0.20	0.02
M400537		6.96	13.9	3.22	2.10	<0.05	0.10	9.77	0.029	0.34	1.1	5.1	1.21	716	0.45	0.01
M400538		5.71	27.5	2.88	2.23	<0.05	0.08	2.98	0.028	0.33	5.5	3.9	1.10	1120	0.28	0.02
M400539		5.14	32.0	2.34	1.63	0.05	0.08	1.94	0.024	0.29	7.3	3.3	0.87	880	0.17	0.02
M400540		4.23	58.4	2.18	1.41	0.05	0.10	0.91	0.024	0.25	5.8	3.2	0.77	1200	0.26	0.02
M400541		4.05	8.4	1.63	1.09	<0.05	0.09	0.45	0.015	0.20	6.1	2.1	0.49	502	0.17	0.02
M400542		4.01	8.5	1.58	1.09	<0.05	0.09	0.44	0.019	0.19	6.4	2.2	0.48	508	0.24	0.02
M400543		3.34	10.1	1.27	0.87	<0.05	0.09	0.46	0.018	0.16	7.3	2.0	0.60	661	0.16	0.02
M400544		4.58	14.9	1.20	0.97	<0.05	0.10	0.48	0.016	0.20	6.7	3.0	0.57	603	0.32	0.02
M400545		6.34	16.5	1.14	1.16	<0.05	0.14	0.49	0.021	0.23	4.4	3.0	0.47	328	0.21	0.02
M400546		4.89	22.2	1.73	1.19	<0.05	0.16	1.11	0.014	0.21	2.5	2.6	0.63	257	0.98	0.02
M400547		4.48	34.9	2.46	1.55	<0.05	0.23	4.04	0.018	0.17	2.2	2.7	1.35	307	0.84	0.02
M400548		4.68	26.5	2.78	1.40	<0.05	0.23	3.20	0.021	0.19	3.9	2.1	3.53	583	0.80	0.02
M400549		0.18	1.3	0.46	0.08	<0.05	<0.02	0.05	<0.005	0.01	0.5	0.8	12.25	205	0.05	0.01
M400550		0.67	3.5	0.52	0.32	<0.05	0.03	0.23	<0.005	0.04	3.1	1.0	11.50	447	0.16	0.03
M400551		2.10	7.4	0.84	0.62	<0.05	0.11	0.60	0.008	0.08	5.4	1.4	9.44	354	0.19	0.03
M400552		2.55	78.4	2.58	3.27	0.07	0.20	2.13	0.629	0.15	15.0	5.9	3.22	1600	71.6	0.02
M400553		0.86	3.2	0.56	0.45	<0.05	0.05	0.39	0.007	0.05	3.9	1.5	9.83	352	0.23	0.04

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**CERTIFICATE OF ANALYSIS WH12187920**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M400518		0.07	1.4	720	3.0	0.6	<0.001	0.13	0.86	1.0	<0.2	<0.2	190.0	<0.01	0.02	0.5
M400519		0.07	1.5	770	2.9	0.7	<0.001	0.14	0.77	1.0	0.2	<0.2	202	<0.01	0.01	0.5
M400520		0.06	2.2	560	4.3	1.0	<0.001	0.28	0.96	1.2	0.2	<0.2	259	<0.01	0.03	0.7
M400521		0.07	8.5	170	11.8	4.1	0.002	0.65	3.14	1.7	<0.2	0.8	229	<0.01	0.03	1.6
M400522		0.07	5.4	130	8.1	2.9	0.001	0.56	1.39	1.4	<0.2	0.4	216	<0.01	0.02	0.9
M400523		0.14	3.4	130	5.1	4.1	<0.001	0.19	2.11	0.9	0.3	0.6	229	<0.01	0.03	0.7
M400524		0.06	23.5	70	19.4	4.6	<0.001	1.33	4.26	5.4	0.5	5.0	158.0	<0.01	0.04	2.2
M400525		0.09	1.7	90	2.1	0.4	<0.001	0.10	0.42	1.4	<0.2	0.4	154.5	<0.01	<0.01	0.2
M400526		0.07	20.3	40	13.8	4.4	<0.001	0.87	2.02	5.0	<0.2	3.1	95.3	<0.01	0.02	2.3
M400527		0.08	1.5	190	1.1	0.6	<0.001	0.07	<0.05	0.2	<0.2	<0.2	44.0	<0.01	0.03	<0.2
M400528		0.08	22.6	80	14.2	6.6	<0.001	0.54	1.71	5.5	0.3	4.5	108.0	<0.01	0.02	2.2
M400529		0.09	63.9	4160	4.6	14.6	0.033	1.35	6.53	5.3	8.3	0.9	139.0	<0.01	0.57	3.7
M400530		0.08	32.7	130	14.4	15.4	<0.001	0.05	0.56	7.8	<0.2	0.6	58.3	<0.01	0.04	2.7
M400531		0.06	34.7	190	17.3	10.1	<0.001	0.23	0.61	8.2	<0.2	1.7	69.6	<0.01	0.05	2.7
M400532		0.06	40.4	170	15.2	11.8	<0.001	0.22	0.46	7.7	0.3	1.5	46.5	<0.01	0.05	2.6
M400533		0.08	36.1	130	16.2	14.3	<0.001	0.09	0.37	8.1	<0.2	0.4	44.1	<0.01	0.04	2.5
M400534		0.06	42.9	100	17.8	10.9	0.001	1.02	0.84	8.9	0.2	0.8	74.8	<0.01	0.05	2.4
M400535		0.07	42.8	80	16.4	13.4	<0.001	0.22	0.34	7.6	<0.2	0.4	73.7	<0.01	0.04	2.3
M400536		0.11	43.0	70	9.3	15.2	<0.001	0.57	0.69	6.9	<0.2	0.5	59.8	<0.01	0.06	2.5
M400537		0.07	45.7	70	17.6	14.1	<0.001	0.58	0.94	6.9	<0.2	0.5	89.1	<0.01	0.06	2.3
M400538		0.07	34.7	150	11.5	13.8	<0.001	0.20	0.46	7.4	0.5	0.4	117.5	<0.01	0.04	3.2
M400539		0.08	24.6	140	8.6	11.3	<0.001	0.15	0.40	6.9	0.7	0.3	186.0	<0.01	0.07	2.8
M400540		0.07	20.9	120	7.1	9.6	<0.001	0.11	0.45	6.8	<0.2	0.3	221	<0.01	0.07	2.1
M400541		0.08	13.8	210	6.1	7.9	<0.001	0.15	0.25	4.4	<0.2	0.2	308	<0.01	0.05	1.6
M400542		0.08	13.5	210	6.1	7.9	<0.001	0.14	0.26	4.4	<0.2	0.2	317	<0.01	0.07	1.6
M400543		0.07	9.9	320	7.4	6.2	<0.001	0.21	0.37	3.8	0.2	0.3	279	<0.01	0.03	1.7
M400544		0.07	12.9	320	5.8	7.7	<0.001	0.28	0.59	4.5	<0.2	0.3	285	<0.01	0.06	2.1
M400545		0.08	13.6	430	8.8	9.2	<0.001	0.48	0.82	4.9	<0.2	0.3	235	<0.01	0.05	3.7
M400546		0.19	17.1	620	15.1	7.9	<0.001	1.28	0.92	4.6	0.3	1.3	114.5	<0.01	0.07	2.9
M400547		0.07	22.2	740	25.1	6.9	<0.001	2.12	2.13	5.5	0.7	2.2	56.5	<0.01	0.08	2.7
M400548		0.10	15.4	1000	27.9	7.3	0.001	1.77	2.16	7.9	0.5	1.6	81.4	<0.01	0.09	3.3
M400549		0.07	1.5	180	1.1	0.5	<0.001	0.07	<0.05	0.2	<0.2	<0.2	41.2	<0.01	<0.01	<0.2
M400550		0.08	1.8	340	2.3	1.3	<0.001	0.22	0.26	1.0	0.2	0.3	104.5	<0.01	0.02	0.5
M400551		0.07	5.6	220	7.8	2.8	<0.001	0.67	0.55	2.1	<0.2	0.7	78.3	<0.01	0.02	1.4
M400552		0.23	74.0	1130	18.2	12.0	0.054	0.94	7.14	4.2	4.0	3.0	215	<0.01	0.34	3.4
M400553		0.07	2.9	280	3.8	1.5	<0.001	0.30	0.58	1.3	0.8	0.3	73.7	<0.01	0.01	0.6



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187920**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
M400518		<0.005	0.31	2.24	2	<0.05	7.74	208	1.5
M400519		<0.005	0.26	2.28	2	<0.05	7.80	324	1.6
M400520		<0.005	0.59	2.09	3	<0.05	8.19	1020	2.3
M400521		<0.005	2.78	0.81	3	0.11	5.93	24	4.5
M400522		<0.005	1.56	0.69	2	0.06	4.38	12	2.6
M400523		0.006	2.28	1.68	4	0.07	4.44	24	2.6
M400524		<0.005	1.87	0.88	14	0.10	5.92	35	4.3
M400525		<0.005	0.16	0.72	4	<0.05	3.45	11	0.5
M400526		<0.005	1.02	0.65	12	0.11	4.36	45	3.0
M400527		<0.005	<0.02	0.57	1	<0.05	0.77	17	<0.5
M400528		<0.005	0.52	0.70	12	0.09	4.79	58	2.4
M400529		<0.005	6.68	4.24	68	9.32	24.1	274	11.4
M400530		<0.005	0.19	0.88	16	<0.05	5.78	66	3.2
M400531		<0.005	0.26	0.53	19	0.05	6.34	80	2.9
M400532		<0.005	0.26	0.46	17	0.06	5.61	92	2.9
M400533		<0.005	0.13	0.31	19	0.07	4.76	86	2.4
M400534		<0.005	1.67	1.61	24	0.13	5.45	86	3.8
M400535		<0.005	1.53	0.41	18	<0.05	4.64	93	3.0
M400536		0.008	4.85	0.35	24	0.14	4.19	86	3.1
M400537		<0.005	5.96	0.38	23	0.38	4.92	97	2.7
M400538		<0.005	1.12	0.50	23	0.12	9.10	65	2.9
M400539		<0.005	0.77	0.59	17	0.05	9.59	40	2.3
M400540		<0.005	0.10	1.70	15	<0.05	9.82	34	2.6
M400541		<0.005	0.08	0.72	9	<0.05	7.25	19	2.5
M400542		<0.005	0.10	0.76	9	<0.05	7.51	18	2.6
M400543		<0.005	0.13	0.97	5	<0.05	10.35	32	3.0
M400544		<0.005	0.23	0.94	4	<0.05	8.94	8	3.1
M400545		<0.005	0.41	0.94	5	<0.05	8.39	9	4.0
M400546		<0.005	0.48	0.93	6	0.06	6.95	11	5.0
M400547		<0.005	1.02	1.28	8	0.13	6.50	324	7.3
M400548		<0.005	0.73	1.39	7	0.08	9.76	44	6.9
M400549		<0.005	<0.02	0.72	1	<0.05	0.74	15	<0.5
M400550		<0.005	0.09	0.40	2	<0.05	3.15	4	1.0
M400551		<0.005	0.24	0.80	3	<0.05	3.84	17	3.2
M400552		<0.005	0.88	13.45	148	16.30	20.5	420	8.5
M400553		<0.005	0.20	2.10	3	<0.05	3.70	8	2.0





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Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187920**

**CERTIFICATE COMMENTS**

Applies to Method:



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To: **STRATEGIC METALS LTD.**

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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12187921**

Project: Crag East  
 P.O. No.: Batch 24  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 11- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

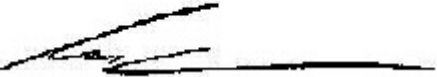
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187921**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
M400554		8.49	0.002	0.01	0.08	27	<0.2	<10	260	0.11	0.02	19.30	0.01	4.98	1.5	<1
M400555		8.84	0.001	0.02	0.11	14	<0.2	<10	20	0.10	0.02	17.15	0.01	5.88	2.1	<1
M400556		7.55	0.002	0.01	0.10	17	<0.2	<10	20	0.10	0.02	17.10	0.01	5.69	1.0	<1
M400557		8.70	0.002	0.01	0.06	26	<0.2	<10	20	0.10	0.02	19.95	0.05	3.41	1.1	<1
M400558		8.70	0.001	0.01	0.02	532	<0.2	<10	20	0.06	0.01	21.5	0.15	1.14	0.2	<1
M400559		0.27	1.140	0.73	0.49	226	<0.2	<10	110	1.16	8.58	18.20	2.26	23.5	4.4	21
M400560		0.27	3.80	1.50	0.32	654	<0.2	<10	60	0.32	4.46	2.03	1.96	4.70	7.1	20
M400561		8.39	0.003	0.08	0.02	191	<0.2	<10	10	0.10	0.01	20.7	0.12	0.91	0.2	<1
M400562		8.61	0.002	0.03	0.02	59	<0.2	<10	10	0.19	0.01	20.9	0.05	1.51	0.3	<1
M400563		8.52	0.002	<0.01	0.02	16	<0.2	<10	10	0.12	0.01	20.5	0.06	1.06	0.2	<1
M400564		8.07	0.002	<0.01	0.02	49	<0.2	<10	10	0.12	0.01	20.6	0.15	1.50	0.2	<1
M400565		3.69	0.001	0.01	0.02	23	<0.2	<10	10	0.14	0.01	22.2	0.05	1.61	0.3	<1
M400566		8.64	0.002	0.01	0.10	52	<0.2	<10	80	0.21	0.03	22.1	0.14	4.17	1.8	<1
M400567		8.73	0.003	0.01	0.09	43	<0.2	<10	70	0.29	0.03	21.4	0.18	6.99	1.5	<1
M400568		8.17	0.001	0.01	0.05	17	<0.2	<10	40	0.15	0.01	21.2	0.71	2.97	0.6	<1
M400569		8.47	0.001	0.01	0.03	16	<0.2	<10	30	0.12	0.01	19.65	0.79	1.94	0.3	<1
M400570		4.70	0.001	<0.01	0.03	<2	<0.2	<10	10	<0.05	0.02	20.1	0.07	1.15	0.6	<1
M400571		8.65	0.002	0.01	0.02	10	<0.2	<10	10	0.12	0.01	20.4	0.48	1.54	0.2	<1
M400572		8.36	<0.001	0.01	0.03	17	<0.2	<10	20	0.09	0.01	20.6	0.12	3.69	0.3	<1
M400573		8.63	0.001	0.01	0.03	19	<0.2	<10	20	0.09	0.01	21.2	0.32	2.81	0.3	<1
M400574		8.26	0.002	0.01	0.02	12	<0.2	<10	10	0.07	0.01	21.7	0.04	1.78	0.2	<1
M400575		8.57	0.002	0.01	0.05	22	<0.2	<10	40	0.13	0.02	22.2	0.07	3.40	0.9	<1
M400576		8.70	0.001	0.01	0.05	23	<0.2	<10	20	0.11	0.01	21.5	0.06	3.20	0.6	<1
M400577		8.60	0.002	0.04	0.02	19	<0.2	<10	10	0.12	0.01	22.9	0.19	2.30	0.3	<1
M400578		8.72	0.002	0.02	0.01	5	<0.2	<10	10	0.09	0.01	22.1	0.17	1.27	0.2	<1
M400579		8.83	0.001	0.02	0.02	14	<0.2	<10	10	0.09	0.01	22.3	0.06	1.80	0.2	<1
M400580		8.84	0.001	0.02	0.06	18	<0.2	<10	30	0.13	0.02	21.7	0.17	3.38	0.8	<1
M400581		9.03	0.001	0.03	0.32	36	<0.2	<10	120	0.48	0.13	16.65	0.05	13.00	6.4	2
M400582		4.85	<0.001	0.01	0.04	2	<0.2	<10	10	0.05	0.02	19.90	0.06	1.02	0.6	<1
M400583		8.57	0.001	0.01	0.12	13	<0.2	<10	70	0.18	0.03	22.0	0.01	7.33	1.4	<1
M400584		8.41	0.002	0.01	0.04	8	<0.2	<10	20	0.10	0.01	22.3	0.31	3.38	0.4	<1
M400585		8.40	0.002	0.01	0.04	17	<0.2	<10	20	0.08	0.01	22.2	0.55	3.88	0.5	<1
M400586		8.32	0.002	0.04	0.05	32	<0.2	<10	20	0.07	0.01	22.2	7.20	4.12	0.7	<1
M400587		3.65	0.002	0.06	0.17	42	<0.2	<10	70	0.15	0.05	20.7	6.01	7.32	2.0	<1
M400588		6.59	0.003	0.14	0.47	92	<0.2	10	180	0.44	0.27	11.55	0.15	9.02	11.0	5
M400589		<0.02	0.004	0.14	0.50	90	<0.2	10	180	0.52	0.28	11.50	0.13	8.96	10.7	6

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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187921**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400554		0.42	2.6	0.58	0.24	<0.05	0.03	0.71	0.005	0.03	3.2	1.1	10.85	432	0.10	0.02
M400555		0.78	3.6	0.52	0.32	<0.05	0.05	0.47	<0.005	0.04	3.6	0.9	9.73	293	0.17	0.03
M400556		0.50	2.9	0.55	0.28	<0.05	0.04	0.36	<0.005	0.04	3.7	1.1	9.51	321	0.11	0.02
M400557		0.29	2.3	0.47	0.18	<0.05	0.02	0.46	<0.005	0.02	2.5	0.7	11.35	332	0.11	0.03
M400558		<0.05	0.8	0.47	<0.05	<0.05	<0.02	0.93	<0.005	<0.01	0.6	0.6	11.75	416	0.15	0.03
M400559		2.64	85.9	2.56	3.18	0.08	0.19	2.33	0.696	0.15	15.2	5.8	3.38	1610	77.9	0.01
M400560		1.75	73.1	2.85	1.14	<0.05	0.19	5.74	0.147	0.19	2.4	1.6	0.87	296	25.6	0.01
M400561		<0.05	0.7	0.61	0.05	<0.05	<0.02	1.38	<0.005	<0.01	0.5	0.5	11.55	520	0.13	0.03
M400562		<0.05	1.2	0.96	0.07	<0.05	<0.02	0.89	<0.005	<0.01	1.0	0.6	11.10	890	0.14	0.02
M400563		<0.05	0.8	0.74	0.05	<0.05	<0.02	0.93	<0.005	<0.01	0.6	0.6	11.60	690	0.06	0.02
M400564		<0.05	0.7	0.74	0.08	<0.05	<0.02	0.78	<0.005	<0.01	0.8	0.8	11.35	773	0.06	0.02
M400565		<0.05	1.0	0.76	0.07	<0.05	<0.02	0.55	<0.005	<0.01	0.9	0.9	11.65	795	0.06	0.03
M400566		0.31	4.9	0.66	0.30	<0.05	0.06	2.10	<0.005	0.03	2.8	1.2	11.15	589	0.19	0.03
M400567		0.25	3.9	0.98	0.30	<0.05	0.06	1.57	0.006	0.03	4.0	1.3	10.25	747	0.08	0.03
M400568		0.08	1.7	0.74	0.14	<0.05	0.02	1.69	<0.005	0.01	1.6	1.0	10.95	651	0.06	0.03
M400569		0.05	1.0	0.61	0.10	<0.05	<0.02	2.76	<0.005	0.01	0.9	1.0	11.15	613	0.06	0.03
M400570		0.23	1.1	0.46	0.10	<0.05	<0.02	0.03	<0.005	0.02	0.6	0.9	12.15	197	0.09	0.01
M400571		<0.05	0.7	0.70	0.05	<0.05	<0.02	0.91	<0.005	<0.01	0.6	0.6	10.65	635	0.06	0.02
M400572		0.06	1.4	0.76	0.10	<0.05	0.02	0.58	<0.005	0.01	1.8	0.7	10.55	778	0.10	0.03
M400573		0.05	1.1	0.69	0.08	<0.05	<0.02	2.12	<0.005	0.01	1.5	0.7	10.80	686	0.05	0.02
M400574		<0.05	0.7	0.54	0.05	<0.05	<0.02	0.34	<0.005	<0.01	0.9	0.6	11.05	589	<0.05	0.02
M400575		0.15	3.0	0.67	0.16	<0.05	0.02	1.31	<0.005	0.02	2.0	0.8	10.95	715	0.06	0.03
M400576		0.10	2.6	0.55	0.15	<0.05	0.02	0.86	<0.005	0.01	2.0	0.8	11.60	871	0.06	0.03
M400577		<0.05	1.6	0.45	0.07	<0.05	<0.02	0.58	<0.005	0.01	1.3	0.6	11.65	599	0.09	0.03
M400578		<0.05	0.7	0.44	<0.05	<0.05	<0.02	0.37	<0.005	<0.01	0.6	0.6	11.40	482	<0.05	0.03
M400579		<0.05	1.0	0.60	0.06	<0.05	<0.02	0.25	<0.005	<0.01	1.1	0.6	11.30	656	0.05	0.03
M400580		0.24	2.2	0.71	0.20	<0.05	0.03	0.47	<0.005	0.02	2.5	1.0	11.10	575	<0.05	0.03
M400581		3.60	15.2	1.50	1.16	<0.05	0.20	1.20	0.011	0.15	6.9	2.0	7.07	461	0.10	0.02
M400582		0.38	1.2	0.46	0.12	<0.05	<0.02	0.04	0.005	0.03	0.5	0.9	12.00	205	<0.05	0.01
M400583		0.46	3.4	0.62	0.39	<0.05	0.07	0.46	0.005	0.04	4.7	1.6	10.35	386	0.05	0.02
M400584		0.08	1.6	0.56	0.11	<0.05	0.02	0.55	<0.005	0.01	2.0	0.5	11.15	486	0.05	0.02
M400585		0.06	1.7	0.74	0.14	<0.05	0.02	2.05	0.005	0.01	2.1	0.5	10.25	486	<0.05	0.02
M400586		0.18	4.1	0.94	0.80	<0.05	0.03	19.90	0.008	0.01	2.1	0.8	10.30	660	0.06	0.02
M400587		0.83	7.4	1.07	1.24	<0.05	0.12	19.55	0.008	0.06	3.2	1.4	8.83	687	0.13	0.02
M400588		5.21	33.1	2.35	1.45	<0.05	0.43	2.40	0.009	0.23	3.9	2.4	5.28	472	0.77	0.02
M400589		5.07	30.9	2.24	1.54	<0.05	0.43	2.32	0.008	0.25	3.8	2.6	5.22	464	0.77	0.02



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12187921**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M400554		<0.05	2.2	270	4.8	0.9	<0.001	0.19	2.17	0.6	0.4	0.2	78.7	<0.01	0.02	0.4
M400555		<0.05	3.1	270	4.6	1.4	<0.001	0.24	0.66	0.7	0.3	0.2	60.0	<0.01	0.01	0.7
M400556		<0.05	1.7	280	3.9	1.2	<0.001	0.21	0.67	0.6	0.3	0.2	62.0	<0.01	0.02	0.6
M400557		<0.05	1.5	260	5.8	0.7	<0.001	0.20	2.55	0.4	0.2	<0.2	73.8	<0.01	0.01	0.3
M400558		<0.05	0.2	290	8.9	0.1	<0.001	0.09	7.75	0.2	0.3	<0.2	80.6	<0.01	0.02	<0.2
M400559		0.05	81.6	1110	20.8	12.8	0.059	0.91	7.99	3.9	3.1	3.3	206	<0.01	0.37	3.5
M400560		<0.05	73.4	830	20.0	12.6	0.039	1.94	10.35	3.0	6.3	2.1	31.2	<0.01	0.74	2.0
M400561		<0.05	0.2	190	8.6	0.1	<0.001	0.08	6.09	0.1	0.3	<0.2	80.8	<0.01	0.01	<0.2
M400562		<0.05	0.5	250	18.9	0.1	<0.001	0.26	3.39	0.1	0.2	<0.2	77.9	<0.01	0.02	<0.2
M400563		<0.05	0.2	220	5.7	0.1	<0.001	0.12	5.63	<0.1	0.2	<0.2	90.6	<0.01	0.01	<0.2
M400564		<0.05	0.3	190	2.9	0.1	<0.001	0.10	3.56	<0.1	<0.2	<0.2	102.0	<0.01	<0.01	<0.2
M400565		<0.05	0.3	200	3.1	0.1	<0.001	0.10	6.42	0.1	<0.2	<0.2	106.0	<0.01	0.02	<0.2
M400566		<0.05	4.1	330	14.8	1.0	0.001	0.30	4.51	0.6	0.2	<0.2	135.0	<0.01	0.02	0.6
M400567		<0.05	2.8	220	11.5	1.0	<0.001	0.31	5.14	0.9	0.3	<0.2	170.0	<0.01	0.01	0.6
M400568		<0.05	1.1	150	17.0	0.4	0.001	0.11	6.93	0.3	0.3	<0.2	146.0	<0.01	0.02	0.2
M400569		<0.05	0.4	240	14.5	0.2	<0.001	0.07	4.49	0.1	0.4	<0.2	118.0	<0.01	0.02	<0.2
M400570		<0.05	1.5	180	1.2	1.2	<0.001	0.01	0.06	0.1	<0.2	<0.2	48.3	<0.01	<0.01	<0.2
M400571		<0.05	0.2	150	13.0	0.1	<0.001	0.06	1.46	0.1	0.4	<0.2	99.9	<0.01	0.01	<0.2
M400572		<0.05	0.7	310	6.6	0.2	0.001	0.09	1.20	0.1	0.4	<0.2	82.2	<0.01	0.02	0.2
M400573		<0.05	0.6	300	9.9	0.2	<0.001	0.12	9.38	0.1	<0.2	<0.2	99.9	<0.01	0.01	<0.2
M400574		<0.05	0.3	180	2.7	0.1	<0.001	0.05	2.17	0.1	0.4	<0.2	85.9	<0.01	0.01	<0.2
M400575		<0.05	2.0	200	8.7	0.5	0.001	0.20	5.29	0.4	0.4	<0.2	95.9	<0.01	0.01	0.3
M400576		<0.05	1.5	340	7.3	0.4	<0.001	0.20	3.97	0.3	0.5	<0.2	75.6	<0.01	0.01	0.2
M400577		<0.05	0.8	360	5.2	0.1	<0.001	0.11	2.81	0.1	<0.2	<0.2	83.8	<0.01	0.02	0.2
M400578		<0.05	<0.2	200	4.2	<0.1	<0.001	0.03	1.86	<0.1	<0.2	<0.2	84.0	<0.01	0.01	<0.2
M400579		<0.05	0.5	310	2.7	0.1	<0.001	0.07	1.08	0.2	0.4	<0.2	86.9	<0.01	0.01	<0.2
M400580		<0.05	1.7	270	9.4	0.7	<0.001	0.17	3.58	0.3	0.3	<0.2	99.6	<0.01	0.02	0.4
M400581		<0.05	13.4	500	21.8	5.3	0.001	1.12	2.09	4.1	0.5	0.4	135.0	<0.01	0.05	3.2
M400582		<0.05	1.9	170	1.2	1.9	<0.001	0.02	<0.05	0.1	0.2	<0.2	43.1	<0.01	0.01	<0.2
M400583		<0.05	3.0	150	6.5	1.4	<0.001	0.36	2.19	1.2	0.3	<0.2	117.0	<0.01	0.02	0.7
M400584		<0.05	0.8	240	10.7	0.3	<0.001	0.09	8.92	0.2	0.6	<0.2	78.8	<0.01	0.03	0.2
M400585		<0.05	1.2	190	21.2	0.3	<0.001	0.39	7.88	0.4	0.4	<0.2	95.5	<0.01	0.01	0.2
M400586		<0.05	1.8	420	52.2	0.4	<0.001	0.47	32.1	0.4	0.3	<0.2	112.0	<0.01	0.02	0.4
M400587		<0.05	5.0	890	47.7	2.0	<0.001	0.61	23.8	1.3	0.6	0.2	128.0	<0.01	0.03	1.4
M400588		<0.05	27.1	1660	45.4	8.2	0.002	2.17	5.34	3.7	0.7	1.0	83.2	<0.01	0.17	6.5
M400589		<0.05	25.8	1580	43.7	8.7	0.002	2.02	5.28	3.7	1.1	0.9	85.4	<0.01	0.17	6.2



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**CERTIFICATE OF ANALYSIS WH12187921**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
M400554		<0.005	0.27	0.71	2	<0.05	2.92	7	1.2
M400555		<0.005	0.21	0.93	2	<0.05	2.93	3	1.6
M400556		<0.005	0.15	0.64	2	<0.05	3.20	3	1.3
M400557		<0.005	0.13	1.27	1	<0.05	2.50	10	0.9
M400558		<0.005	0.13	1.48	1	<0.05	2.20	19	<0.5
M400559		<0.005	0.97	15.00	150	16.60	20.7	414	8.6
M400560		<0.005	2.65	1.87	60	2.66	6.91	143	7.1
M400561		<0.005	0.15	1.42	1	<0.05	1.70	32	<0.5
M400562		<0.005	0.30	1.61	<1	<0.05	2.22	35	0.5
M400563		<0.005	0.13	1.56	<1	<0.05	1.87	27	<0.5
M400564		<0.005	0.17	1.50	<1	<0.05	2.29	82	<0.5
M400565		<0.005	0.20	1.55	<1	<0.05	2.39	33	<0.5
M400566		<0.005	0.48	2.05	2	<0.05	3.60	51	2.2
M400567		<0.005	0.56	1.47	2	<0.05	9.52	61	2.0
M400568		<0.005	0.26	1.17	1	<0.05	4.23	59	0.8
M400569		<0.005	0.23	1.38	1	<0.05	2.96	56	<0.5
M400570		<0.005	0.02	0.48	1	<0.05	0.82	16	<0.5
M400571		<0.005	0.11	1.11	<1	<0.05	2.59	26	<0.5
M400572		<0.005	0.12	1.64	<1	<0.05	2.95	13	0.7
M400573		<0.005	0.24	1.58	1	<0.05	3.06	68	0.5
M400574		<0.005	0.07	1.22	<1	<0.05	2.87	11	<0.5
M400575		<0.005	0.45	1.44	1	<0.05	2.92	19	1.0
M400576		<0.005	0.34	1.89	1	<0.05	3.18	18	0.8
M400577		<0.005	0.15	2.19	<1	<0.05	2.94	24	<0.5
M400578		<0.005	0.06	1.48	<1	<0.05	2.39	14	<0.5
M400579		<0.005	0.07	1.77	<1	<0.05	3.33	19	<0.5
M400580		<0.005	0.19	1.53	1	<0.05	2.97	21	1.0
M400581		<0.005	0.79	1.85	6	0.07	9.45	28	6.7
M400582		<0.005	0.02	0.57	1	<0.05	0.73	13	<0.5
M400583		<0.005	0.21	0.97	3	<0.05	4.67	6	2.4
M400584		<0.005	0.08	1.57	1	<0.05	3.22	27	0.8
M400585		<0.005	0.23	1.58	1	<0.05	3.20	143	0.8
M400586		<0.005	0.36	2.71	1	<0.05	3.78	2470	1.3
M400587		<0.005	0.50	4.59	4	<0.05	6.65	2730	4.4
M400588		<0.005	1.15	6.51	7	0.10	9.70	88	13.4
M400589		<0.005	1.12	6.45	7	0.11	9.40	71	13.2



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**CERTIFICATE OF ANALYSIS WH12187921**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12188680**

Project: Crag East 3  
 P.O. No.:  
 This report is for 225 Soil samples submitted to our lab in Whitehorse, YT, Canada on 12- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

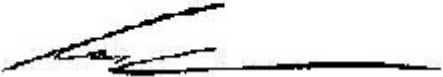
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.  
 ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12188680**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD008227		0.19	0.005	0.12	1.14	37.3	<0.2	<10	180	1.04	0.31	1.78	0.32	20.5	14.5	26
DD008228		0.21	0.003	0.15	1.14	36.9	<0.2	<10	220	1.06	0.30	1.85	0.52	17.50	13.1	19
DD008229		0.21	0.002	0.09	0.96	38.9	<0.2	<10	160	0.98	0.32	0.63	0.38	25.3	18.0	18
DD008230		0.16	0.004	0.13	1.05	26.2	<0.2	<10	280	0.96	0.27	2.42	0.43	16.30	10.8	17
DD008231		0.33	0.002	0.15	1.11	32.0	<0.2	<10	240	0.98	0.29	2.08	0.45	19.15	14.8	19
DD008232		0.16	0.003	0.24	1.31	15.1	<0.2	<10	380	0.94	0.22	2.54	1.38	21.9	9.3	18
DD008233		0.29	0.002	0.06	1.18	30.8	<0.2	<10	130	1.02	0.30	0.41	0.12	18.85	10.1	21
DD008234		0.24	0.005	0.16	1.07	28.4	<0.2	10	250	1.09	0.28	1.85	0.34	17.85	11.6	18
DD008235		0.20	0.001	0.08	1.16	28.0	<0.2	<10	190	0.90	0.25	0.73	0.24	23.0	11.1	20
DD008236		0.25	0.002	0.11	1.02	27.5	<0.2	<10	170	0.97	0.28	2.42	0.39	17.70	13.4	17
DD008237		0.18	0.005	0.16	1.10	34.0	<0.2	<10	260	0.97	0.26	2.02	0.41	14.75	11.6	18
DD008238		0.22	0.002	0.16	1.23	26.1	<0.2	<10	360	0.93	0.26	1.51	0.49	21.3	10.7	21
DD008239		0.17	0.002	0.12	1.04	20.3	<0.2	<10	130	1.05	0.31	1.33	0.25	19.75	15.3	18
DD008240		0.25	0.002	0.07	1.19	29.2	<0.2	<10	110	1.15	0.33	0.41	0.14	25.2	14.7	21
DD008241		0.23	0.002	0.11	1.04	26.3	<0.2	<10	90	0.78	0.34	0.43	0.14	19.80	12.5	20
DD008242		0.22	0.001	0.02	1.23	22.8	<0.2	<10	110	0.88	0.29	0.35	0.20	25.1	12.5	20
DD008243		0.20	0.005	0.07	1.50	36.0	<0.2	<10	120	1.05	0.28	0.28	0.06	23.8	9.9	22
DD008244		0.18	0.001	0.05	1.62	8.4	<0.2	<10	40	0.58	0.34	0.03	0.07	8.82	8.7	26
DD008245		0.24	0.002	0.04	0.67	19.5	<0.2	<10	130	0.50	0.43	0.27	0.22	7.05	8.8	11
DD008246		0.13	0.002	0.15	0.90	33.9	<0.2	10	240	0.80	0.23	2.85	0.51	14.85	8.1	14
DD008247		0.20	0.001	0.06	0.99	27.5	<0.2	<10	170	0.53	0.21	1.07	0.79	17.40	8.0	15
DD008248		0.22	0.002	0.13	1.30	39.4	<0.2	<10	260	0.83	0.26	1.46	0.29	20.3	10.2	22
DD008249		0.25	0.002	0.12	1.03	44.6	<0.2	<10	180	0.83	0.25	3.33	0.34	19.05	9.3	17
DD008250		0.20	0.002	0.15	1.13	42.9	<0.2	<10	180	0.84	0.24	2.34	0.34	18.30	10.4	19
ZZ02773		0.21	0.002	0.13	1.18	46.6	<0.2	<10	340	0.74	0.25	2.23	0.34	20.2	10.4	19
ZZ02774		0.23	0.003	0.17	1.06	51.3	<0.2	<10	160	0.60	0.23	3.18	0.38	21.3	9.4	19
ZZ02775		0.17	0.003	0.15	1.18	65.1	<0.2	<10	160	0.86	0.27	3.01	0.47	20.7	10.7	19
ZZ02776		0.24	0.001	0.10	1.46	90.6	<0.2	<10	210	1.03	0.29	1.19	0.47	24.8	11.5	21
ZZ02777		0.16	0.003	0.07	1.90	48.1	<0.2	<10	210	0.85	0.28	2.21	1.02	34.2	10.5	26
ZZ02778		0.18	0.002	0.09	1.53	93.3	<0.2	<10	150	1.00	0.28	2.08	0.17	30.9	11.7	26
ZZ02779		0.21	0.006	0.05	1.50	58.9	<0.2	<10	130	1.02	0.31	0.14	0.11	29.2	11.9	26
ZZ02780		0.15	0.002	0.30	0.85	62.5	<0.2	<10	120	0.61	0.12	9.63	0.48	24.7	4.6	14
ZZ02781		0.17	0.001	0.03	0.96	27.2	<0.2	<10	80	0.61	0.20	0.21	0.05	18.65	7.4	13
ZZ02782		0.26	0.002	0.05	1.70	56.9	<0.2	<10	210	1.25	0.32	0.16	0.13	31.0	11.2	26
ZZ02783		0.21	0.002	0.06	1.50	37.6	<0.2	<10	210	0.79	0.27	0.36	0.16	22.0	10.7	26
ZZ02784		0.13	0.002	0.16	1.23	31.1	<0.2	<10	250	0.87	0.26	1.55	0.43	17.30	10.6	20
ZZ02785		0.12	0.001	0.15	0.92	242	<0.2	<10	220	0.80	0.25	2.09	0.93	13.60	9.4	14
ZZ02786		0.23	0.003	0.12	1.16	46.7	<0.2	<10	260	0.88	0.26	2.44	0.65	17.55	11.8	18
ZZ02787		0.24	0.001	0.09	1.33	62.1	<0.2	<10	210	0.98	0.27	0.89	0.36	21.1	11.1	22
ZZ02788		0.15	0.005	0.15	1.23	179.5	<0.2	<10	150	0.75	0.21	5.79	0.59	21.3	8.7	18



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
DD008227		1.12	34.1	3.66	3.72	0.05	0.07	0.41	0.035	0.11	9.5	15.0	0.84	747	1.26	0.01
DD008228		0.87	30.6	3.48	3.59	<0.05	0.06	0.54	0.034	0.11	6.8	14.5	0.70	681	1.19	0.01
DD008229		1.21	37.0	3.86	3.39	<0.05	0.06	0.41	0.034	0.09	8.3	14.0	0.45	1190	1.08	0.01
DD008230		1.06	30.1	3.12	3.18	<0.05	0.06	0.39	0.029	0.09	6.9	12.4	0.64	651	0.86	0.02
DD008231		1.26	34.7	3.81	3.36	0.05	0.06	0.56	0.032	0.11	8.4	14.4	1.00	849	1.10	0.02
DD008232		0.70	29.4	2.60	3.17	<0.05	0.04	0.23	0.023	0.06	11.6	9.4	0.38	1080	0.66	0.01
DD008233		0.85	24.0	3.91	3.85	<0.05	0.05	0.28	0.034	0.09	9.5	13.0	0.29	409	0.93	0.01
DD008234		1.53	43.8	3.36	3.21	<0.05	0.05	0.42	0.030	0.10	8.5	13.9	0.56	898	0.95	0.02
DD008235		0.75	19.0	3.72	3.53	0.05	0.05	0.36	0.031	0.08	9.1	13.8	0.38	730	0.93	0.01
DD008236		0.96	31.2	3.47	3.18	<0.05	0.05	0.45	0.030	0.11	7.6	14.4	1.00	710	1.02	0.02
DD008237		0.80	29.1	3.29	3.14	<0.05	0.05	0.39	0.031	0.10	6.7	12.3	0.50	682	1.26	0.01
DD008238		1.03	27.2	3.47	3.77	<0.05	0.05	0.26	0.032	0.11	10.6	18.9	0.46	871	1.00	0.02
DD008239		1.69	33.9	3.77	3.25	0.05	0.06	0.32	0.030	0.13	8.5	14.8	0.50	620	1.12	0.02
DD008240		1.26	26.6	3.79	3.97	0.05	0.05	0.19	0.032	0.12	11.7	19.6	0.38	749	0.90	0.01
DD008241		1.45	23.1	3.38	3.61	<0.05	0.06	0.14	0.029	0.13	7.8	20.7	0.37	534	0.93	0.01
DD008242		0.85	23.2	3.42	4.28	<0.05	0.04	0.25	0.030	0.10	11.1	18.6	0.30	688	0.85	0.01
DD008243		1.41	22.5	3.61	4.47	0.05	0.05	0.20	0.032	0.07	11.8	18.6	0.27	386	0.95	0.01
DD008244		1.39	20.0	4.38	6.76	<0.05	0.03	0.07	0.021	0.10	4.1	38.1	0.34	169	0.52	0.01
DD008245		1.76	23.0	3.70	2.98	<0.05	0.03	0.09	0.017	0.13	2.7	10.3	0.11	486	0.73	0.01
DD008246		0.81	27.9	2.56	2.54	<0.05	0.05	0.48	0.024	0.08	7.5	8.7	0.51	499	0.87	0.01
DD008247		0.63	20.1	2.88	3.31	<0.05	0.03	0.23	0.025	0.06	8.1	8.9	0.38	1180	0.97	0.01
DD008248		0.67	23.9	3.51	3.75	<0.05	0.04	0.35	0.032	0.08	9.7	14.4	0.65	676	1.08	0.01
DD008249		0.66	28.8	3.42	2.93	<0.05	0.07	0.65	0.032	0.07	9.0	10.8	1.40	631	0.97	0.01
DD008250		0.78	25.1	3.50	3.13	<0.05	0.05	0.45	0.024	0.09	8.5	12.6	1.04	870	0.87	0.01
ZZ02773		0.73	22.9	3.52	3.25	<0.05	0.05	0.33	0.029	0.08	8.7	12.7	0.99	888	0.83	0.01
ZZ02774		0.86	19.6	3.09	3.00	0.05	0.04	0.62	0.025	0.07	10.1	13.5	1.59	716	0.91	0.01
ZZ02775		0.80	24.1	3.40	3.63	<0.05	0.07	0.68	0.036	0.07	11.2	10.6	1.60	986	0.91	0.01
ZZ02776		1.11	25.6	4.12	4.28	0.05	0.06	0.33	0.037	0.08	12.3	14.2	0.52	1260	1.08	0.01
ZZ02777		0.88	13.1	4.35	5.35	0.05	0.06	0.21	0.033	0.09	15.6	14.8	1.36	2220	0.89	0.01
ZZ02778		0.56	22.1	4.12	4.23	0.05	0.08	0.32	0.033	0.11	15.5	12.9	1.27	1370	1.03	0.01
ZZ02779		0.83	26.5	4.32	4.61	<0.05	0.04	0.56	0.031	0.11	12.3	15.9	0.31	948	1.06	0.01
ZZ02780		0.55	12.6	3.37	2.03	<0.05	0.05	0.66	0.013	0.04	13.5	4.1	5.26	2710	0.73	0.02
ZZ02781		0.65	12.1	2.91	2.56	<0.05	0.03	0.37	0.021	0.06	6.0	7.1	0.12	159	0.67	0.01
ZZ02782		0.91	22.2	4.68	4.33	<0.05	0.06	0.36	0.040	0.08	11.6	17.4	0.28	772	0.91	0.01
ZZ02783		0.77	18.3	3.78	4.56	<0.05	0.06	0.26	0.034	0.07	10.7	17.5	0.39	644	1.01	0.01
ZZ02784		1.49	27.7	3.13	3.58	<0.05	0.05	0.33	0.031	0.09	7.5	15.1	0.37	588	0.82	0.01
ZZ02785		10.10	30.6	3.01	2.47	<0.05	0.06	0.51	0.027	0.08	6.0	8.5	0.43	557	0.72	0.01
ZZ02786		0.57	36.1	3.66	3.30	0.05	0.06	0.54	0.031	0.09	7.5	11.3	0.96	939	0.95	0.01
ZZ02787		0.63	27.4	4.02	3.92	<0.05	0.05	0.44	0.035	0.08	8.4	12.5	0.40	943	1.01	0.01
ZZ02788		0.85	19.4	3.71	3.01	0.05	0.06	1.02	0.023	0.09	11.4	9.6	3.08	1400	1.00	0.02



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD008227		0.41	36.5	360	27.8	9.5	<0.001	0.01	0.85	5.5	0.8	0.5	31.3	<0.01	0.06	3.7
DD008228		0.38	29.4	510	26.0	9.0	0.001	0.03	0.87	4.4	1.0	0.5	45.6	<0.01	0.04	2.2
DD008229		0.37	33.3	320	33.9	8.5	<0.001	0.01	0.88	4.6	0.6	0.5	20.8	<0.01	0.04	4.1
DD008230		0.40	25.2	540	20.7	9.0	0.001	0.07	0.74	3.4	1.8	0.4	46.8	<0.01	0.04	1.3
DD008231		0.38	31.4	540	27.6	9.0	<0.001	0.03	0.85	5.0	1.2	0.5	39.2	<0.01	0.04	2.6
DD008232		0.50	23.1	890	16.3	7.4	<0.001	0.08	0.61	2.3	1.2	0.4	68.7	<0.01	0.05	0.7
DD008233		0.47	25.1	200	23.3	9.3	<0.001	<0.01	0.68	4.5	0.4	0.5	17.0	<0.01	0.05	3.8
DD008234		0.40	27.1	750	23.8	14.2	<0.001	0.05	0.82	3.4	1.4	0.4	62.0	<0.01	0.05	1.3
DD008235		0.45	23.1	220	24.4	9.2	0.001	<0.01	0.65	4.5	0.5	0.5	21.6	<0.01	0.03	3.8
DD008236		0.42	28.3	540	24.5	7.9	<0.001	0.03	0.80	4.2	0.6	0.4	47.8	<0.01	0.04	2.4
DD008237		0.35	28.5	480	23.0	7.9	0.001	0.04	0.90	3.6	1.0	0.4	58.7	<0.01	0.04	1.5
DD008238		0.52	28.0	430	21.0	10.8	<0.001	0.03	0.84	4.2	1.1	0.5	84.9	<0.01	0.03	1.8
DD008239		0.42	29.9	300	24.8	10.0	<0.001	0.02	0.69	4.4	0.6	0.4	40.9	<0.01	0.03	3.6
DD008240		0.59	29.1	180	26.6	14.3	<0.001	<0.01	0.70	4.9	0.7	0.5	28.0	<0.01	0.03	4.5
DD008241		0.58	22.6	230	23.0	16.3	<0.001	0.01	0.71	3.6	0.2	0.5	36.0	<0.01	0.05	3.6
DD008242		0.54	24.2	220	20.8	12.1	<0.001	<0.01	0.57	3.8	0.4	0.5	17.7	<0.01	0.04	3.7
DD008243		0.38	23.3	180	21.4	12.9	<0.001	<0.01	0.67	4.2	0.6	0.5	14.8	<0.01	0.04	4.0
DD008244		0.35	20.0	260	16.4	15.7	<0.001	<0.01	0.28	2.4	<0.2	0.6	8.3	<0.01	0.04	2.6
DD008245		0.19	10.0	320	37.1	13.2	<0.001	0.12	0.51	2.2	0.3	0.4	21.1	<0.01	0.05	2.4
DD008246		0.35	21.0	570	20.1	8.1	<0.001	0.08	0.84	3.3	0.9	0.4	65.3	<0.01	0.04	1.1
DD008247		0.46	19.2	280	19.8	8.0	0.001	0.01	0.59	4.0	0.7	0.5	24.2	<0.01	0.04	1.8
DD008248		0.55	25.2	390	22.7	7.0	0.001	0.02	0.79	4.3	0.6	0.5	31.3	<0.01	0.03	2.3
DD008249		0.36	23.8	540	24.2	6.7	<0.001	0.03	0.77	5.9	0.9	0.4	42.5	<0.01	0.05	3.5
DD008250		0.44	23.2	520	23.1	8.4	<0.001	0.04	0.72	4.4	0.8	0.5	42.4	<0.01	0.03	2.1
ZZ02773		0.44	22.3	390	25.6	7.4	<0.001	0.03	0.75	4.2	0.5	0.5	29.1	<0.01	0.04	2.2
ZZ02774		0.54	20.7	600	26.1	7.8	0.001	0.03	0.77	3.9	1.1	0.4	47.5	<0.01	0.05	2.3
ZZ02775		0.41	21.6	360	25.1	7.8	<0.001	0.02	0.84	5.8	0.6	0.5	26.4	<0.01	0.04	3.0
ZZ02776		0.55	23.4	270	29.2	11.7	<0.001	0.02	0.82	6.0	0.8	0.6	28.7	<0.01	0.05	3.6
ZZ02777		0.88	22.6	300	26.8	11.9	<0.001	0.02	1.07	4.7	0.9	0.7	18.7	<0.01	0.06	3.7
ZZ02778		0.67	27.2	280	28.3	8.6	<0.001	0.02	0.87	6.9	0.7	0.5	20.5	<0.01	0.04	4.8
ZZ02779		0.45	27.9	170	32.8	12.5	<0.001	0.01	0.87	6.6	1.2	0.5	9.8	<0.01	0.05	5.0
ZZ02780		0.15	16.1	1240	39.7	3.5	<0.001	0.07	2.64	2.2	1.4	0.3	47.1	<0.01	0.03	0.8
ZZ02781		0.31	20.0	150	22.7	7.0	0.001	0.01	0.33	3.5	0.2	0.4	13.8	<0.01	0.03	4.3
ZZ02782		0.33	26.5	220	31.8	10.8	<0.001	0.01	0.71	6.4	0.7	0.5	12.0	<0.01	0.03	5.8
ZZ02783		0.74	25.4	170	23.7	8.9	0.001	0.01	0.68	4.7	0.5	0.6	17.6	<0.01	0.04	4.6
ZZ02784		0.44	24.1	460	21.7	16.5	<0.001	0.05	0.65	4.2	0.8	0.5	74.5	<0.01	0.05	1.4
ZZ02785		0.33	23.0	650	24.5	12.7	<0.001	0.09	1.00	3.7	1.3	0.4	54.8	<0.01	0.03	1.3
ZZ02786		0.39	25.1	540	27.2	6.5	<0.001	0.05	0.82	4.7	1.0	0.5	36.0	<0.01	0.04	1.9
ZZ02787		0.55	22.8	270	29.8	10.0	0.001	0.03	0.79	5.0	0.4	0.5	23.4	<0.01	0.06	3.1
ZZ02788		0.40	20.5	1180	22.2	7.4	<0.001	0.07	3.01	2.9	0.6	0.4	49.7	<0.01	0.04	1.1



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Project: Crag East 3

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD008227		0.005	0.16	0.86	29	0.07	12.40	111	1.9
DD008228		<0.005	0.14	1.12	29	0.06	9.56	121	1.6
DD008229		0.007	0.17	0.76	25	0.05	7.96	113	1.6
DD008230		0.006	0.13	1.23	24	0.07	9.15	101	1.4
DD008231		0.007	0.16	0.93	29	0.08	10.30	123	1.6
DD008232		0.011	0.07	3.33	28	0.16	11.65	78	1.0
DD008233		0.007	0.12	1.03	28	0.06	7.96	88	1.5
DD008234		0.007	0.13	1.49	26	0.06	11.25	104	1.4
DD008235		0.007	0.14	0.82	29	0.07	7.34	95	1.5
DD008236		0.006	0.14	1.46	26	0.06	8.91	107	1.3
DD008237		<0.005	0.14	1.32	28	0.05	10.15	95	1.3
DD008238		0.009	0.11	1.35	31	0.08	10.70	96	1.2
DD008239		0.006	0.13	0.82	26	0.05	8.01	97	1.9
DD008240		0.013	0.13	0.66	30	0.08	8.63	84	1.6
DD008241		0.013	0.12	0.57	27	0.08	4.60	71	1.5
DD008242		0.009	0.11	0.72	29	0.09	5.24	80	1.2
DD008243		0.005	0.15	0.66	32	0.08	8.04	65	1.5
DD008244		0.005	0.08	0.28	27	<0.05	2.40	67	0.9
DD008245		0.005	0.07	0.49	20	<0.05	3.07	53	1.0
DD008246		0.005	0.16	2.35	24	0.06	11.10	297	1.3
DD008247		0.010	0.12	0.73	36	0.20	9.20	81	0.8
DD008248		0.012	0.13	0.99	36	0.11	7.75	103	1.0
DD008249		0.006	0.16	0.84	31	0.07	14.30	111	1.9
DD008250		0.009	0.13	0.83	30	0.07	10.05	106	1.2
ZZ02773		0.009	0.13	0.84	31	0.10	8.09	109	1.1
ZZ02774		0.015	0.17	0.89	31	0.19	9.41	120	1.1
ZZ02775		0.006	0.17	0.93	32	0.10	14.30	107	1.6
ZZ02776		0.007	0.24	1.03	36	0.11	13.45	154	1.9
ZZ02777		0.022	0.20	0.86	47	0.15	12.40	296	1.9
ZZ02778		0.015	0.19	0.86	39	0.14	16.25	116	2.0
ZZ02779		0.008	0.23	0.87	33	0.08	9.97	113	1.6
ZZ02780		0.005	0.12	2.40	19	0.09	14.05	190	1.2
ZZ02781		<0.005	0.15	0.46	20	0.06	4.07	50	1.5
ZZ02782		<0.005	0.20	0.99	34	0.08	10.85	99	2.0
ZZ02783		0.013	0.16	0.81	39	0.14	5.79	87	1.9
ZZ02784		0.007	0.12	1.08	30	0.07	9.10	106	1.1
ZZ02785		0.005	0.20	1.66	21	0.07	10.10	638	1.6
ZZ02786		0.005	0.16	1.08	29	0.08	12.20	270	1.2
ZZ02787		0.009	0.19	0.85	37	0.09	8.48	113	1.4
ZZ02788		0.011	0.67	1.12	27	0.20	12.80	163	1.4



ALS Canada Ltd.  
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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
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**CERTIFICATE OF ANALYSIS WH12188680**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ02789		0.13	0.002	0.07	1.96	333	<0.2	<10	270	1.09	0.28	2.33	0.32	40.4	11.8	26
ZZ02790		0.18	0.001	0.07	1.39	154.0	<0.2	<10	160	0.79	0.20	1.02	0.42	36.6	7.8	23
ZZ02791		0.16	0.002	0.11	1.63	355	<0.2	<10	230	0.88	0.26	1.42	0.47	31.1	10.2	27
ZZ02792		0.13	0.003	0.16	1.03	57.7	<0.2	<10	130	0.81	0.24	1.18	0.26	34.5	8.2	15
ZZ02793		0.17	0.003	0.17	0.92	293	<0.2	<10	120	0.55	0.17	5.90	0.59	19.55	6.0	14
ZZ02794		0.13	0.001	0.05	1.54	70.7	<0.2	<10	160	0.66	0.20	1.11	0.73	27.6	6.5	20
ZZ02795		0.10	0.002	0.08	2.23	97.2	<0.2	<10	230	0.92	0.28	2.52	0.61	72.2	9.3	25
ZZ02796		0.13	0.002	0.14	1.30	1340	<0.2	10	340	0.67	0.16	8.22	1.41	45.1	6.4	13
ZZ02797		0.18	0.001	0.16	1.81	903	<0.2	<10	200	0.79	0.26	2.56	1.05	21.3	7.8	24
ZZ02798		0.24	0.001	0.04	0.78	347	<0.2	<10	80	0.43	0.19	0.21	0.12	22.8	6.2	13
ZZ02799		0.26	0.010	0.08	1.56	106.5	<0.2	<10	200	0.58	0.20	6.71	0.49	25.8	7.4	19
ZZ02800		0.18	0.002	0.06	2.97	98.4	<0.2	<10	220	1.34	0.31	0.44	0.39	43.0	12.2	41
CC143501		0.24	0.004	0.15	1.72	5.4	<0.2	<10	180	1.33	0.34	0.20	0.06	16.10	16.3	27
CC143502		0.11	0.002	0.14	1.09	3.7	<0.2	<10	170	0.70	0.24	2.01	0.11	8.04	6.6	17
CC143503		0.22	0.001	0.11	1.18	21.0	<0.2	<10	150	1.04	0.32	0.74	0.12	16.60	11.7	21
CC143504		0.27	0.002	0.06	1.06	33.7	<0.2	<10	200	1.12	0.41	0.69	0.13	20.4	18.0	19
CC143505		0.14	0.001	0.09	1.33	25.6	<0.2	<10	290	1.38	0.42	0.62	0.27	22.9	15.6	22
CC143506		0.18	0.001	0.05	1.17	19.7	<0.2	<10	190	0.70	0.33	0.78	0.12	19.55	12.3	21
CC143507		0.11	0.001	0.03	1.04	18.2	<0.2	<10	160	0.99	0.42	0.58	0.15	17.25	14.5	17
CC143508		0.26	0.002	0.06	0.96	30.2	<0.2	<10	180	2.03	0.39	1.31	0.16	20.6	12.8	20
CC143509		0.22	0.001	0.01	1.09	27.9	<0.2	<10	130	0.81	0.36	0.17	0.05	16.40	12.0	22
CC143510		0.21	0.001	0.01	1.07	18.3	<0.2	<10	130	0.69	0.32	0.37	0.10	15.65	10.9	19
CC143511		0.38	0.001	0.06	1.02	33.8	<0.2	<10	130	0.88	0.38	0.96	0.20	18.30	16.8	18
CC143512		0.24	0.003	0.09	1.03	29.5	<0.2	<10	170	0.91	0.38	1.06	0.25	19.85	15.9	18
CC143513		0.16	0.002	0.07	0.91	24.5	<0.2	10	210	0.75	0.28	2.17	0.38	14.00	10.2	15
CC143514		0.14	0.007	0.10	0.69	15.5	<0.2	10	260	0.73	0.18	4.25	0.80	9.18	6.7	9
CC143515		0.29	0.004	0.10	1.11	17.4	<0.2	<10	180	1.57	0.40	1.40	0.19	16.35	15.1	20
CC143516		0.22	0.002	0.08	1.11	30.5	<0.2	<10	220	0.98	0.36	1.63	0.31	18.15	15.8	18
CC143517		0.26	0.002	0.07	0.91	33.7	<0.2	<10	210	0.82	0.35	1.66	0.48	20.9	17.8	15
CC143518		0.30	0.002	0.06	1.19	32.5	<0.2	<10	250	0.89	0.35	1.00	0.27	18.50	13.6	21
CC143519		0.24	0.002	0.09	1.28	28.7	<0.2	<10	200	0.83	0.36	0.78	0.19	19.10	13.7	23
CC143520		0.19	0.002	0.08	0.68	39.5	<0.2	<10	140	0.65	0.27	2.01	0.29	15.15	9.3	12
CC143521		0.19	0.003	0.14	0.95	21.7	<0.2	<10	160	0.78	0.31	1.48	0.21	15.20	8.6	17
CC143522		0.18	0.002	0.10	0.95	41.7	<0.2	<10	120	0.73	0.31	1.44	0.37	18.95	14.8	18
CC143523		0.29	0.003	0.09	1.07	30.5	<0.2	<10	110	0.74	0.30	1.72	0.27	15.55	11.3	18
CC143524		0.28	0.002	0.06	1.29	16.3	<0.2	<10	80	0.94	0.43	0.77	0.13	21.1	16.5	25
CC143525		0.37	0.001	0.07	0.88	23.5	<0.2	<10	90	0.77	0.33	3.17	0.38	20.7	16.5	16
CC143526		0.19	0.002	0.08	1.01	35.5	<0.2	<10	190	0.63	0.27	1.63	0.44	16.40	11.3	17
CC143527		0.19	0.003	0.10	0.94	52.7	<0.2	<10	230	0.67	0.27	2.85	0.34	18.80	12.2	16
CC143528		0.11	0.004	0.15	1.19	28.1	<0.2	<10	340	0.69	0.24	2.32	0.44	19.10	9.7	18

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ02789		0.89	13.0	5.78	5.43	0.08	0.09	1.32	0.040	0.12	19.9	14.6	1.41	2690	0.87	0.01
ZZ02790		0.79	9.0	3.38	3.81	0.05	0.05	1.07	0.024	0.05	14.6	7.3	0.52	1140	0.82	0.01
ZZ02791		1.02	13.2	3.78	4.52	<0.05	0.07	0.96	0.028	0.08	13.3	15.6	0.96	1300	0.98	0.01
ZZ02792		2.21	12.8	2.72	2.96	0.05	0.07	0.38	0.025	0.07	18.0	11.0	0.30	577	0.59	0.01
ZZ02793		3.63	15.0	2.50	2.35	<0.05	0.05	0.57	0.016	0.07	9.4	7.7	2.78	977	0.53	0.02
ZZ02794		1.01	6.6	3.94	4.04	<0.05	0.07	0.18	0.025	0.06	10.6	10.4	0.71	2540	0.69	0.01
ZZ02795		1.48	10.7	4.72	5.82	0.08	0.06	0.13	0.035	0.08	28.4	12.8	0.56	3680	0.87	0.02
ZZ02796		0.74	13.2	5.13	2.86	0.08	0.04	0.25	0.024	0.05	20.8	4.5	3.88	4500	0.74	0.02
ZZ02797		7.07	18.2	3.67	4.30	<0.05	0.04	0.30	0.032	0.07	10.7	17.3	1.14	1140	1.08	0.02
ZZ02798		1.38	10.8	2.14	2.38	<0.05	0.03	0.14	0.018	0.06	8.0	7.3	0.15	299	0.54	0.01
ZZ02799		0.66	13.4	4.47	3.58	<0.05	0.05	0.20	0.020	0.06	14.8	9.9	4.15	3190	0.66	0.02
ZZ02800		1.48	12.0	6.67	8.12	0.07	0.12	0.17	0.041	0.07	21.7	18.4	0.69	3570	0.93	0.01
CC143501		2.55	20.2	3.27	5.97	<0.05	0.05	0.03	0.025	0.22	6.1	65.7	0.41	517	0.53	0.01
CC143502		1.59	24.1	2.00	3.43	<0.05	0.04	0.08	0.013	0.13	3.8	28.7	0.40	196	0.33	0.01
CC143503		0.95	55.1	3.72	3.59	<0.05	0.05	0.27	0.030	0.10	7.3	22.4	0.39	666	0.64	0.01
CC143504		0.98	54.1	4.08	4.02	0.08	0.05	0.34	0.034	0.08	8.7	16.8	0.37	919	0.75	0.01
CC143505		1.15	65.3	3.98	4.60	0.08	0.08	0.15	0.035	0.11	10.8	23.2	0.32	832	0.86	0.01
CC143506		0.73	27.9	3.43	4.43	0.07	0.05	0.09	0.032	0.07	9.2	19.3	0.41	504	0.78	<0.01
CC143507		1.89	42.8	3.42	3.73	0.07	0.04	0.12	0.031	0.09	7.4	13.8	0.21	695	0.77	<0.01
CC143508		5.27	117.5	3.56	3.17	0.10	0.06	0.17	0.030	0.09	9.7	21.4	0.56	1220	0.91	0.01
CC143509		1.02	29.4	3.73	3.96	0.06	0.02	0.05	0.027	0.07	7.0	19.5	0.30	340	0.83	<0.01
CC143510		0.75	15.6	3.37	4.18	0.06	0.03	0.09	0.026	0.09	6.6	26.8	0.26	496	0.54	<0.01
CC143511		1.17	45.6	3.85	3.63	0.08	0.06	0.36	0.036	0.09	8.6	18.9	0.55	823	0.76	0.01
CC143512		1.10	34.9	3.63	3.52	0.08	0.07	0.34	0.033	0.10	8.9	16.0	0.44	582	0.73	<0.01
CC143513		0.99	29.8	2.71	3.10	0.05	0.06	0.26	0.026	0.11	6.7	12.1	0.33	373	0.82	0.01
CC143514		0.85	32.7	1.69	2.06	0.05	0.04	0.20	0.017	0.07	5.6	6.0	0.32	276	0.59	0.01
CC143515		4.94	147.0	3.08	3.90	0.07	0.09	0.28	0.029	0.11	7.4	29.9	0.62	952	0.73	0.01
CC143516		1.40	39.8	3.60	3.85	0.08	0.06	0.36	0.034	0.12	9.0	14.9	0.46	734	0.91	0.01
CC143517		1.27	37.4	3.62	3.30	0.07	0.05	0.35	0.031	0.10	8.6	13.2	0.71	1180	0.99	0.01
CC143518		0.90	39.6	3.62	4.24	0.07	0.06	0.31	0.036	0.10	8.5	23.5	0.46	768	0.90	<0.01
CC143519		1.06	32.9	3.72	4.52	0.08	0.09	0.26	0.037	0.11	10.2	22.3	0.51	549	0.69	0.01
CC143520		2.48	25.7	2.84	2.31	0.06	0.04	1.40	0.027	0.08	7.7	9.0	0.73	504	0.82	0.01
CC143521		2.39	47.2	2.83	3.28	0.07	0.06	0.35	0.029	0.09	7.8	16.2	0.36	256	0.59	<0.01
CC143522		1.69	38.0	3.70	3.55	0.08	0.05	0.49	0.034	0.08	8.7	15.5	0.79	806	1.06	0.01
CC143523		1.06	34.4	3.14	3.75	0.07	0.05	0.42	0.029	0.08	7.9	19.0	0.44	505	0.86	0.01
CC143524		2.57	37.7	4.48	5.18	0.08	0.09	0.16	0.043	0.11	9.3	36.7	0.62	298	0.53	0.01
CC143525		1.64	32.0	2.65	3.32	0.06	0.07	0.35	0.032	0.10	9.0	17.4	1.13	238	0.41	0.01
CC143526		0.92	27.7	3.05	3.33	0.07	0.04	0.48	0.028	0.08	7.4	14.1	0.43	537	0.64	0.01
CC143527		0.78	29.9	3.24	3.13	0.07	0.03	0.61	0.032	0.06	8.9	12.4	1.18	926	0.85	0.01
CC143528		0.65	22.4	2.71	3.67	0.06	0.03	0.34	0.026	0.05	9.6	16.1	0.51	812	0.61	0.01

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ02789		0.69	24.9	420	31.1	11.3	<0.001	0.02	4.78	6.9	0.9	0.7	25.0	<0.01	0.06	4.9
ZZ02790		0.56	19.4	190	27.7	6.2	<0.001	0.01	1.37	5.3	0.2	0.5	19.4	<0.01	0.04	4.5
ZZ02791		0.90	26.4	260	24.3	11.9	<0.001	0.02	1.56	5.1	0.7	0.5	22.8	<0.01	0.05	4.8
ZZ02792		0.53	21.6	250	21.8	9.3	<0.001	0.03	1.08	4.6	0.7	0.4	41.0	<0.01	0.04	4.3
ZZ02793		0.32	17.4	640	24.2	13.8	<0.001	0.05	1.99	2.5	0.8	0.3	72.8	<0.01	0.02	1.0
ZZ02794		0.72	16.7	340	21.0	9.8	<0.001	0.02	1.28	3.3	0.3	0.5	16.2	<0.01	0.05	2.8
ZZ02795		0.86	17.7	840	34.8	13.9	<0.001	0.07	1.66	4.0	1.1	0.7	34.3	0.01	0.08	2.0
ZZ02796		0.30	13.2	1740	13.5	9.9	<0.001	0.14	1.79	1.7	1.6	0.3	87.2	0.01	0.06	0.4
ZZ02797		0.57	23.2	1110	19.0	20.9	<0.001	0.09	1.09	2.5	1.3	0.5	32.2	<0.01	0.03	0.8
ZZ02798		0.36	14.8	90	20.3	11.1	<0.001	0.01	0.32	2.4	0.3	0.4	14.1	<0.01	0.01	4.0
ZZ02799		0.40	16.5	1120	18.1	6.7	<0.001	0.06	1.07	2.9	0.6	0.4	25.2	<0.01	0.04	1.2
ZZ02800		0.97	29.3	310	36.1	15.1	<0.001	0.02	1.56	7.5	0.7	0.9	11.5	<0.01	0.06	5.6
CC143501		0.57	25.2	210	16.9	31.8	<0.001	0.01	0.22	3.5	0.2	0.8	22.6	<0.01	0.02	3.7
CC143502		0.48	17.3	420	8.7	16.4	<0.001	0.08	0.25	2.2	0.4	0.5	109.0	<0.01	0.02	0.9
CC143503		0.51	25.2	370	20.6	8.8	<0.001	0.03	0.46	4.9	0.8	0.5	63.2	<0.01	0.04	3.3
CC143504		0.57	31.5	210	27.6	8.2	<0.001	0.01	0.57	5.4	0.6	0.6	26.5	0.01	0.03	4.0
CC143505		0.70	29.7	270	28.8	11.9	<0.001	0.02	0.54	6.2	0.7	0.6	84.8	0.01	0.03	4.8
CC143506		0.76	23.2	180	21.0	11.4	<0.001	0.01	0.47	4.3	0.5	0.6	34.6	<0.01	0.04	3.9
CC143507		0.47	22.2	210	26.6	14.1	<0.001	0.02	0.45	4.6	0.7	0.5	36.6	<0.01	0.04	4.1
CC143508		0.65	21.9	440	28.0	15.2	<0.001	0.03	0.63	6.5	1.1	0.6	39.6	0.01	0.05	3.7
CC143509		0.54	21.1	110	19.3	11.8	<0.001	<0.01	0.42	3.2	0.3	0.6	13.8	<0.01	0.04	4.4
CC143510		0.57	17.8	120	20.0	14.1	<0.001	<0.01	0.35	3.2	0.3	0.5	20.8	<0.01	0.03	3.6
CC143511		0.46	30.4	320	25.8	13.6	<0.001	0.02	0.62	5.0	0.8	0.5	32.0	<0.01	0.04	2.9
CC143512		0.46	26.2	260	28.6	11.5	<0.001	0.02	0.58	5.2	1.1	0.5	38.2	<0.01	0.03	3.2
CC143513		0.42	22.7	500	18.9	10.9	0.001	0.07	0.62	3.6	1.3	0.5	108.5	0.01	0.03	1.5
CC143514		0.28	21.4	760	11.1	7.1	<0.001	0.12	0.50	1.5	1.4	0.3	155.5	0.01	0.03	0.5
CC143515		0.54	30.7	350	23.5	16.4	0.002	0.07	0.46	6.9	1.5	0.5	96.0	<0.01	0.04	3.9
CC143516		0.41	32.1	350	26.7	11.2	<0.001	0.03	0.70	5.3	1.1	0.5	54.0	<0.01	0.04	2.8
CC143517		0.34	30.1	330	27.5	8.3	<0.001	0.03	0.63	4.5	1.0	0.5	82.0	<0.01	0.04	2.7
CC143518		0.52	28.2	290	24.3	9.4	<0.001	0.03	0.75	4.9	1.0	0.6	98.0	<0.01	0.04	2.8
CC143519		0.52	27.6	380	22.3	12.3	<0.001	0.02	0.53	5.1	0.9	0.5	38.4	<0.01	0.03	2.6
CC143520		0.35	21.4	520	23.3	10.6	<0.001	0.04	0.77	3.7	0.9	0.4	33.1	<0.01	0.03	1.8
CC143521		0.44	23.1	520	18.4	15.7	<0.001	0.06	0.62	4.0	1.4	0.4	51.3	<0.01	0.03	2.0
CC143522		0.48	29.8	540	25.8	9.4	<0.001	0.03	0.82	5.0	0.8	0.5	29.1	<0.01	0.04	3.0
CC143523		0.60	26.7	480	19.2	9.0	<0.001	0.05	0.74	3.8	1.0	0.5	54.1	<0.01	0.03	1.7
CC143524		0.41	34.3	350	28.3	15.4	<0.001	0.03	0.25	6.3	0.7	0.6	29.7	<0.01	0.02	5.8
CC143525		0.57	29.8	410	28.0	16.8	<0.001	0.03	0.47	5.8	0.8	0.5	66.6	<0.01	0.03	4.6
CC143526		0.62	21.3	560	22.5	9.4	<0.001	0.08	0.72	3.6	1.1	0.4	58.6	<0.01	0.03	1.4
CC143527		0.54	23.1	580	27.4	6.0	<0.001	0.04	0.99	4.2	0.9	0.4	41.8	<0.01	0.03	1.7
CC143528		0.72	18.8	680	19.0	6.1	<0.001	0.07	0.64	2.8	1.1	0.4	62.2	0.01	0.03	0.8



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ02789		0.010	1.59	0.75	44	0.15	18.70	116	2.9
ZZ02790		0.010	0.71	0.78	39	0.15	12.15	123	1.7
ZZ02791		0.021	0.54	0.87	43	0.17	9.28	133	2.1
ZZ02792		0.012	0.49	1.26	25	0.10	11.80	77	2.4
ZZ02793		0.010	0.49	1.98	20	0.13	8.92	134	1.1
ZZ02794		0.018	0.31	0.79	37	0.15	7.48	209	1.9
ZZ02795		0.027	0.35	1.11	54	0.14	23.5	157	1.5
ZZ02796		0.014	0.21	3.54	29	0.13	26.0	140	0.9
ZZ02797		0.020	0.46	1.88	36	0.13	8.82	299	0.9
ZZ02798		0.009	0.29	0.66	19	0.07	2.40	42	1.2
ZZ02799		0.016	0.25	1.40	32	0.15	11.65	173	1.2
ZZ02800		0.023	0.45	2.30	69	0.20	17.45	230	4.4
CC143501		0.011	0.18	0.51	27	0.05	5.72	70	1.4
CC143502		0.012	0.07	2.17	17	0.06	5.59	40	1.0
CC143503		0.010	0.09	1.16	25	0.10	8.74	80	1.4
CC143504		0.008	0.09	0.79	22	<0.05	11.05	87	1.5
CC143505		0.008	0.08	1.67	28	0.06	13.50	75	2.3
CC143506		0.012	0.08	0.69	29	0.10	7.06	64	1.6
CC143507		0.005	0.09	1.20	22	<0.05	7.94	87	1.8
CC143508		0.013	0.07	1.47	26	0.08	19.75	64	1.2
CC143509		0.010	0.08	0.66	27	<0.05	3.68	59	1.4
CC143510		0.009	0.08	0.77	25	<0.05	3.55	56	1.8
CC143511		0.008	0.11	0.64	24	<0.05	10.30	96	1.6
CC143512		0.006	0.10	0.66	23	<0.05	11.80	96	2.1
CC143513		<0.005	0.10	1.76	21	<0.05	8.69	103	1.6
CC143514		<0.005	0.07	2.98	12	<0.05	9.48	56	1.5
CC143515		0.007	0.11	2.02	22	<0.05	12.85	78	3.7
CC143516		<0.005	0.13	0.93	24	<0.05	12.45	97	1.7
CC143517		0.005	0.12	1.06	22	<0.05	9.67	98	1.4
CC143518		0.006	0.13	1.06	27	<0.05	10.20	89	1.7
CC143519		0.008	0.12	0.59	27	<0.05	11.25	118	2.1
CC143520		0.005	0.11	0.81	20	<0.05	9.85	152	1.3
CC143521		0.007	0.09	1.08	20	<0.05	9.59	69	1.8
CC143522		0.008	0.15	0.89	26	<0.05	10.55	118	1.4
CC143523		0.008	0.11	1.36	25	0.05	9.43	91	1.4
CC143524		0.006	0.08	0.53	25	<0.05	10.70	95	2.8
CC143525		0.009	0.12	0.56	21	<0.05	10.10	115	2.2
CC143526		0.009	0.11	1.14	23	0.06	8.97	113	1.4
CC143527		0.010	0.12	1.34	24	0.05	11.30	96	1.0
CC143528		0.013	0.07	1.61	28	0.06	9.86	67	0.9





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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143529		0.12	0.004	0.07	0.87	33.4	<0.2	10	210	0.61	0.24	3.06	0.40	11.85	9.0	13
CC143530		0.15	0.002	0.07	0.83	27.6	<0.2	10	250	0.53	0.22	3.64	0.38	12.00	7.4	13
CC143531		0.28	0.002	0.04	1.15	61.3	<0.2	<10	130	0.90	0.32	1.55	0.12	20.2	14.7	19
CC143532		0.24	0.002	0.09	1.18	160.5	<0.2	<10	260	0.88	0.38	1.91	0.48	16.80	14.3	17
CC143533		0.16	0.002	0.10	0.71	247	<0.2	10	190	0.72	0.34	3.30	0.77	12.70	10.6	11
CC143534		0.11	0.002	0.05	1.15	39.4	<0.2	<10	140	0.55	0.35	0.70	0.41	21.4	14.1	17
CC143535		0.14	0.004	0.28	1.75	35.2	<0.2	<10	280	0.99	0.30	2.07	0.84	34.1	14.0	25
CC143536		0.25	0.001	0.02	1.94	99.1	<0.2	<10	130	0.65	0.25	0.45	0.25	22.4	8.2	26
CC143537		0.16	0.001	0.04	1.80	27.0	<0.2	<10	140	0.56	0.32	0.57	1.02	26.1	12.7	27
CC143538		0.14	0.003	0.06	1.37	40.9	<0.2	<10	130	0.88	0.32	3.15	0.38	20.6	14.7	20
CC143539		0.16	0.001	0.02	1.36	41.8	<0.2	<10	160	0.77	0.30	0.44	0.17	22.6	12.0	22
CC143540		0.20	0.005	0.09	1.25	63.6	<0.2	<10	210	0.77	0.26	1.86	0.25	22.1	12.6	21
CC143541		0.33	0.003	0.11	1.04	70.4	<0.2	<10	180	0.62	0.24	3.23	0.23	22.2	10.6	18
CC143542		0.15	0.002	0.10	1.26	73.6	<0.2	<10	200	0.84	0.29	1.76	0.20	15.70	11.3	17
CC143543		0.18	0.001	0.03	1.14	52.7	<0.2	<10	130	0.68	0.24	0.54	0.15	27.9	10.3	18
CC143544		0.16	0.002	0.15	1.32	54.1	<0.2	<10	190	0.95	0.25	2.73	0.27	19.95	8.6	18
CC143545		0.20	0.002	0.11	1.23	45.2	<0.2	<10	180	0.69	0.21	3.55	0.29	19.90	7.8	18
CC143546		0.15	0.001	0.04	1.29	87.5	<0.2	<10	190	0.77	0.29	0.59	0.37	21.9	10.1	19
CC143547		0.18	0.002	0.07	0.93	81.1	<0.2	<10	140	0.81	0.27	2.69	0.15	18.25	12.1	15
CC143548		0.15	0.001	0.07	1.05	57.1	<0.2	<10	230	1.02	0.30	1.55	0.21	20.7	11.1	14
CC143549		0.10	0.002	0.05	1.59	280	<0.2	<10	170	0.79	0.24	3.70	0.34	30.1	10.8	22
CC143550		0.23	0.002	0.05	1.85	189.0	<0.2	<10	190	0.84	0.25	3.02	0.28	31.1	10.6	22
CC143551		0.16	0.004	0.11	1.94	220	<0.2	10	220	0.76	0.32	3.47	0.49	48.4	10.7	22
CC143552		0.16	0.003	0.06	1.82	85.9	<0.2	<10	180	0.84	0.27	4.02	0.26	34.2	11.1	21
CC143553		0.21	0.002	0.04	1.74	72.9	<0.2	<10	160	0.91	0.30	1.25	0.19	30.6	12.9	24
CC143554		0.18	0.002	0.03	1.70	55.4	<0.2	<10	160	0.87	0.31	0.73	0.22	29.7	11.6	24
CC143555		0.14	0.001	0.05	1.92	98.7	<0.2	<10	190	0.82	0.21	5.25	0.68	32.9	8.9	19
CC143556		0.19	0.003	0.06	1.01	130.5	<0.2	<10	120	0.67	0.21	4.63	0.37	18.85	9.5	13
CC143557		0.13	0.003	0.04	1.53	286	<0.2	<10	180	0.68	0.18	5.58	0.59	27.1	7.9	16
CC143558		0.33	0.002	0.07	1.36	30.7	<0.2	<10	190	0.93	0.32	2.21	0.15	18.40	14.0	21
CC143559		0.09	0.002	0.06	1.11	34.0	<0.2	<10	140	1.10	0.49	1.99	0.14	27.4	20.7	15
CC143560		0.26	0.003	0.06	0.53	12.4	<0.2	<10	120	0.94	0.64	3.51	0.05	44.0	30.5	6
CC143561		0.18	0.004	0.06	0.87	19.1	<0.2	<10	130	0.99	0.47	1.83	0.09	35.2	16.4	12
CC143562		0.23	0.002	0.07	0.73	44.4	<0.2	<10	210	0.72	0.25	9.21	0.28	16.45	13.9	12
CC143563		0.21	0.002	0.04	1.33	49.1	<0.2	<10	180	0.82	0.23	1.66	0.27	22.0	9.5	18
CC143564		0.18	0.002	0.06	1.23	44.1	<0.2	<10	190	0.94	0.29	1.49	0.33	20.9	12.1	19
CC143565		0.21	0.001	0.05	1.44	41.4	<0.2	<10	210	0.85	0.26	1.28	0.21	28.2	8.9	19
CC143566		0.13	0.003	0.07	1.42	51.4	<0.2	<10	150	0.79	0.23	5.19	0.33	28.7	9.2	16
CC143567		0.15	0.002	0.04	1.16	28.4	<0.2	<10	130	0.78	0.26	0.62	0.17	28.1	9.5	17
CC143568		0.23	0.001	0.02	1.48	25.5	<0.2	<10	180	0.85	0.25	0.58	0.13	25.2	9.5	21

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



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143529		1.29	25.3	2.53	2.79	0.06	0.05	0.40	0.024	0.06	5.4	11.0	0.42	617	0.57	0.01
CC143530		2.28	24.7	2.24	2.49	0.06	0.04	0.33	0.022	0.05	5.7	9.3	0.55	438	0.62	0.01
CC143531		0.91	30.8	4.19	3.68	0.08	0.06	0.95	0.041	0.06	9.1	12.0	0.74	955	0.60	0.01
CC143532		6.98	38.3	3.39	3.63	0.07	0.04	1.02	0.040	0.10	7.7	20.8	0.44	571	0.64	0.01
CC143533		20.9	27.0	2.38	2.06	0.06	0.06	4.83	0.025	0.07	6.2	7.6	0.71	321	0.38	0.01
CC143534		1.91	15.6	3.02	4.24	0.05	0.03	0.79	0.036	0.06	8.9	10.8	0.24	726	0.65	0.01
CC143535		0.84	54.8	3.50	5.15	0.09	0.05	0.37	0.033	0.05	20.5	14.2	0.76	1480	0.79	0.01
CC143536		1.32	8.7	3.02	6.05	0.07	0.04	0.15	0.033	0.04	12.2	13.6	0.31	568	0.67	<0.01
CC143537		1.68	8.8	3.52	6.97	0.06	0.02	0.12	0.036	0.05	11.7	18.6	0.43	1410	0.84	0.01
CC143538		0.86	30.8	3.85	4.71	0.08	0.05	2.24	0.033	0.07	9.2	15.5	1.02	1220	0.73	0.01
CC143539		0.74	17.8	3.67	4.57	0.07	0.10	0.25	0.033	0.06	9.4	12.7	0.36	727	0.67	<0.01
CC143540		0.67	27.8	3.60	4.18	0.08	0.05	0.70	0.036	0.06	12.4	14.0	1.02	998	0.94	0.01
CC143541		0.90	31.5	3.42	3.67	0.08	0.04	1.66	0.030	0.08	11.8	13.5	1.86	747	0.78	0.01
CC143542		1.14	29.1	3.67	3.79	0.07	0.05	0.32	0.037	0.09	8.8	11.5	0.61	722	0.61	0.01
CC143543		1.25	15.9	3.58	3.82	0.07	0.04	1.11	0.032	0.09	10.0	12.0	0.34	953	0.79	0.01
CC143544		2.65	35.0	3.19	4.07	0.09	0.07	0.33	0.036	0.08	17.2	13.8	1.12	545	0.68	0.01
CC143545		0.92	18.5	2.97	3.86	0.07	0.05	0.23	0.031	0.07	13.5	13.7	1.78	649	0.75	0.01
CC143546		2.76	16.6	3.68	4.46	0.07	0.04	0.23	0.038	0.08	10.7	17.0	0.33	1080	0.74	0.01
CC143547		2.10	25.2	3.58	3.13	0.07	0.05	0.38	0.036	0.09	9.9	11.0	1.32	689	0.61	0.01
CC143548		2.43	23.8	3.90	2.97	0.08	0.05	0.20	0.041	0.11	12.4	10.6	0.37	526	0.52	0.01
CC143549		4.52	15.0	4.69	4.93	0.09	0.05	0.26	0.031	0.09	16.5	17.7	2.34	1940	0.97	0.01
CC143550		1.03	16.0	4.70	5.67	0.09	0.07	0.16	0.035	0.09	16.8	15.6	1.12	1860	0.66	0.01
CC143551		1.42	15.4	5.59	5.79	0.12	0.09	0.56	0.036	0.07	28.3	17.4	1.25	2390	0.69	0.01
CC143552		0.95	15.8	4.22	5.59	0.09	0.09	0.33	0.033	0.07	18.9	14.4	2.49	2070	0.62	0.01
CC143553		1.00	21.7	3.91	5.60	0.08	0.07	0.23	0.040	0.07	14.7	19.8	1.02	1090	0.71	0.01
CC143554		0.81	19.2	4.04	5.66	0.08	0.09	0.36	0.040	0.07	14.3	16.8	0.58	1200	0.76	0.01
CC143555		0.90	11.4	4.63	5.90	0.09	0.07	0.63	0.034	0.06	16.9	13.7	2.63	3240	0.58	0.01
CC143556		0.41	26.7	3.29	3.21	0.07	0.06	1.14	0.032	0.07	9.0	9.2	2.07	1070	0.61	0.01
CC143557		0.84	9.9	4.44	4.49	0.08	0.04	0.90	0.029	0.05	14.7	11.3	3.46	3190	0.76	0.02
CC143558		1.35	32.3	3.56	4.64	0.07	0.04	0.36	0.034	0.08	8.8	18.2	0.72	767	1.08	0.01
CC143559		3.64	30.9	3.26	3.44	0.09	0.06	0.29	0.038	0.13	15.0	11.3	0.61	558	0.45	0.01
CC143560		3.85	54.1	2.53	1.75	0.09	0.05	0.20	0.026	0.16	26.0	6.2	0.23	320	0.32	0.01
CC143561		1.63	41.2	2.34	2.80	0.08	0.07	0.17	0.032	0.13	20.8	13.0	0.33	222	0.38	0.01
CC143562		2.20	29.8	2.71	2.48	0.06	0.05	0.61	0.026	0.09	8.1	9.8	3.59	588	0.97	0.01
CC143563		0.62	14.4	3.36	4.33	0.06	0.06	0.42	0.029	0.08	9.6	12.8	0.97	939	0.84	0.01
CC143564		0.67	29.3	3.57	4.11	0.07	0.05	0.46	0.036	0.12	9.7	13.8	0.45	1050	0.82	0.01
CC143565		0.80	12.6	3.90	4.61	0.07	0.05	0.13	0.033	0.10	11.9	14.6	0.80	1620	0.69	0.01
CC143566		0.81	18.2	4.40	4.26	0.08	0.06	0.20	0.029	0.07	14.7	12.9	2.85	2620	0.88	0.01
CC143567		2.58	13.1	3.01	3.82	0.06	0.05	0.11	0.032	0.09	10.2	9.3	0.19	625	0.61	<0.01
CC143568		1.04	13.0	3.27	5.12	0.06	0.07	0.06	0.030	0.07	8.6	14.0	0.33	1000	0.59	<0.01

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**CERTIFICATE OF ANALYSIS WH12188680**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143529		0.56	17.7	660	19.0	10.4	0.001	0.12	0.58	2.7	1.6	0.4	97.8	0.01	0.03	0.9
CC143530		0.59	15.4	700	18.0	10.6	0.001	0.15	0.64	2.1	2.1	0.3	104.0	0.01	0.03	0.7
CC143531		0.79	26.7	240	32.2	8.5	<0.001	0.01	0.97	7.1	0.7	0.5	24.3	<0.01	0.04	4.2
CC143532		0.64	23.3	330	53.6	22.6	<0.001	0.05	2.11	4.9	1.6	0.6	59.1	<0.01	0.04	1.9
CC143533		0.44	16.2	730	103.5	13.0	0.001	0.14	1.38	4.0	2.2	0.4	83.7	<0.01	0.06	1.3
CC143534		0.77	16.9	190	38.1	9.8	<0.001	0.01	1.37	4.4	0.4	0.6	18.3	<0.01	0.05	3.5
CC143535		0.99	30.2	730	18.9	6.8	<0.001	0.05	0.78	5.2	1.6	0.5	31.1	0.01	0.04	1.6
CC143536		1.04	18.0	200	17.9	11.2	<0.001	0.01	0.82	5.1	0.6	0.7	13.3	<0.01	0.04	3.1
CC143537		1.46	19.5	250	28.6	16.2	<0.001	0.01	0.92	2.9	0.4	0.7	24.4	<0.01	0.06	2.7
CC143538		0.72	27.8	440	26.8	8.5	<0.001	0.02	0.80	5.0	0.7	0.6	51.2	<0.01	0.04	3.2
CC143539		0.96	22.6	120	42.6	9.1	<0.001	<0.01	0.76	5.2	0.5	0.5	13.0	<0.01	0.03	5.0
CC143540		0.59	24.9	380	26.9	7.7	<0.001	0.03	1.13	5.4	1.0	0.6	26.2	<0.01	0.04	2.5
CC143541		0.62	22.7	620	24.4	7.1	<0.001	0.03	1.03	5.2	0.8	0.5	37.4	<0.01	0.03	3.1
CC143542		0.52	22.6	460	27.5	10.2	<0.001	0.04	1.02	6.0	0.9	0.6	39.7	<0.01	0.05	1.8
CC143543		0.72	19.2	230	20.7	11.7	<0.001	0.02	1.00	4.2	0.5	0.5	16.8	<0.01	0.05	3.3
CC143544		0.68	23.5	650	22.1	11.7	<0.001	0.07	1.10	5.5	1.3	0.5	44.5	0.01	0.04	1.8
CC143545		0.71	18.2	510	19.6	9.4	<0.001	0.05	0.91	4.4	0.8	0.5	40.5	<0.01	0.04	1.8
CC143546		0.78	19.4	220	22.0	18.5	<0.001	0.02	0.87	4.9	0.5	0.6	22.4	<0.01	0.04	3.1
CC143547		0.50	23.2	330	43.0	12.1	<0.001	0.03	1.10	5.8	0.8	0.5	35.4	<0.01	0.05	3.0
CC143548		0.36	22.6	420	24.8	10.7	<0.001	0.03	0.85	6.4	0.9	0.5	39.6	<0.01	0.07	2.6
CC143549		0.95	20.8	510	24.0	18.8	<0.001	0.03	2.32	4.5	0.7	0.6	26.4	<0.01	0.05	3.2
CC143550		0.82	20.6	340	26.8	10.7	<0.001	0.03	1.63	5.2	0.7	0.7	24.7	0.01	0.05	3.6
CC143551		0.80	16.7	650	55.7	13.9	<0.001	0.05	6.33	5.6	0.8	0.8	40.0	0.01	0.10	3.6
CC143552		0.76	20.0	450	35.1	9.7	<0.001	0.03	1.65	5.7	0.7	0.8	20.9	0.01	0.06	4.0
CC143553		0.71	25.0	160	29.9	11.8	<0.001	0.01	0.93	6.6	0.6	0.8	11.1	<0.01	0.04	5.3
CC143554		0.93	21.6	150	31.1	8.6	<0.001	0.01	0.91	5.9	0.6	0.7	12.9	<0.01	0.04	5.4
CC143555		0.81	15.0	550	26.2	9.5	<0.001	0.03	1.86	4.6	0.7	0.7	21.6	0.01	0.04	2.6
CC143556		0.48	15.6	590	25.5	5.7	<0.001	0.04	1.43	4.8	0.8	0.4	41.3	<0.01	0.03	2.5
CC143557		0.53	12.1	760	25.0	8.2	<0.001	0.05	2.20	3.0	0.7	0.5	26.1	0.01	0.05	1.3
CC143558		0.55	25.7	450	23.5	8.2	<0.001	0.03	0.72	4.9	0.6	0.6	41.5	<0.01	0.04	2.7
CC143559		0.43	28.8	710	25.4	8.0	<0.001	0.06	1.37	6.8	0.8	0.6	28.3	<0.01	0.11	3.3
CC143560		0.17	30.1	670	26.8	10.4	<0.001	0.04	0.84	7.1	0.7	0.5	56.5	<0.01	0.15	4.7
CC143561		0.28	24.4	620	22.6	8.3	<0.001	0.04	0.65	6.7	0.7	0.4	37.6	<0.01	0.09	3.4
CC143562		0.33	24.6	670	24.1	6.8	<0.001	0.03	1.32	5.3	0.6	0.4	84.9	<0.01	0.05	4.1
CC143563		0.59	16.3	350	27.9	7.2	<0.001	0.02	0.85	4.1	0.4	0.6	16.3	<0.01	0.03	3.2
CC143564		0.54	22.1	360	29.5	9.0	<0.001	0.03	0.75	5.2	0.7	0.6	26.3	<0.01	0.04	3.1
CC143565		0.67	15.4	220	27.8	12.6	<0.001	0.02	0.54	4.7	0.5	0.6	15.9	<0.01	0.04	4.2
CC143566		0.59	17.6	590	24.0	8.3	<0.001	0.05	0.74	4.1	0.7	0.5	29.4	0.01	0.05	2.4
CC143567		0.59	18.4	150	28.9	9.8	<0.001	0.01	1.02	4.4	0.4	0.6	16.1	<0.01	0.03	5.7
CC143568		0.72	17.0	150	23.6	10.0	<0.001	0.01	0.44	4.4	0.3	0.6	12.5	<0.01	0.03	4.4

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143529		0.008	0.10	1.59	17	<0.05	7.62	99	1.5
CC143530		0.010	0.09	1.58	17	<0.05	7.25	86	1.5
CC143531		0.008	0.15	0.70	22	<0.05	14.25	96	1.9
CC143532		0.006	0.42	2.06	23	<0.05	8.47	293	1.2
CC143533		0.006	0.94	1.77	12	<0.05	10.20	509	1.8
CC143534		0.010	0.17	0.62	31	0.05	5.13	118	1.4
CC143535		0.025	0.10	2.07	43	0.10	24.1	125	1.3
CC143536		0.014	0.23	1.47	50	0.10	17.85	162	2.2
CC143537		0.031	0.17	0.97	58	0.15	4.10	286	1.2
CC143538		0.008	0.14	0.74	25	<0.05	10.95	529	1.7
CC143539		0.010	0.13	1.12	30	0.05	7.66	76	3.7
CC143540		0.008	0.16	0.99	31	0.12	15.05	87	1.6
CC143541		0.012	0.15	0.88	25	0.12	11.30	106	1.5
CC143542		0.005	0.17	1.19	24	0.10	11.95	71	1.5
CC143543		0.012	0.12	0.52	29	0.11	5.85	65	1.7
CC143544		0.009	0.13	1.86	26	0.13	24.0	74	2.0
CC143545		0.010	0.11	1.33	29	0.13	14.50	88	1.6
CC143546		0.011	0.15	0.86	32	0.14	7.55	70	1.6
CC143547		0.006	0.22	0.91	20	0.09	13.10	80	1.6
CC143548		<0.005	0.20	0.96	21	0.08	15.75	71	1.4
CC143549		0.019	1.49	1.03	35	0.16	13.05	132	1.8
CC143550		0.011	0.41	0.71	37	0.16	14.40	92	2.4
CC143551		0.011	0.84	1.36	42	0.22	22.8	93	3.0
CC143552		0.008	0.30	0.82	37	0.18	16.45	69	3.1
CC143553		0.008	0.25	0.56	36	0.15	13.65	77	2.9
CC143554		0.011	0.20	0.68	38	0.17	11.40	74	3.3
CC143555		0.013	0.46	1.05	35	0.15	14.15	158	2.3
CC143556		0.005	0.26	0.69	21	0.10	12.45	135	2.0
CC143557		0.010	0.74	0.96	33	0.17	13.70	143	1.2
CC143558		0.009	0.11	0.82	27	0.15	9.25	88	1.2
CC143559		0.006	0.18	0.60	21	0.09	15.75	45	1.8
CC143560		<0.005	0.11	0.56	8	<0.05	16.35	57	1.8
CC143561		<0.005	0.10	0.60	13	0.09	15.15	56	1.8
CC143562		<0.005	0.32	0.84	18	0.07	9.58	89	2.3
CC143563		0.007	0.19	0.67	29	0.11	7.13	222	2.0
CC143564		0.006	0.14	0.71	27	0.10	11.05	94	1.7
CC143565		0.009	0.14	0.68	31	0.10	9.54	68	2.1
CC143566		0.010	0.13	1.02	27	0.13	14.65	67	2.2
CC143567		0.007	0.32	0.83	27	0.08	6.53	38	2.6
CC143568		0.008	0.14	0.72	30	0.09	4.90	62	3.2



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143569		0.22	0.003	0.12	0.84	17.2	<0.2	<10	190	0.70	0.21	3.42	0.28	23.0	8.0	11
CC143570		0.21	0.003	0.11	0.72	24.2	<0.2	<10	180	0.91	0.31	2.16	0.24	16.00	10.8	10
CC143571		0.18	0.002	0.15	1.07	29.8	<0.2	<10	270	0.85	0.27	2.20	0.53	18.40	11.6	14
CC143572		0.11	0.004	0.10	0.67	33.1	<0.2	<10	140	0.61	0.22	3.29	0.69	11.25	11.1	12
CC143573		0.20	0.003	0.08	1.36	48.1	<0.2	<10	150	0.78	0.25	2.56	0.30	19.50	8.9	19
CC143574		0.14	0.001	0.04	1.88	72.9	<0.2	<10	230	0.98	0.27	1.38	0.20	35.3	9.7	22
CC143575		0.17	0.002	0.05	2.12	133.5	<0.2	10	280	1.07	0.25	2.98	0.31	34.5	9.4	23
CC143576		0.13	0.001	0.08	1.72	52.2	<0.2	<10	290	0.99	0.30	1.56	0.16	27.6	9.7	20
CC143577		0.15	0.001	0.04	2.26	66.5	<0.2	<10	280	1.06	0.33	1.02	0.18	37.2	11.8	25
CC143578		0.15	0.003	0.07	1.19	139.5	<0.2	<10	160	0.79	0.14	7.54	0.36	20.8	5.1	14
CC143579		0.14	0.001	0.02	1.31	42.7	<0.2	<10	150	1.19	0.15	1.20	0.17	23.6	4.7	13
CC143580		0.17	0.002	0.03	1.12	82.0	<0.2	<10	290	0.93	0.34	0.43	0.10	19.95	11.8	15
CC143581		0.16	0.002	0.04	0.89	43.0	<0.2	<10	250	0.91	0.41	0.26	0.04	17.10	18.5	17
CC143582		0.17	0.003	0.06	1.11	5.9	<0.2	<10	150	0.47	0.39	0.06	0.08	16.05	9.6	20
CC143583		0.15	0.004	0.07	0.79	25.9	<0.2	<10	170	0.75	0.26	1.07	0.24	12.25	8.7	13
CC143584		0.22	0.002	0.14	1.08	42.8	<0.2	<10	230	0.92	0.23	2.55	0.76	27.1	8.9	16
CC143585		0.15	0.002	0.12	1.30	49.0	<0.2	<10	330	0.92	0.30	1.72	0.47	18.10	11.8	18
CC143586		0.12	0.001	0.03	1.25	157	<0.2	<10	170	0.53	0.09	10.80	1.02	46.3	7.1	11
CC143587		0.16	0.004	0.06	2.11	210	<0.2	10	250	1.05	0.27	3.81	1.07	44.2	12.3	22
CC143588		0.22	0.002	0.08	1.10	102	<0.2	<10	60	0.54	0.11	12.30	0.65	36.2	5.7	14
CC143589		0.16	0.004	0.08	0.83	22.2	<0.2	10	260	0.75	0.21	2.86	0.54	10.40	7.7	13
CC143590		0.10	0.010	0.11	1.17	19.6	<0.2	<10	370	1.19	0.20	3.65	0.60	22.9	6.0	12
CC143591		0.18	0.002	0.02	0.91	42.1	<0.2	<10	310	0.98	0.36	0.62	0.11	17.60	14.8	16
CC143592		0.17	0.002	0.02	1.04	18.6	<0.2	<10	210	0.63	0.29	0.29	0.19	29.4	12.9	15
CC143593		0.14	0.001	0.03	1.24	51.1	<0.2	<10	340	0.80	0.30	0.47	0.16	24.2	12.1	19
CC143594		0.26	0.002	0.06	1.15	55.6	<0.2	<10	220	0.81	0.31	2.86	0.22	18.30	14.8	20
CC143595		0.20	0.002	0.03	1.47	45.2	<0.2	<10	160	0.81	0.29	0.46	0.16	29.0	10.4	23
CC143596		0.20	0.002	0.13	1.61	27.2	<0.2	<10	360	0.86	0.25	2.13	0.25	25.7	10.2	24
CC143597		0.15	0.002	0.05	2.22	44.6	<0.2	<10	250	1.23	0.29	1.94	0.44	31.5	10.7	30
CC143598		0.17	0.001	0.02	1.79	117.0	<0.2	<10	120	0.63	0.24	0.17	0.14	22.1	8.4	24
CC143599		0.23	0.016	0.03	1.67	96.7	<0.2	<10	250	0.92	0.28	0.50	0.22	27.8	9.6	23
CC143600		0.22	0.006	0.02	1.75	65.6	<0.2	<10	210	0.94	0.28	0.30	0.09	24.4	11.3	27
CC143601		0.23	0.012	0.02	1.53	39.0	<0.2	<10	230	0.56	0.27	0.44	0.11	18.45	8.9	24
CC143602		0.17	0.004	0.11	0.96	34.8	<0.2	<10	370	0.70	0.20	3.40	0.26	14.45	8.1	16
CC143603		0.16	0.005	0.10	1.21	30.9	<0.2	<10	240	0.76	0.25	1.64	0.22	21.8	10.4	21
CC143604		0.31	0.002	0.08	1.13	65.7	<0.2	<10	190	0.81	0.29	2.29	0.36	19.70	12.1	20
CC143605		0.14	0.002	0.07	0.96	70.9	<0.2	<10	170	0.74	0.25	2.92	0.42	16.70	10.9	16
CC143606		0.14	0.002	0.11	1.17	59.4	<0.2	<10	190	0.89	0.29	1.72	0.41	16.90	9.7	19
CC143607		0.20	0.003	0.07	1.18	10.4	<0.2	<10	230	0.79	0.24	0.80	0.11	34.5	8.3	17
CC143608		0.17	0.001	0.02	1.52	21.8	<0.2	<10	210	0.71	0.25	0.41	0.04	33.7	9.0	21



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**CERTIFICATE OF ANALYSIS WH12188680**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143569		1.67	28.5	2.17	2.42	0.06	0.05	0.46	0.024	0.08	11.6	8.6	0.25	429	0.51	0.01
CC143570		1.20	28.8	2.92	2.09	0.06	0.03	0.32	0.031	0.07	6.9	7.5	0.26	616	0.59	0.01
CC143571		1.41	37.5	3.11	3.09	0.07	0.04	0.23	0.032	0.07	8.4	12.3	0.39	776	0.59	0.01
CC143572		0.65	35.3	2.80	2.28	0.06	0.05	0.97	0.028	0.08	5.2	10.2	1.01	614	1.42	0.01
CC143573		0.82	18.9	3.28	4.29	0.06	0.06	0.16	0.034	0.08	9.7	15.5	1.36	673	0.65	0.01
CC143574		0.94	11.6	4.33	5.73	0.09	0.09	0.10	0.036	0.11	16.8	18.4	0.77	1730	0.70	0.01
CC143575		1.29	13.3	4.88	6.24	0.09	0.10	0.07	0.034	0.11	16.9	18.3	1.82	2260	0.68	0.01
CC143576		1.15	14.4	3.99	4.72	0.07	0.07	0.13	0.032	0.09	12.3	14.1	0.80	1560	0.50	0.01
CC143577		1.15	14.1	4.49	6.76	0.09	0.11	0.05	0.040	0.14	17.6	20.9	0.74	1820	0.66	0.01
CC143578		0.95	9.8	3.05	3.29	0.06	0.05	0.19	0.018	0.06	9.4	8.1	3.81	2160	0.52	0.02
CC143579		0.83	6.1	5.61	3.70	0.08	0.07	0.05	0.020	0.03	11.5	7.0	0.77	2720	0.72	0.01
CC143580		1.55	15.4	2.86	3.63	0.05	0.05	0.11	0.031	0.12	9.0	11.6	0.26	726	0.59	<0.01
CC143581		6.51	35.0	3.41	3.50	0.06	0.02	0.07	0.027	0.18	7.1	13.4	0.24	894	0.76	<0.01
CC143582		10.25	12.9	2.75	6.67	0.05	<0.02	0.02	0.014	0.30	6.0	8.9	0.23	143	0.75	<0.01
CC143583		2.06	26.2	2.61	2.67	0.06	0.05	0.40	0.023	0.11	5.6	10.2	0.41	373	0.71	0.01
CC143584		1.33	26.1	2.61	3.26	0.06	0.08	0.26	0.027	0.07	13.7	10.8	1.19	786	0.87	0.01
CC143585		2.10	26.3	3.24	3.93	0.05	0.04	0.29	0.033	0.09	7.5	13.1	0.40	902	0.68	0.01
CC143586		0.64	8.0	9.22	3.35	0.16	0.08	0.17	0.024	0.03	25.0	3.3	6.17	8780	0.99	0.02
CC143587		1.12	14.4	6.95	6.22	0.12	0.10	0.25	0.034	0.08	24.0	11.6	2.15	4660	1.13	0.02
CC143588		0.71	8.8	3.70	3.47	0.09	0.07	2.87	0.021	0.03	21.3	6.4	7.39	2390	0.76	0.02
CC143589		7.09	26.7	2.29	2.69	0.05	0.05	0.36	0.022	0.08	4.8	10.2	0.56	522	0.62	0.01
CC143590		2.19	30.7	2.07	3.13	0.08	0.09	0.32	0.022	0.08	19.2	7.8	0.27	574	0.44	0.01
CC143591		9.31	53.7	3.72	3.06	0.06	0.06	0.51	0.035	0.10	7.0	10.7	0.40	780	0.99	<0.01
CC143592		2.77	13.9	3.01	3.82	0.07	0.03	0.08	0.029	0.10	12.4	8.0	0.14	1810	0.79	<0.01
CC143593		0.89	29.8	3.83	4.31	0.06	0.04	0.24	0.036	0.11	9.7	11.1	0.25	1060	0.69	0.01
CC143594		1.46	40.1	3.67	4.17	0.07	0.04	0.56	0.033	0.09	7.4	17.7	0.84	1060	0.64	0.01
CC143595		0.91	15.6	3.74	4.94	0.07	0.05	0.13	0.034	0.09	14.2	13.5	0.41	874	0.68	0.01
CC143596		0.84	23.0	3.35	4.85	0.07	0.04	0.19	0.030	0.06	14.7	16.8	0.91	1320	0.71	0.01
CC143597		0.96	12.8	5.32	6.22	0.09	0.05	0.47	0.039	0.06	16.5	16.7	1.21	2150	1.00	0.01
CC143598		0.76	16.2	3.74	5.52	0.06	0.04	0.88	0.031	0.04	8.0	19.2	0.29	357	0.93	0.01
CC143599		0.95	12.7	4.15	5.51	0.07	0.05	0.48	0.033	0.06	12.8	12.7	0.36	1580	0.69	0.01
CC143600		0.97	18.0	3.85	5.74	0.06	0.06	1.17	0.034	0.05	9.9	15.1	0.40	968	0.66	0.01
CC143601		0.80	11.6	3.22	5.20	0.05	0.04	0.38	0.027	0.06	8.4	16.2	0.43	516	0.59	0.01
CC143602		0.70	33.7	2.46	3.01	0.05	0.02	0.52	0.020	0.06	7.2	12.0	0.60	655	0.45	0.01
CC143603		0.89	29.7	3.02	3.94	0.06	0.04	0.42	0.026	0.08	10.4	16.6	0.52	841	0.62	0.01
CC143604		1.27	29.9	3.64	3.78	0.07	0.05	0.65	0.032	0.09	8.8	15.6	1.07	970	0.76	0.01
CC143605		1.06	23.6	3.17	3.17	0.06	0.05	0.53	0.028	0.09	7.1	12.9	1.35	704	0.99	0.01
CC143606		1.25	27.7	3.24	3.72	0.06	0.06	0.61	0.030	0.10	7.5	14.7	0.36	413	0.71	0.01
CC143607		1.55	11.5	2.79	3.54	0.06	0.02	0.11	0.032	0.06	13.1	10.8	0.21	342	0.65	0.01
CC143608		0.89	9.8	3.00	4.19	0.06	0.04	0.04	0.032	0.05	14.1	13.6	0.29	351	0.66	0.01



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
CC143569		0.35	24.4	690	18.7	8.5	<0.001	0.10	0.49	2.5	2.1	0.4	142.5	<0.01	0.03	1.1
CC143570		0.30	26.8	440	26.1	7.5	<0.001	0.06	0.55	4.1	1.1	0.4	97.2	<0.01	0.03	1.9
CC143571		0.45	31.3	580	25.9	9.6	0.001	0.09	0.71	4.0	1.9	0.5	88.7	<0.01	0.03	1.6
CC143572		0.57	22.5	680	25.6	6.0	<0.001	0.07	0.88	3.9	1.0	0.3	53.2	<0.01	0.03	1.8
CC143573		0.52	18.7	430	28.8	8.7	<0.001	0.03	1.02	4.7	0.6	0.6	28.5	<0.01	0.03	3.0
CC143574		0.69	18.5	300	39.6	10.7	<0.001	0.02	1.24	5.1	0.6	0.7	19.5	<0.01	0.04	5.0
CC143575		0.74	21.7	410	44.8	12.8	<0.001	0.03	1.84	5.2	0.6	0.7	24.9	0.01	0.05	4.4
CC143576		0.71	19.1	310	30.0	10.5	<0.001	0.03	0.67	4.1	0.6	0.6	21.8	<0.01	0.04	3.7
CC143577		0.82	25.4	260	36.0	15.7	<0.001	0.02	0.80	6.0	0.5	0.8	18.3	<0.01	0.05	5.3
CC143578		0.46	10.7	470	38.2	8.5	<0.001	0.04	1.61	2.5	0.6	0.4	36.4	<0.01	0.03	1.7
CC143579		0.57	10.8	290	17.5	5.2	<0.001	0.02	0.58	3.2	0.4	0.4	10.7	0.01	0.05	2.2
CC143580		0.51	19.2	170	14.9	12.0	<0.001	0.02	0.54	5.3	0.4	0.5	14.4	<0.01	0.04	3.4
CC143581		0.55	26.1	210	20.0	17.9	<0.001	0.01	0.57	3.9	0.4	0.6	18.4	<0.01	0.03	3.9
CC143582		0.88	14.7	220	11.1	38.2	<0.001	0.01	0.22	2.5	0.2	0.9	6.3	<0.01	0.02	3.7
CC143583		0.43	19.8	460	18.6	11.6	<0.001	0.08	0.71	3.3	1.0	0.4	44.2	<0.01	0.04	1.6
CC143584		0.39	20.5	450	19.9	9.5	<0.001	0.05	0.82	4.1	1.1	0.4	42.0	<0.01	0.03	1.9
CC143585		0.58	22.0	490	26.0	15.1	<0.001	0.07	0.87	3.6	0.9	0.6	53.4	<0.01	0.03	1.5
CC143586		0.41	13.4	1860	18.3	4.0	<0.001	0.07	6.28	3.1	1.1	0.3	42.6	0.02	0.07	1.0
CC143587		0.90	21.0	660	52.5	11.9	<0.001	0.06	3.66	4.7	0.8	0.7	30.7	0.01	0.08	2.8
CC143588		0.45	12.6	1650	26.7	6.5	<0.001	0.05	3.15	3.3	0.9	0.4	30.4	0.01	0.05	1.4
CC143589		0.42	17.5	670	16.9	18.0	0.001	0.15	0.73	2.4	1.7	0.4	57.3	<0.01	0.02	0.9
CC143590		0.52	20.6	710	15.6	7.8	<0.001	0.11	0.74	2.9	1.2	0.4	95.6	0.01	0.03	1.1
CC143591		0.60	25.9	150	20.8	12.6	<0.001	0.01	0.73	5.5	0.4	0.5	14.0	<0.01	0.04	4.1
CC143592		0.69	13.0	190	18.3	14.1	<0.001	0.01	0.47	3.8	0.3	0.6	15.3	<0.01	0.05	3.5
CC143593		0.89	20.0	190	25.2	9.2	<0.001	0.01	0.78	4.7	0.3	0.6	16.5	<0.01	0.04	3.5
CC143594		0.91	28.8	440	24.6	8.8	<0.001	0.03	0.85	4.7	0.6	0.6	67.9	<0.01	0.03	3.2
CC143595		0.91	19.9	160	24.0	11.6	<0.001	0.02	0.92	4.7	0.4	0.7	11.5	<0.01	0.04	4.4
CC143596		0.93	21.9	520	19.8	7.5	<0.001	0.04	0.74	4.0	0.9	0.6	32.4	<0.01	0.04	1.9
CC143597		1.17	22.5	470	23.9	10.1	<0.001	0.04	0.88	4.7	0.6	0.7	20.1	<0.01	0.05	3.4
CC143598		1.07	19.1	180	21.7	8.5	<0.001	0.02	0.98	3.6	0.3	0.7	7.1	<0.01	0.04	3.9
CC143599		0.86	19.0	190	27.4	11.9	<0.001	0.02	0.94	4.3	0.4	0.7	10.5	<0.01	0.04	3.7
CC143600		0.72	21.1	150	24.4	10.9	<0.001	0.01	0.82	4.8	0.4	0.7	8.4	<0.01	0.03	4.6
CC143601		1.11	17.5	150	21.0	9.9	<0.001	0.02	0.71	3.1	0.3	0.7	14.6	<0.01	0.03	3.3
CC143602		0.58	19.8	820	18.0	6.1	<0.001	0.09	1.12	2.2	1.4	0.4	66.8	<0.01	0.03	0.7
CC143603		0.82	23.2	670	21.7	8.6	<0.001	0.05	0.80	4.0	0.9	0.5	39.7	<0.01	0.03	2.2
CC143604		0.62	24.2	600	26.3	9.2	<0.001	0.05	1.19	4.4	0.9	0.6	32.3	<0.01	0.03	2.6
CC143605		0.50	22.7	570	25.6	8.8	<0.001	0.07	1.17	3.7	1.1	0.5	35.8	<0.01	0.03	2.4
CC143606		0.58	23.4	630	25.3	10.8	0.001	0.13	0.91	4.1	1.5	0.5	47.0	<0.01	0.03	2.2
CC143607		0.68	18.2	310	17.5	10.6	<0.001	0.02	0.31	3.9	0.5	0.5	47.4	<0.01	0.02	3.1
CC143608		0.68	18.1	150	21.3	8.9	<0.001	0.01	0.37	3.5	0.3	0.5	32.7	<0.01	0.02	5.5



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143569		0.005	0.16	2.09	13	0.06	12.15	53	2.1
CC143570		<0.005	0.11	1.83	14	0.06	12.55	85	1.2
CC143571		0.006	0.11	3.02	19	0.08	11.20	95	1.5
CC143572		0.006	0.23	0.92	21	0.05	7.93	126	1.9
CC143573		0.006	0.13	0.77	26	0.10	9.83	90	2.1
CC143574		0.006	0.16	0.71	35	0.16	14.50	70	3.4
CC143575		0.008	0.21	0.98	37	0.14	13.90	148	3.5
CC143576		0.007	0.17	0.79	29	0.11	10.05	41	2.6
CC143577		0.008	0.22	0.61	40	0.13	13.05	63	3.8
CC143578		0.007	0.19	1.00	22	0.13	12.10	80	2.9
CC143579		0.010	0.11	0.77	24	0.12	12.35	35	2.4
CC143580		0.007	0.12	0.83	23	0.09	7.89	43	1.8
CC143581		0.011	0.13	0.55	22	0.07	5.66	62	1.1
CC143582		0.024	0.20	0.40	25	<0.05	3.27	46	1.0
CC143583		0.005	0.13	1.12	19	0.06	8.35	88	1.6
CC143584		0.005	0.10	2.18	25	0.08	13.85	101	2.2
CC143585		0.006	0.12	2.63	26	0.09	7.38	135	1.3
CC143586		0.013	0.30	2.95	24	0.13	34.7	407	1.6
CC143587		0.014	0.44	1.68	41	0.17	21.1	563	2.8
CC143588		0.008	0.22	4.42	22	0.15	25.9	632	1.7
CC143589		0.005	0.12	2.38	17	0.11	7.57	133	1.6
CC143590		0.007	0.16	2.37	16	0.08	24.8	69	2.4
CC143591		0.010	0.11	0.61	21	0.09	8.32	63	1.8
CC143592		0.011	0.10	0.51	25	0.10	5.91	61	1.2
CC143593		0.010	0.11	0.64	28	0.12	7.35	60	1.7
CC143594		0.012	0.15	0.61	22	0.09	8.89	101	1.5
CC143595		0.013	0.14	0.45	35	0.14	7.34	70	1.7
CC143596		0.018	0.09	1.05	36	0.21	11.30	84	1.2
CC143597		0.018	0.17	1.19	49	0.18	10.55	227	1.7
CC143598		0.009	0.17	0.41	39	0.16	3.56	69	1.7
CC143599		0.010	0.21	1.05	38	0.15	7.39	87	1.7
CC143600		0.009	0.16	1.01	35	0.11	5.77	81	2.3
CC143601		0.017	0.11	0.52	38	0.14	3.17	65	1.7
CC143602		0.010	0.08	1.96	19	0.09	9.04	57	1.0
CC143603		0.014	0.11	1.16	27	0.14	10.10	92	1.3
CC143604		0.008	0.23	1.38	25	0.09	10.25	166	1.4
CC143605		0.006	0.25	1.64	24	0.07	9.32	186	1.6
CC143606		0.006	0.25	2.36	26	0.08	10.05	196	1.8
CC143607		0.013	0.14	1.94	28	0.14	8.97	60	0.9
CC143608		0.010	0.12	0.72	31	0.13	5.36	54	2.0





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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143609		0.26	0.002	0.09	1.15	43.4	<0.2	<10	190	0.83	0.27	1.54	0.41	15.80	8.1	19
CC143610		0.17	0.003	0.08	1.85	66.2	<0.2	<10	220	1.38	0.30	0.75	0.14	24.8	10.5	24
CC143611		0.22	0.002	0.14	1.15	19.2	<0.2	<10	260	0.75	0.27	1.61	0.32	19.20	10.6	18
CC143612		0.23	0.002	0.31	1.34	33.5	<0.2	<10	60	0.65	0.32	0.02	0.21	15.05	9.7	17
CC143613		0.20	0.004	0.22	0.93	14.7	<0.2	10	130	0.72	0.21	2.35	0.98	15.05	8.0	18
CC143614		0.12	0.011	0.25	1.38	13.1	<0.2	<10	350	1.34	0.33	0.34	0.42	19.95	10.8	22
CC143615		0.23	0.005	0.16	1.12	20.3	<0.2	<10	240	1.55	0.32	1.18	0.35	18.20	13.0	18
CC143616		0.18	0.002	0.03	1.15	25.1	<0.2	<10	140	1.11	0.33	0.27	0.08	16.25	12.6	19
CC143617		0.31	0.005	0.13	1.17	33.1	<0.2	<10	220	1.09	0.34	2.55	0.34	16.40	15.9	20
CC143618		0.21	0.002	0.12	1.15	17.5	<0.2	<10	300	0.97	0.25	1.71	0.29	14.95	10.4	17
CC143619		0.17	0.002	0.08	1.23	18.9	<0.2	<10	190	0.90	0.30	0.60	0.28	24.1	12.9	22
CC143620		0.25	0.002	0.11	1.22	25.5	<0.2	<10	200	1.12	0.33	1.65	0.17	20.3	13.8	21
CC143621		0.15	0.003	0.07	1.32	25.3	<0.2	<10	190	0.93	0.31	0.83	0.26	19.10	11.7	21
CC143622		0.26	0.002	0.12	1.20	24.5	<0.2	<10	280	0.85	0.27	1.90	0.48	16.45	12.0	18
CC143623		0.24	0.001	0.08	1.24	30.1	<0.2	<10	210	1.06	0.31	0.47	0.08	19.15	11.9	21
CC143624		0.18	0.003	0.11	0.98	27.0	<0.2	<10	240	0.80	0.25	2.41	0.39	14.65	11.6	16
CC143625		0.29	0.001	0.08	1.12	29.8	<0.2	<10	230	1.07	0.33	1.20	0.29	19.50	15.5	19
CC143626		0.17	0.003	0.11	0.96	20.7	<0.2	<10	230	0.82	0.26	2.06	0.53	14.15	11.2	15
CC143627		0.29	0.002	0.07	1.16	27.4	<0.2	<10	150	1.08	0.34	0.69	0.30	21.3	16.5	20
CC143628		0.24	0.004	0.10	0.92	24.0	<0.2	<10	180	0.92	0.32	1.48	0.32	16.60	15.3	16
CC143629		0.25	0.009	0.07	1.01	32.7	<0.2	<10	160	1.07	0.34	1.50	0.31	20.7	17.5	16
CC143630		0.36	0.001	0.04	0.68	11.5	<0.2	<10	140	0.89	0.41	0.36	0.10	19.00	17.7	13
CC143631		0.24	0.001	0.07	0.62	11	<0.2	<10	160	0.53	0.15	16.80	0.30	9.36	6.0	9
CC143632		0.26	0.002	0.12	1.03	18.7	<0.2	<10	180	0.72	0.26	3.47	0.30	16.90	9.4	16
CC143633		0.19	0.001	0.12	0.76	32.5	<0.2	<10	160	0.75	0.22	2.76	0.34	15.45	9.7	13
CC143634		0.19	0.001	0.10	0.71	27.7	<0.2	<10	210	0.66	0.20	2.86	0.36	12.80	8.6	11
CC143635		0.20	0.002	0.10	0.87	25.0	<0.2	<10	230	0.51	0.21	1.85	0.33	13.25	8.9	14
CC143636		0.29	0.001	0.07	1.29	35.1	<0.2	<10	190	0.91	0.29	0.38	0.13	18.60	12.4	22
CC143637		0.18	0.002	0.12	0.89	26.7	<0.2	<10	170	0.75	0.24	3.12	0.30	15.70	10.8	14
CC143638		0.14	0.002	0.10	0.64	15.4	<0.2	<10	160	0.67	0.23	2.35	0.21	15.05	10.3	10
CC143639		0.15	0.004	0.14	0.87	23.8	<0.2	<10	330	0.66	0.22	2.69	0.31	14.25	9.6	14
CC143640		0.21	0.002	0.03	1.41	18.8	<0.2	<10	120	1.22	0.55	0.21	0.06	17.15	18.0	27
CC143641		0.21	<0.001	0.03	1.33	28.6	<0.2	<10	160	0.71	0.26	0.97	0.18	21.4	9.9	22
CC143642		0.26	0.001	0.05	1.21	54.5	<0.2	<10	130	1.00	0.30	0.90	0.15	17.10	14.3	20
CC143643		0.15	0.003	0.14	1.03	34.8	<0.2	<10	370	0.60	0.22	2.77	0.34	11.45	7.7	16
CC143644		0.19	0.002	0.11	0.95	70.5	<0.2	<10	160	0.72	0.25	2.74	0.23	16.60	8.5	16
CC143645		0.21	0.001	0.03	1.06	54.4	<0.2	<10	120	0.71	0.23	0.25	0.16	16.15	8.4	18
CC143646		0.22	<0.001	0.06	1.66	51.6	<0.2	<10	250	1.01	0.30	1.04	0.35	20.7	8.4	23
CC143647		0.16	0.001	0.08	1.03	63.5	<0.2	<10	100	0.94	0.23	5.58	0.31	18.05	10.6	14
CC143648		0.20	0.001	0.27	1.34	38.0	<0.2	<10	160	0.85	0.24	3.13	1.33	22.8	7.6	21

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143609		1.31	26.4	2.77	3.60	0.06	0.06	0.63	0.030	0.08	7.0	13.7	0.31	312	0.74	0.01
CC143610		1.04	26.7	4.18	5.41	0.09	0.10	0.52	0.040	0.07	15.7	13.9	0.30	872	0.61	<0.01
CC143611		0.92	21.8	2.78	3.91	0.05	0.04	0.21	0.027	0.06	8.1	15.2	0.31	618	0.69	0.01
CC143612		1.74	18.6	3.69	3.90	0.05	0.04	0.21	0.021	0.04	7.1	16.5	0.12	502	0.89	<0.01
CC143613		8.00	28.3	1.52	2.82	0.07	0.06	0.42	0.015	0.08	6.9	17.4	0.56	154	0.24	0.01
CC143614		1.79	42.4	3.11	4.61	0.06	0.02	0.11	0.024	0.14	8.2	22.4	0.25	580	0.71	0.01
CC143615		1.35	73.2	3.23	3.15	0.06	0.07	0.37	0.025	0.11	8.2	19.5	0.38	818	0.84	0.01
CC143616		0.92	29.0	3.86	3.82	0.05	0.05	0.19	0.023	0.11	6.7	17.1	0.25	423	0.88	0.01
CC143617		1.31	35.8	3.61	3.93	0.06	0.07	0.44	0.028	0.14	6.9	18.2	0.98	663	1.34	0.02
CC143618		0.63	25.2	2.73	3.29	0.05	0.05	0.27	0.017	0.08	7.1	17.6	0.30	668	0.64	0.01
CC143619		0.97	21.0	3.94	3.91	0.06	0.05	0.19	0.027	0.09	10.4	17.7	0.39	1300	0.72	0.01
CC143620		1.17	33.0	4.12	4.00	0.06	0.06	0.26	0.023	0.11	9.8	20.0	1.01	858	0.93	0.02
CC143621		0.84	22.9	3.65	4.23	0.06	0.06	0.17	0.027	0.11	9.8	17.9	0.31	724	0.80	0.01
CC143622		0.70	26.0	3.15	3.51	0.05	0.06	0.21	0.018	0.12	7.1	14.5	0.47	825	0.78	0.01
CC143623		0.96	29.9	3.82	4.11	0.06	0.06	0.28	0.022	0.09	10.0	21.2	0.39	617	0.81	0.01
CC143624		0.71	28.8	2.90	3.04	0.06	0.05	0.29	0.020	0.10	6.5	13.9	0.77	717	0.86	0.01
CC143625		1.14	31.2	3.97	3.73	0.07	0.06	1.38	0.026	0.12	8.4	18.1	0.60	1000	1.01	0.01
CC143626		0.76	24.1	2.83	2.82	0.05	0.05	0.27	0.019	0.11	6.3	12.5	0.48	651	0.84	0.01
CC143627		1.09	32.7	3.96	3.94	0.07	0.06	0.29	0.029	0.11	10.0	15.0	0.39	900	0.92	0.01
CC143628		1.50	34.3	3.47	3.02	0.05	0.05	0.34	0.020	0.11	6.5	13.5	0.51	800	1.07	0.01
CC143629		1.10	34.2	3.73	3.10	0.06	0.06	0.40	0.025	0.13	9.2	12.4	0.54	865	0.78	0.01
CC143630		1.19	25.3	2.64	3.05	0.06	0.04	0.09	0.018	0.16	8.1	11.2	0.19	1200	0.41	0.01
CC143631		1.66	14.9	1.62	1.88	0.05	0.07	0.14	0.011	0.11	4.4	10.7	1.08	261	0.28	0.03
CC143632		1.01	23.8	2.95	3.07	0.06	0.06	0.20	0.020	0.10	9.0	14.4	1.78	699	0.72	0.01
CC143633		1.83	24.3	2.72	2.29	0.07	0.04	0.43	0.017	0.08	6.9	8.9	0.82	671	0.87	0.01
CC143634		1.83	23.2	2.26	2.08	0.06	0.04	0.35	0.015	0.07	5.8	7.1	0.57	521	0.70	0.01
CC143635		0.63	20.1	2.58	2.65	0.05	0.04	0.33	0.015	0.06	5.8	10.7	0.33	579	0.64	0.01
CC143636		0.70	25.6	3.80	4.18	0.06	0.04	0.75	0.028	0.07	8.3	14.4	0.35	590	1.07	0.01
CC143637		0.73	19.7	2.95	2.64	0.05	0.05	0.32	0.018	0.08	7.2	10.0	1.16	1020	0.58	0.01
CC143638		0.67	18.7	3.26	1.89	0.06	0.05	0.19	0.013	0.09	5.8	6.2	0.34	1560	0.64	0.01
CC143639		0.94	23.4	2.35	2.62	0.06	0.04	0.25	0.015	0.08	6.5	9.9	0.56	669	0.56	0.01
CC143640		2.15	50.2	4.88	5.25	0.06	0.06	0.13	0.027	0.08	7.1	37.6	0.46	481	0.61	0.01
CC143641		1.01	13.0	3.26	4.05	0.05	0.04	1.55	0.020	0.08	9.3	26.4	0.69	625	0.76	0.01
CC143642		1.10	29.7	3.99	3.81	0.07	0.06	0.46	0.023	0.09	7.3	18.1	0.55	778	0.81	0.01
CC143643		1.63	25.7	2.52	2.90	0.06	0.05	0.50	0.018	0.09	5.9	11.6	0.77	441	0.77	0.01
CC143644		0.52	20.6	3.23	2.85	0.07	0.06	0.40	0.020	0.07	8.2	10.2	1.40	639	0.80	0.01
CC143645		0.47	16.8	3.43	3.18	0.06	0.04	0.14	0.023	0.06	7.3	10.8	0.26	527	0.93	0.01
CC143646		0.81	17.8	3.81	4.52	0.05	0.06	0.17	0.032	0.07	10.7	13.1	0.56	825	0.79	<0.01
CC143647		0.82	22.0	4.28	2.83	0.05	0.07	0.38	0.032	0.07	8.7	7.4	3.24	1990	0.75	0.01
CC143648		2.08	27.4	2.63	3.42	0.05	0.07	0.55	0.023	0.05	12.4	11.2	0.48	356	0.70	0.01

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Sample Description	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC143609	0.60	21.1	660	24.2	11.3	<0.001	0.12	0.84	4.0	1.3	0.6	50.2	<0.01	0.03	2.3
CC143610	0.89	24.1	250	51.6	10.0	<0.001	0.02	11.25	7.0	0.8	0.7	37.7	<0.01	0.03	4.5
CC143611	0.85	20.0	590	25.3	10.0	<0.001	0.08	1.69	3.1	0.9	0.5	70.7	<0.01	0.03	1.9
CC143612	0.80	18.0	270	34.5	9.9	<0.001	0.02	4.35	2.6	0.8	0.5	5.6	0.01	0.03	3.6
CC143613	0.86	23.7	520	22.8	11.4	0.003	0.44	2.37	3.6	3.4	0.4	112.5	<0.01	0.02	2.7
CC143614	0.59	21.4	530	22.3	16.2	<0.001	0.04	0.39	4.1	0.4	0.6	42.0	<0.01	0.03	2.8
CC143615	0.43	28.7	550	20.9	9.6	<0.001	0.06	0.58	4.4	1.0	0.5	108.0	<0.01	0.03	2.5
CC143616	0.36	25.0	170	20.8	11.6	<0.001	0.02	0.49	3.7	0.4	0.6	16.2	<0.01	0.03	4.1
CC143617	0.35	33.7	510	24.9	9.4	0.001	0.04	0.80	5.3	1.0	0.6	49.8	<0.01	0.03	3.9
CC143618	0.45	18.1	510	16.8	8.3	<0.001	0.08	0.47	3.0	0.8	0.5	71.6	<0.01	0.02	1.3
CC143619	0.70	23.7	220	19.3	12.8	<0.001	0.02	0.48	4.3	0.4	0.6	23.8	<0.01	0.03	4.0
CC143620	0.44	28.5	260	22.7	11.1	0.001	0.03	0.62	5.0	0.7	0.6	26.8	<0.01	0.04	4.1
CC143621	0.53	22.7	310	21.3	13.9	<0.001	0.04	0.58	4.6	0.5	0.6	33.4	<0.01	0.04	3.0
CC143622	0.44	22.1	470	20.3	10.0	0.001	0.07	0.61	3.7	0.6	0.6	56.8	<0.01	0.03	1.8
CC143623	0.49	25.3	180	20.3	9.8	<0.001	0.02	0.58	4.9	0.7	0.5	20.2	<0.01	0.02	4.3
CC143624	0.40	23.4	460	19.2	8.3	<0.001	0.07	0.65	3.6	1.0	0.5	60.2	<0.01	0.03	1.8
CC143625	0.40	29.7	230	26.2	10.2	<0.001	0.03	0.66	5.3	1.1	0.6	36.8	<0.01	0.04	3.9
CC143626	0.36	21.7	450	18.4	8.8	0.001	0.07	0.56	3.2	1.0	0.5	71.8	<0.01	0.03	1.6
CC143627	0.40	29.6	190	26.6	10.1	<0.001	0.03	0.60	5.3	0.7	0.7	19.6	<0.01	0.03	4.3
CC143628	0.30	28.0	380	24.2	11.0	<0.001	0.06	0.62	3.8	1.3	0.5	57.7	<0.01	0.04	2.5
CC143629	0.28	29.6	320	29.0	8.5	<0.001	0.05	0.67	4.8	0.6	0.5	35.8	<0.01	0.04	3.0
CC143630	0.27	20.4	130	15.1	13.3	<0.001	0.02	0.26	3.4	0.3	0.7	47.5	<0.01	0.03	5.1
CC143631	0.19	13.0	430	10.0	11.7	<0.001	0.07	0.25	2.4	0.5	0.3	804	<0.01	0.03	1.4
CC143632	0.35	20.9	460	16.0	9.6	<0.001	0.05	0.52	3.3	0.9	0.5	38.6	<0.01	0.03	1.8
CC143633	0.29	20.2	510	19.9	9.1	<0.001	0.07	0.73	3.2	1.0	0.5	56.1	<0.01	0.03	1.5
CC143634	0.27	17.6	500	18.4	9.3	<0.001	0.09	0.70	2.2	1.2	0.4	72.6	<0.01	0.04	0.8
CC143635	0.43	16.4	480	16.0	7.4	<0.001	0.08	0.58	2.3	0.7	0.4	49.8	<0.01	0.02	1.0
CC143636	0.51	24.8	190	21.3	8.2	<0.001	0.02	0.73	4.2	0.7	0.5	15.7	<0.01	0.05	4.1
CC143637	0.34	18.4	510	20.4	8.5	<0.001	0.06	0.51	3.1	0.8	0.5	50.0	<0.01	0.04	1.5
CC143638	0.24	16.5	570	22.5	8.3	<0.001	0.10	0.38	2.3	0.8	0.4	70.5	<0.01	0.02	1.3
CC143639	0.40	18.8	640	16.4	9.4	<0.001	0.10	0.59	2.3	0.7	0.5	74.2	<0.01	0.03	0.8
CC143640	0.29	34.1	200	25.9	9.6	<0.001	0.02	0.37	4.9	0.5	0.7	19.6	<0.01	0.03	5.4
CC143641	0.73	19.2	150	20.0	13.2	<0.001	0.02	0.61	3.9	0.2	0.6	19.1	<0.01	0.03	3.6
CC143642	0.50	25.4	260	30.4	8.6	<0.001	0.03	0.88	5.2	0.3	0.6	16.7	<0.01	0.04	3.6
CC143643	0.46	18.9	670	20.3	9.2	<0.001	0.09	0.80	2.8	0.6	0.4	52.9	<0.01	0.02	1.1
CC143644	0.40	17.8	490	27.2	6.2	<0.001	0.03	0.90	4.7	0.5	0.4	25.9	<0.01	0.04	2.9
CC143645	0.45	16.5	190	21.7	7.9	<0.001	0.02	0.71	4.1	0.3	0.5	8.0	<0.01	0.04	3.3
CC143646	0.60	20.7	310	24.8	8.1	<0.001	0.01	0.73	5.4	0.3	0.6	19.9	<0.01	0.05	3.1
CC143647	0.32	21.7	490	25.6	7.7	<0.001	0.03	0.87	4.7	0.7	0.5	20.0	<0.01	0.06	1.9
CC143648	0.63	34.0	750	27.5	7.3	<0.001	0.06	0.86	3.3	1.7	0.5	91.3	<0.01	0.03	1.4



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143609		0.006	0.22	3.73	26	0.08	8.94	198	1.9
CC143610		0.005	0.25	0.93	29	0.12	18.15	119	2.6
CC143611		0.011	0.09	2.34	26	0.10	7.02	64	1.2
CC143612		0.010	0.24	0.45	32	0.14	2.68	103	1.7
CC143613		0.016	0.20	2.62	22	0.10	7.50	113	2.5
CC143614		0.008	0.08	1.58	28	0.11	8.42	72	0.7
CC143615		0.006	0.11	1.77	23	0.08	12.80	87	1.9
CC143616		0.005	0.13	0.61	26	0.05	4.45	81	1.4
CC143617		<0.005	0.18	0.81	29	0.06	9.40	120	2.4
CC143618		0.007	0.09	2.64	24	0.08	7.54	59	1.3
CC143619		0.012	0.11	1.13	33	0.12	6.39	93	1.6
CC143620		0.009	0.14	0.87	27	0.09	11.15	91	2.0
CC143621		0.009	0.14	1.04	30	0.10	9.12	86	1.6
CC143622		0.005	0.11	1.15	26	0.09	7.70	105	1.5
CC143623		0.009	0.12	0.65	27	0.09	9.01	77	1.9
CC143624		0.005	0.13	1.44	23	0.06	8.53	93	1.5
CC143625		0.006	0.17	0.71	26	0.07	9.86	94	1.9
CC143626		<0.005	0.12	1.29	23	0.06	7.74	104	1.5
CC143627		0.006	0.16	0.82	27	0.08	11.35	98	1.9
CC143628		0.005	0.14	1.01	23	0.05	7.52	103	1.3
CC143629		<0.005	0.16	0.72	21	0.05	11.35	101	1.7
CC143630		0.005	0.12	0.55	16	<0.05	6.46	51	1.6
CC143631		0.005	0.08	0.50	11	<0.05	4.84	61	2.0
CC143632		0.009	0.09	1.06	22	0.08	7.12	86	1.6
CC143633		0.005	0.14	1.06	22	0.06	9.93	96	1.2
CC143634		<0.005	0.12	1.56	19	0.05	7.91	95	1.2
CC143635		0.009	0.11	1.26	23	0.06	5.64	83	1.0
CC143636		0.009	0.15	0.84	34	0.10	6.12	94	1.5
CC143637		0.007	0.11	0.83	22	0.11	7.75	70	1.2
CC143638		0.005	0.09	1.01	15	<0.05	6.80	50	1.4
CC143639		0.008	0.11	1.13	20	0.08	7.47	81	1.2
CC143640		0.006	0.12	0.79	23	<0.05	6.94	90	2.0
CC143641		0.017	0.13	0.61	33	0.10	5.47	95	1.4
CC143642		0.006	0.18	0.80	25	0.07	8.81	100	1.6
CC143643		0.007	0.15	1.51	22	0.09	7.01	122	1.4
CC143644		0.007	0.18	0.81	25	0.09	8.50	86	1.6
CC143645		0.009	0.14	0.79	31	0.10	6.52	102	1.3
CC143646		0.011	0.18	0.73	38	0.16	9.47	123	1.6
CC143647		0.006	0.18	1.00	23	0.08	12.70	91	1.8
CC143648		0.015	0.47	1.26	29	0.17	13.25	935	2.3



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143649		0.15	0.001	0.06	0.63	7.2	<0.2	<10	80	0.53	0.14	1.04	0.14	23.0	3.3	7
CC143650		0.22	<0.001	0.11	0.61	8.0	<0.2	<10	160	0.66	0.20	2.80	0.11	20.5	5.0	7
CC143651		0.22	0.002	0.09	0.76	45.3	<0.2	10	290	0.60	0.22	4.60	0.44	11.35	8.2	11
CC143652		0.25	0.002	0.09	0.96	68.8	<0.2	<10	230	0.98	0.32	2.60	0.29	17.50	13.4	16
CC143653		0.20	0.001	0.06	0.99	77.6	<0.2	<10	930	0.92	0.29	1.24	0.26	16.30	10.9	15
CC143654		0.23	0.001	0.07	1.11	144.5	<0.2	<10	120	0.83	0.27	1.54	0.14	20.9	9.9	18
CC143655		0.23	0.001	0.06	1.16	111.5	<0.2	<10	140	1.17	0.32	0.69	0.10	22.5	13.0	17
CC143656		0.23	0.004	0.36	1.36	522	<0.2	<10	200	0.85	0.31	2.08	0.38	21.3	10.4	21
CC143657		0.20	0.001	0.06	0.84	99.1	<0.2	<10	140	0.84	0.34	0.80	0.20	13.15	10.2	13
CC143658		0.15	<0.001	0.02	0.67	18.5	<0.2	<10	70	0.87	0.39	0.05	0.09	7.11	11.6	9
CC143659		0.14	0.001	0.07	1.56	465	<0.2	10	180	0.87	0.29	4.12	0.31	41.1	8.9	18
CC143660		0.19	0.002	0.10	1.35	250	<0.2	<10	140	0.81	0.23	2.61	0.26	21.5	8.1	22
CC143661		0.19	0.003	0.14	1.32	367	<0.2	<10	140	0.81	0.25	2.00	0.25	20.7	8.3	22
CC143662		0.18	0.001	0.06	1.28	69.1	<0.2	<10	130	0.87	0.27	2.63	0.18	22.7	9.7	20
CC143663		0.16	0.002	0.06	1.41	73.3	<0.2	<10	190	1.16	0.29	0.56	0.24	27.1	12.2	20
CC143664		0.16	0.003	0.16	1.52	404	<0.2	<10	200	0.82	0.23	4.28	0.74	19.80	7.4	20
CC143665		0.13	0.005	0.13	1.30	601	<0.2	10	150	0.92	0.18	9.85	0.56	35.6	6.1	13
CC143666		0.16	0.001	0.03	1.30	137.5	<0.2	<10	110	0.88	0.27	0.85	0.21	21.2	11.3	20
CC143667		0.20	0.001	0.06	1.74	550	<0.2	<10	150	1.06	0.26	1.96	0.72	30.4	10.0	23
CC143668		0.13	0.002	0.05	1.59	199.5	<0.2	<10	130	0.91	0.22	2.58	0.36	28.4	7.7	20
CC143669		0.09	0.003	0.07	1.71	364	<0.2	10	160	0.93	0.27	3.48	1.21	31.0	9.6	19
CC143670		0.23	0.002	0.04	0.46	401	<0.2	<10	110	0.45	0.07	14.55	0.37	10.45	2.5	4
CC143671		0.18	0.002	0.08	1.79	524	<0.2	10	190	1.08	0.24	5.72	0.29	24.3	8.8	18
CC143672		0.12	0.002	0.10	1.78	33.7	<0.2	<10	290	0.85	0.30	1.56	0.31	21.7	8.8	21
CC143673		0.15	0.001	0.05	1.40	14.5	<0.2	<10	210	1.10	0.38	1.01	0.14	40.7	13.6	16

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143649		0.62	5.1	1.41	1.52	<0.05	0.03	0.10	0.011	0.06	7.6	1.8	0.04	194	0.29	<0.01
CC143650		0.54	10.4	2.03	1.37	<0.05	0.03	0.23	0.020	0.06	8.2	3.6	0.08	201	0.34	<0.01
CC143651		0.65	23.5	2.45	2.24	<0.05	0.04	0.52	0.019	0.05	5.0	8.6	0.78	732	0.61	0.01
CC143652		1.60	29.7	3.64	2.76	0.05	0.04	0.74	0.030	0.07	7.0	10.8	0.97	1060	0.77	0.02
CC143653		0.78	24.8	3.46	2.81	<0.05	0.06	0.55	0.026	0.05	6.5	8.9	0.54	780	0.70	<0.01
CC143654		1.12	17.1	3.63	3.12	<0.05	0.05	0.65	0.027	0.07	10.5	9.6	0.82	788	0.63	0.01
CC143655		1.45	25.5	3.90	3.26	0.05	0.06	0.64	0.033	0.06	9.5	9.1	0.28	1080	0.63	0.01
CC143656		33.2	26.1	2.89	3.35	0.05	0.05	1.55	0.022	0.08	10.7	13.3	0.51	659	0.78	0.01
CC143657		4.79	23.8	3.17	2.30	<0.05	0.04	0.30	0.029	0.08	6.8	9.2	0.22	449	0.70	<0.01
CC143658		8.60	14.9	3.42	2.34	<0.05	0.02	0.03	0.029	0.08	3.3	6.2	0.06	650	0.48	<0.01
CC143659		1.07	10.7	4.36	4.32	0.08	0.07	0.23	0.035	0.07	20.7	11.7	1.75	2580	0.66	0.01
CC143660		0.66	16.0	3.39	3.65	0.05	0.06	0.69	0.027	0.07	10.6	11.1	1.31	928	0.93	0.01
CC143661		1.11	18.5	3.14	3.58	<0.05	0.06	0.99	0.024	0.07	12.0	12.2	0.73	531	0.94	0.01
CC143662		1.11	15.2	3.47	3.64	<0.05	0.06	0.28	0.027	0.07	9.9	12.3	1.40	848	1.01	0.01
CC143663		0.63	21.5	4.97	4.15	0.05	0.07	0.46	0.033	0.07	10.6	10.8	0.38	1980	1.02	<0.01
CC143664		1.34	20.1	3.11	3.69	0.05	0.03	0.27	0.020	0.06	13.1	13.9	2.06	1220	0.66	0.02
CC143665		0.75	13.2	4.41	3.39	0.10	0.08	0.63	0.022	0.06	19.1	9.3	4.04	3010	0.76	0.02
CC143666		0.52	26.4	3.98	3.93	<0.05	0.05	0.56	0.032	0.07	6.5	12.6	0.66	988	0.90	<0.01
CC143667		0.81	14.2	4.09	4.67	<0.05	0.07	0.39	0.029	0.07	12.4	19.1	1.31	1640	0.94	0.01
CC143668		0.83	9.6	3.86	4.31	<0.05	0.06	0.23	0.024	0.06	12.7	14.1	1.59	2330	0.83	0.01
CC143669		1.09	13.4	4.81	4.31	0.07	0.07	0.26	0.022	0.07	15.4	13.2	1.86	2300	0.75	0.01
CC143670		0.26	8.5	2.06	0.98	<0.05	0.03	0.64	0.006	0.02	5.5	2.2	7.57	2130	0.31	0.02
CC143671		0.75	14.5	3.87	4.29	0.05	0.08	0.29	0.022	0.07	12.0	10.8	2.32	1900	0.59	0.01
CC143672		0.73	19.1	3.35	4.66	<0.05	0.05	0.12	0.030	0.06	10.6	15.4	0.64	1420	0.74	0.01
CC143673		1.45	12.8	3.13	3.88	0.06	0.06	0.07	0.032	0.11	19.1	10.3	0.26	938	0.58	0.01

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC143649		0.17	8.1	210	16.0	4.5	0.001	0.01	0.12	1.8	<0.2	0.3	56.3	<0.01	0.02	1.9
CC143650		0.21	14.9	340	17.4	6.6	<0.001	0.04	0.20	2.3	0.6	0.3	101.0	<0.01	0.02	1.3
CC143651		0.34	18.0	560	19.2	5.9	0.001	0.08	0.80	2.4	0.8	0.4	81.9	<0.01	0.04	0.7
CC143652		0.42	27.3	450	27.2	8.5	<0.001	0.05	0.95	5.1	0.6	0.5	42.7	<0.01	0.03	2.0
CC143653		0.39	21.7	290	26.2	5.3	<0.001	0.04	0.98	4.7	0.8	0.4	20.9	<0.01	0.06	2.7
CC143654		0.53	23.7	250	22.9	8.5	0.001	0.01	1.01	4.6	0.4	0.5	18.0	<0.01	0.05	3.6
CC143655		0.35	27.3	220	28.3	8.3	<0.001	0.02	1.07	6.1	0.7	0.5	26.2	<0.01	0.05	4.7
CC143656		0.55	26.2	980	67.9	14.7	<0.001	0.09	1.33	3.1	1.8	0.4	66.7	<0.01	0.02	0.9
CC143657		0.30	23.7	320	24.4	16.5	0.001	0.02	1.10	4.5	0.8	0.4	32.9	<0.01	0.03	1.5
CC143658		0.18	15.9	310	10.9	18.0	<0.001	0.01	0.30	3.4	<0.2	0.4	7.4	<0.01	0.06	1.1
CC143659		0.61	17.4	430	28.3	8.8	<0.001	0.04	1.68	5.8	1.6	0.6	33.0	<0.01	0.07	3.1
CC143660		0.54	21.2	460	26.7	7.7	0.001	0.04	1.96	3.9	0.6	0.4	28.1	<0.01	0.04	2.3
CC143661		0.57	24.1	470	26.4	7.7	<0.001	0.04	2.68	3.9	0.9	0.4	40.4	<0.01	0.05	2.0
CC143662		0.63	21.8	300	27.3	9.5	<0.001	0.02	1.02	4.6	0.6	0.5	25.3	<0.01	0.04	3.7
CC143663		0.44	21.5	230	37.0	9.7	<0.001	0.01	0.94	5.9	0.5	0.5	10.3	<0.01	0.05	4.5
CC143664		0.59	23.2	810	22.4	14.0	<0.001	0.07	1.39	2.9	1.3	0.5	50.2	<0.01	0.03	0.9
CC143665		0.31	16.1	1920	29.9	6.1	<0.001	0.10	3.77	2.5	1.3	0.4	69.5	0.01	0.08	0.8
CC143666		0.55	22.5	140	25.9	11.6	<0.001	0.01	0.86	4.6	0.5	0.5	11.1	<0.01	0.03	4.1
CC143667		0.64	24.9	250	27.0	10.1	<0.001	0.02	1.43	4.5	0.6	0.6	18.0	<0.01	0.04	4.2
CC143668		0.66	17.7	330	27.4	7.5	<0.001	0.02	1.52	3.7	0.5	0.5	15.3	<0.01	0.04	3.3
CC143669		0.54	18.8	760	31.6	7.1	<0.001	0.05	2.00	3.9	0.6	0.5	21.0	<0.01	0.06	2.2
CC143670		0.11	5.4	1470	13.2	2.3	0.001	0.07	4.23	0.6	0.2	<0.2	57.6	<0.01	0.03	0.2
CC143671		0.44	19.1	800	35.1	7.4	<0.001	0.05	2.67	3.1	0.6	0.5	37.8	<0.01	0.08	1.4
CC143672		0.77	18.9	430	23.1	7.4	<0.001	0.04	0.74	3.7	0.4	0.6	23.8	<0.01	0.05	1.8
CC143673		0.54	19.5	200	20.6	11.5	<0.001	0.01	0.55	6.0	0.4	0.6	26.6	<0.01	0.06	4.1



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 Finalized Date: 31- AUG- 2012  
 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12188680**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143649		<0.005	0.06	0.44	14	0.06	3.66	26	0.9
CC143650		<0.005	0.06	0.75	13	0.07	9.50	25	1.2
CC143651		0.007	0.13	1.03	17	0.07	7.46	78	1.0
CC143652		0.007	0.21	0.81	22	0.08	9.47	108	1.2
CC143653		0.006	0.16	0.85	22	0.08	7.85	86	1.6
CC143654		0.009	0.37	0.87	26	0.10	8.83	74	1.7
CC143655		<0.005	0.25	1.48	24	0.09	10.80	75	2.0
CC143656		0.017	1.39	1.44	26	0.21	10.10	193	1.5
CC143657		0.006	0.18	0.83	21	0.07	8.35	93	0.9
CC143658		<0.005	0.10	0.30	20	0.05	2.21	81	0.5
CC143659		0.010	0.87	1.24	36	0.17	30.7	82	1.9
CC143660		0.012	0.33	1.16	34	0.15	10.30	93	1.6
CC143661		0.013	0.94	1.15	33	0.22	11.95	102	1.6
CC143662		0.011	0.31	1.09	35	0.11	8.03	87	2.1
CC143663		0.006	0.24	1.03	37	0.11	13.10	104	2.2
CC143664		0.018	0.31	2.09	32	0.31	12.25	183	1.0
CC143665		0.009	1.08	2.27	24	0.21	40.8	169	2.4
CC143666		0.008	0.36	0.78	29	0.09	6.07	103	2.0
CC143667		0.013	0.41	0.97	39	0.15	9.49	248	2.2
CC143668		0.014	0.28	0.99	35	0.15	8.59	148	1.9
CC143669		0.010	0.47	1.27	33	0.14	16.05	384	1.8
CC143670		0.006	1.38	1.47	8	0.09	7.15	171	1.1
CC143671		0.009	0.90	1.25	31	0.14	12.70	109	1.8
CC143672		0.016	0.15	1.68	37	0.11	8.04	86	1.4
CC143673		0.009	0.13	0.40	30	0.12	11.40	40	1.8

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





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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12188680**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 17- AUG- 2012**  
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**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12189980**

Project: Crag East  
 P.O. No.: Batch 14  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 14- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

Comments: \*\*RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12174435\*\*

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12189980**

Sample Description	Method Analyte Units LOR	Au- ICP21 Au ppm 0.001
L842194		0.002
L842195		0.001
L842196		0.002
L842197		1.125
L842198		0.002
L842199		0.001
L842200		0.002
L842201		0.001
L842202		0.002
L842203		0.002
L842204		0.001
L842205		0.001
L842206		0.001
L842207		0.001
L842208		0.001
L842209		0.001
L842210		0.004
L842211		0.239
L842212		0.003
L842213		0.005
L842214		0.001
L842215		0.002
L842216		0.009
L842217		0.009
L842218		0.002
L842219		0.001
L842220		0.003
L842221		0.002
L842222		0.002
L842223		0.002
L842224		0.001
L842225		0.001
L842226		0.001
L842227		0.002
L842228		0.002
L842229		0.002

Comments: \*\*RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12174435\*\*



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**Account: MTT**

**CERTIFICATE WH12191996**

Project: CRAG EAST  
 P.O. No.: Batch 25  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12191996**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	2	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400590		0.26	1.180	0.67	0.44	217	<0.2	<10	100	0.77	7.34	17.30	2.17	21.0	4.3	19
M400591		7.60	0.004	0.07	0.21	48	<0.2	<10	90	0.17	0.04	22.7	0.43	10.05	2.5	<1
M400592		7.48	0.001	0.01	0.08	26	<0.2	<10	50	0.06	0.01	18.60	0.29	2.72	0.8	<1
M400593		8.20	0.001	<0.01	0.06	21	<0.2	<10	40	0.06	<0.01	19.15	1.95	2.21	0.7	<1
M400594		8.19	0.002	0.03	0.16	37	<0.2	<10	70	0.11	0.03	17.95	0.82	6.96	1.6	<1
M400595		6.34	0.002	0.04	0.06	59	<0.2	<10	40	0.05	0.01	19.95	0.30	3.02	0.6	<1
M400596		6.76	0.001	0.01	0.05	24	<0.2	<10	50	0.07	0.01	20.9	0.56	2.99	0.6	<1
M400597		4.40	0.001	0.01	0.02	16	<0.2	<10	10	0.09	0.01	>25.0	0.12	0.41	0.2	<1
M400598		5.38	0.002	0.01	0.07	38	<0.2	<10	40	0.07	0.01	24.3	2.15	3.62	0.9	<1
M400599		<0.02	0.001	0.02	0.08	39	<0.2	<10	50	0.07	0.01	24.4	2.07	3.67	0.8	<1
M400600		7.43	0.001	0.01	0.05	36	<0.2	<10	20	0.05	0.01	23.9	3.51	2.92	0.7	<1
M400601		8.58	0.001	0.02	0.12	51	<0.2	<10	60	0.06	0.02	22.3	1.61	4.65	1.1	<1
M400602		7.46	0.001	0.01	0.06	53	<0.2	<10	40	0.07	0.01	23.7	2.30	3.95	1.0	<1
M400603		2.96	0.003	0.01	0.05	<2	<0.2	<10	20	<0.05	0.02	20.1	0.06	1.20	1.4	<1
M400604		8.30	0.003	0.06	0.12	117	<0.2	<10	80	0.09	0.04	23.4	3.43	5.79	2.3	<1
M400605		8.24	0.002	0.01	0.05	16	<0.2	<10	30	0.05	<0.01	23.1	0.70	7.68	0.8	<1
M400606		8.60	0.002	0.01	0.03	41	<0.2	<10	60	0.08	<0.01	24.4	0.02	7.50	0.6	<1
M400607		8.00	0.001	0.01	0.07	19	<0.2	<10	50	0.08	0.01	23.8	3.14	11.95	1.3	<1
M400608		8.89	0.003	0.16	0.13	55	<0.2	<10	90	0.10	0.05	22.8	2.03	15.50	2.9	<1
M400609		8.07	0.003	0.04	0.14	83	<0.2	<10	100	0.09	0.04	22.1	1.35	17.85	2.7	<1
M400610		7.27	0.002	0.01	0.04	5	<0.2	<10	30	<0.05	<0.01	20.2	0.52	4.42	0.9	<1
M400611		7.98	0.002	0.01	0.03	5	<0.2	<10	30	<0.05	<0.01	20.6	0.48	5.09	0.8	<1
M400612		7.43	0.001	0.02	0.05	7	<0.2	<10	50	<0.05	0.01	20.5	2.36	5.50	1.0	<1
M400613		3.25	0.001	<0.01	0.03	4	<0.2	<10	20	<0.05	0.02	20.6	0.07	1.37	1.1	<1
M400614		2.96	0.002	0.02	0.05	6	<0.2	<10	70	<0.05	0.01	22.2	1.88	4.70	1.3	<1
M400615		4.73	0.001	0.02	0.11	7	<0.2	<10	90	0.07	0.03	18.80	0.39	6.82	2.1	<1
M400616		7.50	0.001	0.02	0.12	7	<0.2	<10	100	0.06	0.03	12.05	0.21	5.73	2.2	<1
M400617		0.26	0.221	>100	0.57	5000	<0.2	<10	40	0.41	9.53	11.55	284	20.0	19.4	13
M400618		8.46	0.002	0.03	0.36	14	<0.2	<10	160	0.35	0.11	17.00	0.06	12.40	5.1	1
M400619		2.51	0.002	0.02	0.16	7	<0.2	<10	130	0.18	0.05	17.60	0.02	7.59	2.8	<1
M400620		1.04	0.001	0.01	0.19	8	<0.2	<10	150	0.12	0.05	17.35	0.03	9.85	3.6	<1
M400621		6.85	0.001	0.02	0.41	18	<0.2	10	250	0.28	0.16	13.90	0.09	16.15	7.5	2
M400622		6.21	0.001	0.01	0.04	6	<0.2	<10	40	0.07	0.01	21.1	0.42	2.76	1.0	<1
M400623		7.70	0.002	<0.01	0.02	<2	<0.2	<10	20	0.06	<0.01	21.0	0.16	1.17	0.8	<1
M400624		7.98	0.001	<0.01	0.01	5	<0.2	<10	10	0.10	<0.01	20.7	0.28	1.06	0.8	<1
M400625		7.85	0.001	<0.01	0.01	4	<0.2	<10	10	<0.05	<0.01	20.4	0.27	1.04	0.9	<1



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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12191996**

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
M400590		2.40	79.3	2.48	2.91	0.09	0.22	1.93	0.703	0.14	13.9	7.6	3.15	1580	74.4	0.02
M400591		2.01	9.0	0.82	0.74	<0.05	0.17	1.46	0.013	0.10	4.5	1.8	3.84	255	0.28	0.03
M400592		0.35	1.8	0.38	0.24	<0.05	0.05	0.95	<0.005	0.03	1.1	1.3	10.30	358	0.08	0.03
M400593		0.20	1.4	0.32	0.17	<0.05	0.04	2.61	<0.005	0.02	0.9	1.1	10.10	363	0.09	0.03
M400594		1.23	4.6	0.89	0.53	<0.05	0.11	1.73	0.007	0.07	3.0	1.9	8.67	665	0.19	0.03
M400595		0.22	3.3	0.60	0.22	<0.05	0.05	0.66	<0.005	0.02	1.5	1.1	8.88	825	0.10	0.03
M400596		0.15	1.3	0.48	0.18	<0.05	0.04	1.45	<0.005	0.02	1.5	0.9	8.86	627	0.09	0.03
M400597		0.07	0.5	0.32	0.09	<0.05	0.05	0.49	<0.005	<0.01	<0.2	0.2	0.15	642	<0.05	0.01
M400598		0.35	2.3	0.50	0.24	<0.05	0.06	4.69	<0.005	0.02	1.7	0.9	8.37	652	0.11	0.03
M400599		0.36	2.4	0.51	0.26	<0.05	0.07	4.56	<0.005	0.02	1.7	0.9	8.53	664	0.11	0.03
M400600		0.24	1.8	0.60	0.25	<0.05	0.04	3.87	<0.005	0.01	1.4	0.7	8.23	1150	0.07	0.03
M400601		0.80	3.6	0.99	0.37	<0.05	0.08	3.72	<0.005	0.04	1.9	1.0	7.27	867	0.11	0.03
M400602		0.37	2.4	0.87	0.27	<0.05	0.05	4.98	<0.005	0.02	1.9	1.2	7.61	873	0.09	0.03
M400603		0.39	4.1	0.46	0.14	<0.05	<0.02	0.02	0.005	0.03	0.6	1.1	11.60	199	0.08	0.02
M400604		0.58	8.7	1.16	0.64	<0.05	0.12	18.15	0.010	0.05	3.0	0.9	3.81	775	0.18	0.02
M400605		0.12	1.8	0.85	0.21	<0.05	0.03	1.84	0.005	0.01	4.0	1.9	8.55	824	0.05	0.02
M400606		0.07	1.2	0.89	0.19	<0.05	0.02	0.24	0.005	<0.01	4.5	3.8	7.32	963	<0.05	0.02
M400607		0.25	4.1	1.16	0.59	<0.05	0.06	5.02	0.009	0.03	5.9	1.4	7.40	807	0.06	0.03
M400608		0.67	10.7	1.43	0.65	0.06	0.15	2.80	0.012	0.06	8.1	1.2	7.91	834	0.11	0.03
M400609		0.55	8.0	1.32	0.67	0.05	0.15	1.93	0.008	0.06	9.2	1.4	9.06	893	0.12	0.03
M400610		0.10	1.8	0.82	0.22	<0.05	0.02	0.88	<0.005	0.01	2.8	0.7	11.15	611	0.05	0.03
M400611		0.07	1.5	1.00	0.18	<0.05	0.02	0.34	<0.005	0.01	3.2	0.5	11.45	729	0.05	0.03
M400612		0.12	2.8	1.02	0.49	<0.05	0.04	5.44	0.010	0.01	3.4	0.4	11.15	744	0.06	0.03
M400613		0.40	1.6	0.46	0.14	<0.05	<0.02	0.03	0.006	0.02	0.7	0.8	11.80	194	0.12	0.02
M400614		0.24	4.2	0.92	0.26	<0.05	0.05	1.67	<0.005	0.02	2.7	0.6	9.30	660	0.09	0.03
M400615		0.81	5.2	0.60	0.38	<0.05	0.09	0.59	<0.005	0.04	4.4	0.9	10.80	402	0.10	0.03
M400616		1.54	5.6	0.50	0.43	<0.05	0.08	0.51	<0.005	0.05	3.7	0.8	6.89	212	0.07	0.03
M400617		1.48	2250	4.27	2.96	0.10	0.08	6.46	0.148	0.12	10.5	11.6	0.43	5440	4.65	0.02
M400618		6.06	13.2	1.01	1.00	<0.05	0.15	0.63	0.007	0.16	8.5	2.3	9.68	265	0.23	0.02
M400619		1.40	5.8	0.81	0.51	<0.05	0.09	0.35	0.006	0.07	5.0	1.0	10.05	385	0.09	0.02
M400620		2.31	8.4	0.82	0.62	<0.05	0.11	0.39	0.007	0.09	6.5	1.2	9.68	357	0.09	0.03
M400621		11.60	20.5	1.37	1.25	0.06	0.15	0.86	0.013	0.19	11.2	2.5	7.77	326	0.11	0.03
M400622		0.21	2.0	0.48	0.17	<0.05	0.02	0.63	<0.005	0.01	2.0	0.7	11.80	532	0.06	0.04
M400623		0.11	1.1	0.36	0.11	<0.05	<0.02	0.12	<0.005	<0.01	0.7	0.6	11.20	467	<0.05	0.03
M400624		0.05	1.3	0.39	0.11	<0.05	<0.02	0.16	<0.005	<0.01	0.7	0.5	11.50	537	0.05	0.04
M400625		0.05	1.3	0.34	0.11	<0.05	<0.02	0.10	<0.005	<0.01	0.6	0.4	11.60	424	<0.05	0.04



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**CERTIFICATE OF ANALYSIS WH12191996**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M400590		0.16	75.5	1070	20.0	14.3	0.055	0.85	7.91	3.5	3.5	3.3	201	0.01	0.32	3.6
M400591		0.15	8.2	700	17.5	4.4	0.001	0.67	0.96	2.0	0.5	0.4	356	<0.01	0.02	2.3
M400592		0.14	2.0	140	14.9	1.2	<0.001	0.10	5.24	0.5	0.2	<0.2	74.1	<0.01	0.01	0.5
M400593		0.14	1.8	120	47.3	0.7	<0.001	0.06	5.93	0.3	0.2	0.2	76.6	<0.01	<0.01	0.5
M400594		0.15	4.5	260	22.5	2.8	0.001	0.40	11.30	1.3	0.3	0.2	82.6	<0.01	0.01	1.3
M400595		0.16	2.2	240	21.4	0.8	0.001	0.08	6.13	0.4	0.2	0.2	105.5	<0.01	0.01	0.3
M400596		0.15	1.9	280	24.5	0.7	0.001	0.06	13.60	0.3	0.2	<0.2	136.0	<0.01	<0.01	0.3
M400597		<0.05	<0.2	10	3.8	0.1	<0.001	0.02	1.12	0.7	0.6	<0.2	39.3	<0.01	0.01	<0.2
M400598		0.20	3.4	170	38.7	0.8	0.001	0.12	5.63	0.6	0.3	<0.2	125.5	<0.01	0.01	0.4
M400599		0.16	3.3	180	36.5	0.9	0.001	0.12	5.54	0.6	0.3	<0.2	124.5	<0.01	0.01	0.4
M400600		0.19	2.7	180	42.2	0.5	0.001	0.08	5.31	0.3	0.2	<0.2	86.0	<0.01	0.02	0.3
M400601		0.20	3.9	130	34.8	1.5	0.001	0.23	5.49	0.9	0.3	<0.2	92.1	<0.01	0.02	0.6
M400602		0.22	3.2	100	35.8	0.7	0.001	0.11	3.91	0.6	0.3	<0.2	100.5	<0.01	0.02	0.4
M400603		0.19	4.1	170	1.4	1.8	0.001	0.01	<0.05	0.2	<0.2	<0.2	39.4	<0.01	0.01	<0.2
M400604		0.20	7.6	70	61.3	1.8	0.001	0.69	14.10	1.6	0.5	0.5	197.5	<0.01	0.04	0.8
M400605		0.22	2.5	210	10.1	0.4	0.001	0.24	2.01	0.6	0.3	<0.2	143.0	<0.01	0.02	0.2
M400606		0.24	2.4	220	1.4	0.2	<0.001	0.03	0.51	0.3	0.3	<0.2	247	<0.01	0.03	0.2
M400607		0.24	3.9	400	5.9	1.1	0.001	0.30	1.02	0.9	0.3	<0.2	201	<0.01	0.04	0.5
M400608		0.22	6.8	360	36.7	2.2	0.001	0.72	2.82	1.8	0.4	0.2	230	<0.01	0.05	1.2
M400609		0.21	6.0	400	12.4	2.3	<0.001	0.49	2.24	1.6	0.4	0.2	178.0	<0.01	0.04	1.3
M400610		0.19	2.4	260	23.6	0.4	<0.001	<0.01	1.50	0.3	0.3	<0.2	53.2	<0.01	0.02	0.2
M400611		0.20	2.3	310	31.2	0.2	0.001	<0.01	2.58	0.2	0.2	<0.2	57.3	<0.01	0.03	<0.2
M400612		0.20	2.8	370	17.6	0.5	0.001	0.02	3.79	0.5	0.3	0.2	60.6	<0.01	0.02	0.3
M400613		0.22	3.5	190	1.4	1.5	0.001	<0.01	<0.05	0.2	0.2	<0.2	45.8	<0.01	0.01	<0.2
M400614		0.17	3.1	190	29.6	0.7	0.001	0.01	4.75	0.7	0.3	<0.2	71.5	<0.01	0.03	0.4
M400615		0.18	5.6	320	24.4	1.8	<0.001	0.02	3.72	1.1	0.3	0.2	51.9	<0.01	0.03	1.0
M400616		0.11	5.6	260	19.1	2.2	<0.001	0.06	4.53	1.4	0.2	0.3	43.0	<0.01	0.02	1.2
M400617		0.21	19.7	730	>10000	9.3	0.003	5.60	97.5	2.6	7.0	1.9	537	<0.01	0.47	2.9
M400618		<0.05	9.8	260	33.1	6.1	0.001	0.57	2.63	3.2	0.4	0.7	51.7	<0.01	0.04	2.4
M400619		<0.05	4.7	510	25.3	2.6	0.001	0.15	1.79	2.0	<0.2	0.3	68.3	<0.01	0.04	1.4
M400620		0.16	6.9	540	18.4	3.5	0.001	0.16	2.09	2.0	0.3	0.7	72.8	<0.01	0.04	1.7
M400621		0.15	15.3	360	33.3	8.7	0.001	0.05	3.76	4.1	0.4	1.2	49.2	<0.01	0.07	3.9
M400622		0.20	2.9	280	54.7	0.5	0.001	0.02	2.00	0.2	0.2	<0.2	82.3	<0.01	0.02	0.2
M400623		0.21	2.8	230	9.9	0.2	0.001	0.01	0.95	0.1	0.2	<0.2	81.1	<0.01	0.02	<0.2
M400624		0.21	2.9	210	23.1	0.1	0.001	0.01	0.94	<0.1	0.2	<0.2	74.3	<0.01	0.02	<0.2
M400625		0.21	3.2	210	9.6	0.1	0.001	0.01	0.91	0.1	0.2	<0.2	69.8	<0.01	0.01	<0.2



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	1	0.001
M400590		<0.005	0.94	13.40	144	15.60	20.5	409	10.1			
M400591		<0.005	0.59	2.78	4	0.05	6.66	216	7.5			
M400592		<0.005	0.19	1.30	1	<0.05	1.90	34	2.2			
M400593		<0.005	0.33	1.28	1	<0.05	1.79	128	1.8			
M400594		<0.005	0.40	1.25	3	0.06	4.37	170	4.3			
M400595		<0.005	0.16	1.59	1	0.15	2.79	24	1.9			
M400596		<0.005	0.26	1.70	1	<0.05	3.21	68	1.6			
M400597		<0.005	0.06	0.94	4	<0.05	21.7	15	8.3			
M400598		<0.005	0.52	2.13	2	<0.05	3.63	165	3.0			
M400599		<0.005	0.50	2.05	2	<0.05	3.53	163	3.1			
M400600		<0.005	0.52	1.49	1	<0.05	3.23	220	1.9			
M400601		<0.005	0.53	1.31	3	<0.05	4.20	108	3.1			
M400602		<0.005	0.52	1.59	2	<0.05	4.53	188	2.6			
M400603		<0.005	<0.02	0.55	2	<0.05	0.82	13	<0.5			
M400604		<0.005	1.26	1.56	3	0.08	6.72	1280	4.0			
M400605		<0.005	0.24	1.19	1	<0.05	5.58	158	0.8			
M400606		<0.005	0.08	0.93	1	0.07	6.56	10	<0.5			
M400607		<0.005	0.25	1.58	1	<0.05	5.96	1500	2.1			
M400608		<0.005	0.46	2.62	3	0.08	7.99	864	5.4			
M400609		<0.005	0.33	2.94	3	0.08	8.45	562	5.6			
M400610		<0.005	0.05	0.94	1	0.06	3.58	90	0.8			
M400611		<0.005	0.03	1.06	1	<0.05	4.11	72	0.6			
M400612		<0.005	0.08	1.10	1	<0.05	4.67	916	1.2			
M400613		<0.005	<0.02	0.57	1	<0.05	0.85	16	<0.5			
M400614		<0.005	0.13	1.02	2	0.05	5.73	155	1.7			
M400615		<0.005	0.24	1.17	2	0.08	4.56	80	3.6			
M400616		<0.005	0.29	0.75	3	0.06	3.69	39	3.3			
M400617		<0.005	0.20	1.11	12	0.66	7.51	>10000	2.2	4.99	146	5.00
M400618		<0.005	0.52	0.85	5	<0.05	6.63	47	5.3			
M400619		<0.005	0.17	0.76	3	0.05	5.78	12	3.5			
M400620		<0.005	0.18	0.83	3	0.05	6.31	12	4.3			
M400621		<0.005	0.66	0.74	6	0.08	8.93	38	6.4			
M400622		<0.005	0.06	1.26	1	<0.05	2.60	91	0.8			
M400623		<0.005	0.04	1.45	1	<0.05	1.69	75	<0.5			
M400624		<0.005	0.03	1.20	<1	<0.05	1.31	86	<0.5			
M400625		<0.005	0.09	1.20	<1	<0.05	1.20	78	<0.5			





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**CERTIFICATE OF ANALYSIS WH12191996**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12191997**

Project: CRAG EAST  
 P.O. No.: Batch 26  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12191997**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400626		7.54	0.001	0.01	0.02	<2	<0.2	<10	20	0.11	<0.01	21.1	0.52	1.19	0.7	<1
M400627		7.79	0.002	<0.01	0.02	4	<0.2	<10	20	0.05	<0.01	21.4	0.17	1.60	0.8	<1
M400628		7.60	0.003	0.01	0.04	6	<0.2	<10	40	0.12	<0.01	19.95	0.69	2.17	1.0	<1
M400629		7.91	0.001	<0.01	0.02	5	<0.2	<10	10	0.10	<0.01	19.65	0.28	0.95	0.8	<1
M400630		7.58	<0.001	0.01	0.04	15	<0.2	<10	40	0.09	<0.01	20.5	0.33	1.69	0.9	<1
M400631		4.03	<0.001	0.02	0.03	11	<0.2	<10	30	0.06	<0.01	19.20	1.83	1.14	0.8	<1
M400632		4.62	0.003	0.05	0.08	37	<0.2	<10	90	0.14	0.01	20.4	2.89	3.87	1.6	<1
M400633		5.15	0.002	<0.01	0.03	2	<0.2	<10	10	<0.05	0.02	20.0	0.06	1.11	1.2	<1
M400634		6.42	0.001	0.01	0.03	4	<0.2	<10	30	0.09	<0.01	19.50	0.49	1.32	0.8	<1
M400635		7.31	<0.001	0.01	0.03	9	<0.2	<10	40	0.10	<0.01	19.95	2.23	1.80	0.9	<1
M400636		7.66	0.002	0.07	0.06	23	<0.2	<10	80	0.15	0.01	19.85	5.30	2.34	1.1	<1
M400637		7.38	0.001	0.05	0.04	15	<0.2	<10	60	0.12	<0.01	20.0	13.20	2.29	1.1	<1
M400638		7.32	0.002	0.04	0.06	7	<0.2	<10	80	0.12	0.01	20.3	1.63	3.09	1.3	<1
M400639		3.86	0.001	0.03	0.05	9	<0.2	<10	70	0.18	<0.01	19.45	0.74	2.47	1.2	<1
M400640		3.06	0.002	0.01	0.04	4	<0.2	<10	50	0.11	<0.01	22.7	0.82	1.84	1.0	<1
M400641		7.53	0.001	0.01	0.03	11	<0.2	<10	40	0.05	<0.01	21.6	1.15	1.37	1.1	<1
M400642		4.26	0.002	0.01	0.02	10	<0.2	<10	10	0.08	<0.01	20.4	1.56	0.67	0.9	<1
M400643		4.17	0.033	0.45	0.03	33	<0.2	<10	30	0.10	0.04	22.0	2.37	1.01	1.0	<1
M400644		0.26	0.157	>100	0.64	4900	2.8	<10	50	0.58	9.54	12.30	309	19.00	22.3	15
M400645		5.36	0.002	0.04	0.04	11	<0.2	<10	50	0.13	<0.01	21.7	1.18	1.58	0.9	<1
M400646		<0.02	0.001	0.01	0.04	12	<0.2	<10	50	0.14	<0.01	22.2	1.06	1.57	1.0	<1
M400647		5.45	0.001	0.02	0.12	96	<0.2	<10	200	0.23	0.02	17.40	2.52	4.61	1.7	<1
M400648		2.03	0.001	0.05	0.11	133	<0.2	<10	120	0.20	0.02	16.75	3.11	5.04	1.3	1
M400649		4.31	0.001	0.01	0.04	21	<0.2	<10	40	0.05	<0.01	20.7	0.69	2.29	1.1	<1
M400650		2.10	0.001	<0.01	0.03	17	<0.2	<10	30	0.05	<0.01	19.95	0.75	2.36	1.1	<1
M400651		1.57	0.002	0.02	0.17	659	<0.2	<10	120	0.39	0.03	18.30	4.83	4.91	1.9	1
M400652		4.05	0.001	<0.01	0.02	<2	<0.2	<10	40	<0.05	0.02	20.8	0.06	1.10	1.3	<1
M400653		1.11	0.001	0.01	0.02	56	<0.2	<10	20	0.05	<0.01	16.70	1.09	1.58	1.8	<1
M400654		6.29	0.001	0.01	0.04	96	<0.2	<10	50	0.06	0.01	15.70	1.81	2.55	1.3	<1
M400655		5.44	0.003	0.01	0.10	105	<0.2	<10	180	0.11	0.03	17.60	2.83	3.90	1.9	<1
M400656		1.54	<0.001	<0.01	0.11	61	<0.2	<10	110	0.11	0.02	20.4	1.22	5.30	1.9	<1
M400657		5.93	0.002	<0.01	0.04	26	<0.2	<10	60	0.05	0.01	20.4	1.18	2.87	1.7	<1
M400658		0.26	0.093	63.5	0.93	2600	<0.2	<10	80	0.38	4.03	6.38	127.0	15.20	13.6	32
M400659		3.70	0.001	0.04	0.34	651	<0.2	<10	1360	0.51	0.19	14.05	5.87	19.30	8.0	5
M400660		3.58	<0.001	0.02	0.33	86	<0.2	10	170	0.29	0.12	17.15	0.96	14.20	4.3	3
M400661		3.90	0.001	0.01	0.10	30	<0.2	<10	100	0.05	0.03	20.7	0.18	8.74	2.9	<1

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



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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12191997**

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
M400626		<0.05	1.7	0.34	0.14	0.05	<0.02	0.87	<0.005	<0.01	0.7	1.0	11.85	442	0.06	0.02
M400627		<0.05	1.5	0.29	0.16	0.08	<0.02	0.18	<0.005	<0.01	1.0	0.8	12.30	382	0.05	0.03
M400628		0.06	2.2	0.41	0.23	0.09	0.02	1.37	<0.005	0.01	1.4	1.0	11.85	458	0.09	0.03
M400629		<0.05	1.3	0.42	0.13	0.08	<0.02	0.19	<0.005	<0.01	0.6	0.6	11.75	494	0.08	0.02
M400630		0.12	1.7	0.40	0.17	0.08	<0.02	0.37	<0.005	0.01	0.9	1.0	11.25	475	0.08	0.02
M400631		0.09	1.8	0.36	0.26	0.09	<0.02	4.02	<0.005	0.01	0.6	0.9	10.35	372	0.08	0.02
M400632		0.44	4.5	0.79	0.49	0.09	0.05	8.94	<0.005	0.03	2.4	1.2	11.30	615	0.21	0.02
M400633		0.12	1.5	0.46	0.19	0.09	<0.02	0.03	<0.005	0.02	0.5	0.9	11.95	212	0.05	0.01
M400634		0.05	1.2	0.37	0.19	0.11	<0.02	0.40	<0.005	0.01	0.7	0.7	11.15	419	0.08	0.02
M400635		0.07	1.8	0.62	0.31	0.10	0.02	3.78	<0.005	0.01	0.9	0.6	11.25	599	0.08	0.02
M400636		0.19	6.6	1.62	0.52	<0.05	0.04	12.95	0.007	0.02	1.4	0.8	11.00	1040	0.19	0.02
M400637		0.19	4.6	0.94	0.97	0.06	0.03	32.7	0.007	0.01	1.2	0.8	11.30	734	0.12	0.03
M400638		0.17	3.6	1.04	0.31	0.08	0.04	1.34	<0.005	0.02	1.7	1.0	11.35	915	0.10	0.02
M400639		0.16	2.8	0.89	0.27	0.06	0.03	1.16	<0.005	0.02	1.6	0.8	11.55	753	0.07	0.03
M400640		0.07	2.0	0.55	0.21	0.07	0.02	0.56	<0.005	0.01	1.1	0.7	9.37	475	0.08	0.02
M400641		0.05	2.0	0.52	0.22	0.08	<0.02	1.45	<0.005	0.01	0.8	0.6	9.79	489	0.10	0.02
M400642		<0.05	1.1	0.52	0.17	0.10	<0.02	0.44	<0.005	<0.01	0.3	0.5	11.15	536	0.06	0.02
M400643		0.05	9.7	0.50	0.21	0.10	<0.02	1.20	<0.005	<0.01	0.6	0.6	9.11	555	0.09	0.02
M400644		1.43	2420	4.36	3.25	0.14	0.07	6.69	0.138	0.13	9.9	10.2	0.46	5810	4.68	0.02
M400645		0.14	2.1	0.71	0.22	0.05	<0.02	1.41	<0.005	0.01	0.8	0.7	10.35	640	0.10	0.02
M400646		0.14	1.6	0.72	0.21	0.07	<0.02	1.21	<0.005	0.01	0.9	0.7	10.55	646	0.10	0.02
M400647		0.32	3.9	0.77	0.43	0.07	0.06	2.49	<0.005	0.03	2.8	1.2	9.69	509	0.11	0.02
M400648		0.31	4.6	0.87	0.37	0.06	0.09	4.66	<0.005	0.03	3.2	1.3	9.45	372	0.17	0.02
M400649		0.07	1.9	0.43	0.19	0.08	<0.02	0.74	<0.005	0.01	1.4	0.6	10.75	392	0.06	0.02
M400650		0.05	2.0	0.41	0.20	0.11	<0.02	0.81	<0.005	0.01	1.4	0.6	11.00	376	0.06	0.02
M400651		1.77	8.1	1.79	0.82	0.07	0.09	2.85	0.007	0.05	3.2	1.3	10.50	310	0.30	0.02
M400652		0.23	1.7	0.46	0.16	0.09	<0.02	0.02	<0.005	0.01	0.5	0.9	12.00	201	<0.05	0.01
M400653		<0.05	1.6	0.53	0.20	0.09	<0.02	1.35	<0.005	<0.01	0.8	0.4	9.56	406	0.10	0.02
M400654		0.14	2.1	0.55	0.27	0.08	0.03	5.69	<0.005	0.01	1.5	0.4	9.02	265	0.12	0.02
M400655		0.66	4.0	0.74	0.42	0.07	0.05	3.32	<0.005	0.04	2.4	0.8	9.91	416	0.13	0.02
M400656		0.77	3.4	0.57	0.44	0.10	0.05	1.39	<0.005	0.04	3.2	1.0	11.10	447	0.07	0.02
M400657		0.09	1.9	0.62	0.25	0.10	0.02	0.92	<0.005	0.01	1.7	0.6	11.15	603	0.07	0.02
M400658		1.01	1070	3.40	3.68	0.13	0.19	3.17	0.071	0.11	7.6	8.3	0.55	2730	5.36	0.05
M400659		4.74	23.9	2.86	1.36	0.11	0.15	2.12	0.025	0.15	9.3	1.9	6.86	739	0.32	0.01
M400660		2.69	9.8	1.99	1.06	0.08	0.11	2.93	0.013	0.14	6.3	2.0	8.05	861	0.12	0.02
M400661		0.37	3.5	1.52	0.40	0.07	0.05	1.17	0.005	0.03	5.8	1.0	9.86	1170	0.11	0.02



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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12191997**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M400626		0.13	<0.2	220	8.8	0.2	<0.001	0.01	0.79	0.1	0.2	<0.2	84.4	<0.01	0.01	<0.2
M400627		0.13	<0.2	260	43.9	0.1	<0.001	0.01	1.03	0.2	0.3	<0.2	65.1	<0.01	0.01	<0.2
M400628		0.14	<0.2	340	23.5	0.3	<0.001	0.01	2.13	0.3	0.3	<0.2	99.6	<0.01	0.01	0.2
M400629		0.13	<0.2	180	7.9	0.1	<0.001	0.01	0.87	0.1	0.2	<0.2	84.3	<0.01	0.01	<0.2
M400630		0.13	<0.2	270	33.7	0.3	<0.001	0.01	3.87	0.3	0.2	<0.2	91.0	<0.01	0.01	<0.2
M400631		0.13	<0.2	190	105.0	0.2	<0.001	0.01	3.29	0.2	0.3	<0.2	88.2	<0.01	0.01	<0.2
M400632		0.15	1.5	310	81.5	1.0	0.001	0.02	7.31	0.8	0.4	0.2	111.5	<0.01	0.02	0.5
M400633		0.15	1.3	200	1.5	0.8	<0.001	<0.01	<0.05	0.3	0.2	<0.2	44.6	<0.01	0.01	<0.2
M400634		0.14	0.7	170	32.9	0.2	<0.001	0.01	3.16	0.2	0.2	<0.2	92.3	<0.01	0.01	<0.2
M400635		0.14	0.7	270	40.1	0.2	<0.001	0.02	3.32	0.3	0.3	<0.2	85.2	<0.01	0.01	<0.2
M400636		0.12	3.3	370	172.0	0.7	0.001	0.10	10.35	1.3	0.4	<0.2	90.5	<0.01	0.02	0.3
M400637		0.13	1.1	340	180.0	0.5	<0.001	0.05	7.23	0.6	0.7	0.2	104.5	<0.01	0.02	0.3
M400638		0.15	1.7	360	106.5	0.6	<0.001	0.02	5.63	0.7	0.4	<0.2	104.5	<0.01	0.02	0.4
M400639		0.15	1.6	360	50.8	0.5	0.001	0.03	2.85	0.7	0.4	<0.2	109.5	<0.01	0.02	0.3
M400640		0.17	1.1	270	58.4	0.3	<0.001	0.01	2.96	0.4	0.4	<0.2	86.4	<0.01	0.02	0.2
M400641		0.16	1.3	170	115.5	0.2	<0.001	0.01	3.29	0.3	0.3	<0.2	95.6	<0.01	0.03	<0.2
M400642		0.14	0.9	160	223	0.1	0.001	0.01	12.00	0.2	0.3	<0.2	97.4	<0.01	0.01	<0.2
M400643		0.17	1.1	140	263	0.2	<0.001	0.03	8.61	0.2	0.3	<0.2	116.0	<0.01	0.02	<0.2
M400644		0.20	19.3	780	>10000	9.2	0.003	5.51	89.9	3.1	9.5	1.7	556	<0.01	0.43	3.3
M400645		0.11	0.4	330	52.3	0.3	<0.001	0.04	5.32	0.2	0.4	<0.2	138.5	<0.01	0.02	<0.2
M400646		0.12	0.7	330	40.8	0.2	<0.001	0.04	5.54	0.2	0.3	<0.2	137.0	<0.01	0.02	<0.2
M400647		0.12	2.4	250	182.5	1.3	<0.001	0.01	21.1	1.2	0.3	<0.2	139.5	<0.01	0.02	0.7
M400648		0.12	3.1	160	198.5	1.0	<0.001	<0.01	17.65	1.2	0.3	0.2	143.0	<0.01	0.01	0.9
M400649		0.13	1.1	350	42.7	0.3	<0.001	<0.01	2.63	0.3	0.3	<0.2	84.6	<0.01	0.01	0.2
M400650		0.13	1.3	330	40.8	0.2	<0.001	0.01	3.44	0.3	0.2	0.2	81.0	<0.01	0.02	0.3
M400651		0.16	5.4	370	540	2.4	<0.001	<0.01	168.0	1.4	0.4	<0.2	127.5	<0.01	0.04	0.7
M400652		0.16	1.9	190	2.1	0.9	<0.001	0.02	0.19	0.3	0.2	<0.2	43.9	<0.01	0.02	0.2
M400653		0.12	1.4	170	134.5	0.2	<0.001	<0.01	13.80	0.3	0.3	<0.2	57.8	<0.01	0.01	<0.2
M400654		0.11	1.8	280	149.5	0.4	<0.001	<0.01	22.3	0.4	0.3	<0.2	65.8	<0.01	0.02	0.3
M400655		0.14	2.8	310	163.5	1.4	<0.001	<0.01	25.3	0.9	0.4	0.3	76.7	<0.01	0.02	0.6
M400656		0.16	2.3	270	79.1	1.6	<0.001	<0.01	11.35	0.7	0.4	<0.2	64.9	<0.01	0.02	0.7
M400657		0.16	1.7	350	49.2	0.4	<0.001	<0.01	3.74	0.4	0.4	<0.2	60.2	<0.01	0.02	0.3
M400658		0.27	27.7	640	>10000	7.0	0.003	2.71	42.6	3.8	4.1	1.8	284	<0.01	0.19	2.5
M400659		0.13	11.7	780	692	6.3	<0.001	0.03	85.3	5.9	0.9	1.6	83.5	0.01	0.05	5.1
M400660		0.13	6.8	540	42.2	5.5	<0.001	0.03	7.61	3.8	0.6	0.3	77.0	<0.01	0.04	3.2
M400661		0.15	3.0	170	15.1	1.1	<0.001	<0.01	1.89	1.3	0.5	<0.2	71.1	<0.01	0.03	0.5

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	1	0.001
M400626		<0.005	0.06	1.37	<1	<0.05	1.72	155	<0.5			
M400627		<0.005	0.05	1.34	1	<0.05	1.96	110	<0.5			
M400628		<0.005	0.07	1.57	1	<0.05	2.68	169	0.7			
M400629		<0.005	0.07	1.27	<1	<0.05	1.50	92	<0.5			
M400630		<0.005	0.12	1.56	1	<0.05	2.62	104	0.6			
M400631		<0.005	0.05	1.27	<1	<0.05	1.77	247	0.6			
M400632		<0.005	0.23	1.40	2	0.05	3.64	590	2.0			
M400633		<0.005	<0.02	0.49	1	<0.05	0.89	13	<0.5			
M400634		<0.005	0.07	1.02	1	<0.05	1.55	67	<0.5			
M400635		<0.005	0.13	1.22	1	<0.05	2.07	535	0.5			
M400636		<0.005	0.24	1.34	2	<0.05	3.30	1710	1.4			
M400637		<0.005	0.22	1.32	2	<0.05	2.83	5350	0.9			
M400638		<0.005	0.17	1.49	2	0.05	3.41	280	1.4			
M400639		<0.005	0.20	1.27	2	<0.05	2.70	302	1.2			
M400640		<0.005	0.18	1.12	1	<0.05	3.51	178	0.8			
M400641		<0.005	0.10	1.11	1	<0.05	2.47	234	0.5			
M400642		<0.005	0.16	1.15	1	<0.05	1.58	154	<0.5			
M400643		<0.005	0.08	0.90	<1	<0.05	2.89	330	<0.5			
M400644		<0.005	0.20	1.15	13	0.74	7.43	>10000	2.1	5.12	148	5.06
M400645		<0.005	0.18	1.33	1	<0.05	2.71	421	<0.5			
M400646		<0.005	0.18	1.29	1	<0.05	2.58	372	<0.5			
M400647		<0.005	1.13	0.85	3	0.07	3.12	458	2.5			
M400648		<0.005	0.31	0.89	4	0.09	2.87	540	3.7			
M400649		<0.005	0.40	0.36	1	<0.05	2.52	159	0.5			
M400650		<0.005	0.34	0.37	1	<0.05	2.23	146	0.5			
M400651		<0.005	0.71	0.68	4	1.11	3.98	1660	4.7			
M400652		<0.005	<0.02	0.72	1	0.07	0.81	15	<0.5			
M400653		<0.005	0.24	0.28	1	0.05	1.52	262	0.5			
M400654		<0.005	0.11	0.39	1	0.05	2.22	367	1.0			
M400655		<0.005	0.25	0.50	2	0.06	3.02	985	1.8			
M400656		<0.005	0.18	0.69	2	<0.05	3.67	562	2.0			
M400657		<0.005	0.34	0.50	2	<0.05	3.50	228	0.7			
M400658		0.054	0.14	0.78	32	6.65	7.60	>10000	5.8	1.940		1.955
M400659		<0.005	1.17	0.85	8	0.33	13.50	3470	6.0			
M400660		<0.005	0.60	0.62	6	0.11	10.30	907	3.7			
M400661		<0.005	0.39	0.35	2	<0.05	6.21	297	1.4			



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Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12191997**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12191998**

Project: CRAG EAST 2  
 P.O. No.:  
 This report is for 10 Rock samples submitted to our lab in Whitehorse, YT, Canada on 15- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
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	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: CRAG EAST 2

**CERTIFICATE OF ANALYSIS WH12191998**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
G006008		0.16	<0.001	0.06	0.49	2.5	<0.2	<10	70	0.17	0.12	0.25	0.03	1.53	5.1	9
G006009		0.25	0.009	0.10	0.52	51.7	<0.2	<10	40	0.11	0.25	0.15	0.03	9.05	5.4	13
G006010		0.18	0.001	0.09	0.49	7	<0.2	<10	3030	0.11	0.03	14.15	0.57	6.78	2.2	43
G006011		0.15	0.004	0.13	0.45	481	<0.2	<10	480	0.21	0.11	0.10	0.29	8.37	7.9	19
G006012		0.31	0.005	0.46	0.41	83.8	<0.2	<10	390	0.14	0.08	0.20	0.19	7.29	2.6	14
G006013		0.24	0.015	0.61	0.56	121.0	<0.2	<10	790	0.23	0.12	0.13	0.62	12.00	13.9	13
G006014		0.55	0.007	0.46	0.37	>10000	<0.2	<10	1270	0.24	0.14	8.49	1.16	7.74	6.0	17
G006015		0.46	0.004	0.29	0.41	4520	<0.2	<10	1320	0.18	0.09	10.80	0.50	6.61	4.3	12
G006016		0.33	0.002	0.08	1.02	122.0	<0.2	<10	80	0.39	0.04	4.44	0.10	7.92	31.4	93
G006017		0.59	0.001	0.02	0.70	46.2	<0.2	<10	40	0.31	0.02	3.31	0.09	2.58	18.1	74

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



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Project: CRAG EAST 2

**CERTIFICATE OF ANALYSIS WH12191998**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
G006008		0.40	3.0	2.11	1.31	<0.05	0.21	0.01	<0.005	0.04	0.6	10.6	0.13	922	0.20	0.01
G006009		0.52	7.7	3.02	1.55	<0.05	0.54	0.01	0.007	0.07	3.9	11.7	0.12	220	1.99	0.01
G006010		0.38	9.8	7.04	1.03	0.13	0.09	0.34	0.022	0.06	3.1	1.6	4.22	2210	1.54	0.02
G006011		1.20	54.0	2.54	1.76	0.05	0.10	1.54	0.027	0.10	4.7	5.0	0.07	231	2.27	0.01
G006012		1.45	59.3	1.40	1.72	<0.05	0.10	0.41	0.016	0.09	4.1	3.7	0.09	70	1.47	0.01
G006013		3.80	202	12.70	1.91	0.16	0.23	3.03	0.100	0.21	6.9	5.2	0.09	342	14.75	0.01
G006014		1.07	59.2	3.95	1.34	0.09	0.13	109.5	0.033	0.06	4.5	3.3	3.99	1240	2.59	0.04
G006015		1.05	36.7	4.32	1.31	0.07	0.13	8.39	0.017	0.05	3.6	3.5	4.81	1200	1.41	0.04
G006016		0.22	94.4	6.90	3.91	0.10	0.24	0.56	0.065	0.03	3.3	6.9	1.61	1140	0.28	0.02
G006017		0.22	28.5	4.89	2.87	0.13	0.21	0.16	0.034	0.01	0.9	5.5	1.09	749	0.10	0.02

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 Account: MTT

Project: CRAG EAST 2

**CERTIFICATE OF ANALYSIS WH12191998**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	
G006008		<0.05	9.8	280	33.9	2.1	<0.001	0.01	0.07	0.9	<0.2	0.2	6.2	<0.01	0.01	2.3
G006009		<0.05	11.2	80	36.1	4.0	0.001	0.95	0.37	0.6	0.3	0.2	4.4	<0.01	0.04	5.5
G006010		0.22	6.4	1760	7.0	2.6	0.002	0.05	0.29	38.4	0.5	0.2	371	0.01	0.03	0.5
G006011		0.05	27.3	320	9.0	4.6	0.003	0.07	0.78	2.7	1.3	0.3	103.5	<0.01	0.05	1.4
G006012		<0.05	10.0	390	5.0	4.5	0.003	0.03	0.66	2.2	0.7	0.3	75.4	<0.01	0.04	1.6
G006013		0.17	53.0	280	20.6	8.5	0.014	0.07	4.01	7.4	3.4	0.3	60.3	<0.01	0.07	2.3
G006014		0.15	14.8	1040	20.7	2.9	0.008	0.39	5.61	5.1	5.5	0.3	516	<0.01	0.09	1.1
G006015		0.10	11.1	1010	6.3	2.6	0.005	0.28	1.01	5.0	1.5	0.2	384	0.01	0.07	0.9
G006016		0.08	62.1	200	3.9	1.9	0.001	0.10	0.09	21.1	0.5	0.5	27.1	0.01	0.02	1.0
G006017		0.05	37.4	80	2.0	0.5	<0.001	0.02	0.13	17.3	0.2	0.4	14.7	<0.01	0.01	0.3

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 Account: MTT

Project: CRAG EAST 2

**CERTIFICATE OF ANALYSIS WH12191998**

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm	As- OG46 As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
G006008		0.005	0.02	0.83	8	<0.05	4.59	57	13.9	
G006009		<0.005	0.03	0.69	5	<0.05	2.70	38	21.4	
G006010		<0.005	0.08	0.58	489	<0.05	10.95	24	2.5	
G006011		<0.005	0.08	0.45	55	<0.05	3.01	84	4.3	
G006012		<0.005	0.06	0.32	53	<0.05	1.86	83	4.1	
G006013		<0.005	0.79	2.17	64	<0.05	4.73	223	10.7	
G006014		<0.005	1.36	1.05	152	<0.05	10.70	90	4.2	3.73
G006015		<0.005	0.19	0.97	118	<0.05	10.50	56	4.6	
G006016		0.013	0.03	0.12	261	<0.05	14.30	81	7.0	
G006017		0.018	<0.02	0.05	219	<0.05	8.90	46	7.8	

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Project: CRAG EAST 2

**CERTIFICATE OF ANALYSIS WH12191998**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Account: MTT**

**CERTIFICATE WH12193052**

Project: Crag East 3  
 P.O. No.:  
 This report is for 184 Soil samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

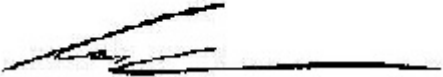
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143674		0.15	0.001	0.13	1.37	17.0	<0.2	<10	190	0.76	0.38	0.37	0.17	17.15	11.6	23
CC143675		0.13	0.006	0.08	1.06	11.1	<0.2	<10	150	0.58	0.33	0.36	0.15	13.15	8.6	21
CC143676		0.25	0.010	0.16	1.35	22.0	<0.2	<10	270	2.45	0.47	1.21	0.15	18.30	11.3	22
CC143677		0.24	NSS	0.20	1.23	19.8	<0.2	<10	290	1.47	0.39	1.52	0.16	16.40	12.5	19
CC143678		0.19	0.001	0.15	1.13	16.8	<0.2	<10	310	0.74	0.26	2.24	0.50	13.40	9.2	17
CC143679		0.31	0.002	0.09	0.97	32.4	<0.2	<10	190	1.05	0.40	3.32	0.19	14.10	14.7	18
CC143680		0.23	0.002	0.10	0.84	26.0	<0.2	<10	190	0.93	0.32	2.76	0.26	13.20	12.0	15
CC143681		0.19	0.001	0.10	0.91	23.2	<0.2	10	190	0.93	0.33	1.52	0.27	16.85	12.5	14
CC143682		0.18	0.002	0.18	1.01	20.4	<0.2	10	220	0.81	0.27	2.62	0.27	16.45	9.9	16
CC143683		0.19	0.003	0.10	1.00	22.6	<0.2	10	210	0.88	0.30	1.76	0.35	14.90	11.5	16
CC143684		0.17	0.002	0.09	1.02	27.8	<0.2	<10	300	0.95	0.31	1.81	0.25	14.45	10.9	16
CC143685		0.14	0.007	0.08	0.96	27.6	<0.2	10	330	0.83	0.28	2.75	0.28	11.10	9.9	14
CC143686		0.16	0.006	0.11	0.84	19.7	<0.2	10	280	0.72	0.24	2.79	0.53	11.90	9.1	13
CC143687		0.27	0.009	0.08	1.19	33.0	<0.2	<10	150	1.20	0.41	0.84	0.19	21.7	17.1	20
CC143688		0.24	0.009	0.10	1.13	39.7	<0.2	<10	230	0.97	0.38	2.05	0.23	16.45	14.0	19
CC143689		0.13	0.010	0.09	0.88	19.8	<0.2	10	220	0.81	0.26	3.04	0.40	13.05	10.4	13
CC143690		0.25	0.004	0.11	0.92	29.8	<0.2	<10	140	0.91	0.38	2.05	0.30	22.6	15.2	18
CC143691		0.25	0.006	0.08	0.76	16	<0.2	10	180	0.70	0.23	13.10	0.25	10.55	6.8	9
CC143692		0.32	0.003	0.10	1.17	31.5	<0.2	<10	190	0.82	0.36	0.77	0.17	20.8	14.2	22
CC143693		0.20	0.002	0.12	0.77	27.7	<0.2	10	190	0.70	0.28	2.15	0.33	12.55	8.3	13
CC143694		0.21	0.004	0.05	0.90	24.0	<0.2	<10	150	1.12	0.50	0.39	0.11	19.45	15.1	17
CC143695		0.19	0.002	0.08	1.29	33.7	<0.2	<10	220	0.91	0.34	1.16	0.52	19.25	11.4	21
CC143696		0.24	0.002	0.03	1.41	15.3	<0.2	<10	140	0.59	0.26	0.23	0.10	19.10	9.3	24
CC143697		0.26	0.001	0.05	1.46	18.0	<0.2	<10	180	0.68	0.28	0.33	0.13	19.45	9.3	24
CC143698		0.26	0.002	0.08	1.33	19.8	<0.2	<10	240	1.00	0.39	0.81	0.09	23.8	13.4	20
CC143699		0.15	0.004	0.09	0.94	36.3	<0.2	10	150	0.72	0.27	2.33	0.30	11.40	9.8	16
CC143700		0.19	0.006	0.09	0.84	32.2	<0.2	10	290	0.74	0.23	2.92	0.44	12.20	10.1	14
CC143701		0.21	0.002	0.08	0.84	58.4	<0.2	<10	220	0.76	0.29	2.40	0.35	18.10	13.7	15
CC143702		0.25	0.007	0.11	1.00	41.6	<0.2	<10	220	0.89	0.32	2.43	0.31	15.70	13.8	18
CC143703		0.21	0.005	0.14	0.96	53.4	<0.2	<10	200	0.75	0.30	2.57	0.35	16.20	9.4	16
CC143704		0.24	0.003	0.12	0.73	145.5	<0.2	10	230	0.64	0.25	3.42	0.38	12.05	9.3	11
CC143705		0.16	0.003	0.07	1.21	78.5	<0.2	<10	240	1.38	0.40	1.46	0.32	34.4	14.3	20
CC143706		0.13	0.010	0.12	0.67	139.0	<0.2	10	230	0.51	0.20	4.60	0.43	13.65	7.8	12
CC143707		0.13	0.005	0.21	0.81	36.5	<0.2	<10	280	0.46	0.17	3.70	0.69	11.00	5.9	12
CC143708		0.21	0.004	0.11	1.05	73.9	<0.2	<10	190	0.93	0.34	2.82	0.34	22.5	13.5	18
CC143709		0.27	0.002	0.08	1.12	49.6	<0.2	<10	160	0.67	0.29	2.25	0.14	24.9	11.0	20
CC143710		0.20	0.001	0.03	0.27	10.6	<0.2	<10	30	0.06	0.04	0.16	0.05	2.70	0.7	3
CC143711		0.24	0.003	0.13	0.88	41.5	<0.2	<10	150	0.73	0.21	2.47	0.16	13.95	8.8	14
CC143712		0.15	0.015	0.07	0.74	49.6	<0.2	<10	140	0.64	0.19	2.79	0.30	12.45	10.1	13
CC143713		0.21	0.003	0.09	0.95	81.1	<0.2	<10	140	0.79	0.24	2.54	0.22	17.05	11.5	16



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143674		0.84	29.4	3.30	5.08	<0.05	0.04	0.13	0.031	0.10	8.8	23.6	0.36	516	0.76	0.01
CC143675		0.97	22.4	3.07	5.13	<0.05	0.02	0.05	0.026	0.12	6.1	18.5	0.30	730	0.60	0.01
CC143676		3.65	147.5	3.32	3.93	0.06	0.06	0.19	0.034	0.12	10.0	31.1	0.44	703	0.69	0.01
CC143677		1.27	72.6	3.26	3.68	<0.05	0.06	0.32	0.034	0.11	8.3	19.5	0.36	707	0.72	0.01
CC143678		0.75	26.8	2.61	3.28	<0.05	0.04	0.23	0.025	0.07	6.7	12.2	0.35	651	0.60	0.01
CC143679		1.60	47.4	3.49	3.43	<0.05	0.04	0.31	0.034	0.12	6.2	14.9	1.07	727	0.71	0.01
CC143680		1.09	53.1	3.20	2.85	<0.05	0.05	0.33	0.029	0.10	6.3	13.3	1.23	676	0.93	0.01
CC143681		1.09	31.3	3.10	2.99	<0.05	0.05	0.16	0.033	0.11	7.7	13.0	0.38	695	0.73	0.01
CC143682		0.93	52.4	2.62	3.03	<0.05	0.04	0.31	0.027	0.09	7.9	14.3	0.52	717	0.63	0.01
CC143683		0.87	29.1	3.01	3.07	<0.05	0.05	0.23	0.028	0.11	7.0	14.3	0.40	699	0.68	0.01
CC143684		1.03	34.5	3.05	3.26	<0.05	0.05	0.26	0.028	0.11	7.2	14.6	0.41	566	0.64	0.01
CC143685		0.78	33.3	2.76	2.89	<0.05	0.04	0.35	0.030	0.11	5.4	11.5	0.38	432	0.70	0.01
CC143686		0.87	27.9	2.46	2.63	<0.05	0.07	0.24	0.026	0.12	6.1	11.2	0.51	501	0.80	0.01
CC143687		1.14	41.1	3.97	4.15	0.05	0.05	0.36	0.041	0.14	10.9	13.8	0.42	828	1.01	0.01
CC143688		1.15	33.5	3.65	3.74	<0.05	0.07	0.37	0.034	0.13	7.9	14.1	0.89	778	0.76	0.01
CC143689		0.92	30.4	2.64	2.59	<0.05	0.05	0.30	0.029	0.11	6.6	9.4	0.51	567	0.66	0.01
CC143690		1.41	30.4	3.60	3.17	<0.05	0.06	0.35	0.036	0.12	9.1	15.8	1.03	882	0.96	0.01
CC143691		1.73	25.7	2.21	2.30	<0.05	0.07	0.13	0.021	0.13	5.0	13.5	0.99	317	0.37	0.02
CC143692		0.95	28.3	3.78	3.92	<0.05	0.06	0.33	0.037	0.10	9.7	19.9	0.49	651	0.95	0.01
CC143693		2.31	27.6	2.70	2.33	<0.05	0.05	0.44	0.027	0.09	6.2	10.5	0.48	397	0.70	0.01
CC143694		0.80	50.0	4.42	3.04	<0.05	0.05	0.23	0.039	0.07	9.1	14.3	0.26	454	0.65	0.01
CC143695		1.52	28.2	3.40	3.78	<0.05	0.04	0.33	0.039	0.11	9.1	15.3	0.31	526	0.87	0.01
CC143696		0.85	15.2	3.05	4.84	<0.05	0.04	0.05	0.027	0.08	9.4	24.9	0.41	294	0.63	0.01
CC143697		1.19	19.8	3.18	4.72	<0.05	0.04	0.10	0.026	0.09	9.3	28.0	0.40	302	0.76	0.01
CC143698		0.69	25.0	3.72	3.80	<0.05	0.04	0.27	0.035	0.11	11.3	16.0	0.48	835	0.71	0.01
CC143699		1.23	30.9	3.06	3.10	<0.05	0.05	0.53	0.031	0.11	5.6	12.9	0.54	575	0.66	0.01
CC143700		0.92	29.6	2.78	2.80	<0.05	0.03	0.39	0.030	0.09	5.9	11.1	0.64	700	0.71	0.01
CC143701		1.08	28.8	3.14	3.09	<0.05	0.03	0.62	0.033	0.08	6.6	12.2	0.65	986	0.91	0.01
CC143702		1.16	30.9	3.30	3.51	<0.05	0.04	0.46	0.031	0.09	7.3	14.4	0.88	917	0.88	0.01
CC143703		0.95	28.9	3.13	3.03	<0.05	0.04	0.63	0.033	0.08	8.9	14.2	0.87	657	0.78	0.01
CC143704		9.25	27.1	2.49	2.36	<0.05	0.03	0.50	0.026	0.07	5.6	9.1	0.73	635	0.67	0.01
CC143705		0.85	28.2	4.33	4.04	0.09	0.06	0.42	0.053	0.09	20.5	17.3	0.64	1140	1.25	0.01
CC143706		9.35	22.8	2.49	1.97	<0.05	0.03	0.37	0.021	0.05	5.9	8.8	1.37	1040	0.67	0.01
CC143707		0.63	27.1	1.81	2.44	<0.05	0.02	0.24	0.020	0.04	5.7	6.7	0.42	773	0.48	0.01
CC143708		1.07	29.2	3.78	3.65	<0.05	0.04	0.60	0.041	0.07	10.0	14.5	1.36	1280	0.83	0.01
CC143709		0.77	17.5	3.53	3.66	<0.05	0.04	0.34	0.031	0.06	10.3	13.9	1.17	1010	0.77	0.01
CC143710		0.41	1.7	0.46	0.80	<0.05	0.02	0.14	0.005	0.02	1.2	1.0	0.02	35	0.14	<0.01
CC143711		0.56	23.1	2.90	2.61	<0.05	0.04	4.71	0.024	0.06	6.7	9.6	0.75	578	0.57	0.01
CC143712		0.81	22.0	2.62	2.33	<0.05	0.04	0.44	0.025	0.06	5.5	8.9	0.85	657	0.56	0.01
CC143713		0.92	24.9	3.41	2.76	<0.05	0.05	0.64	0.029	0.06	7.7	10.3	1.05	794	0.67	0.01

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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143674		0.62	23.9	230	21.6	12.9	<0.001	0.01	0.37	3.5	0.3	0.6	23.6	<0.01	0.02	4.0
CC143675		0.61	16.8	270	16.2	14.5	<0.001	0.01	0.33	2.7	0.2	0.6	22.2	<0.01	0.03	3.4
CC143676		0.51	27.1	550	25.4	13.0	<0.001	0.05	0.51	5.7	0.8	0.6	255	<0.01	0.03	3.5
CC143677		0.45	26.3	580	21.7	11.2	<0.001	0.05	0.55	4.4	0.7	0.6	132.0	<0.01	0.02	2.1
CC143678		0.48	19.0	680	15.7	8.3	<0.001	0.07	0.46	2.6	0.8	0.4	73.1	<0.01	<0.01	0.9
CC143679		0.45	29.0	480	26.1	8.9	<0.001	0.03	0.52	4.8	0.4	0.5	61.0	<0.01	0.02	3.8
CC143680		0.37	24.8	510	20.4	10.4	<0.001	0.03	0.62	4.0	0.7	0.5	46.4	<0.01	0.03	2.3
CC143681		0.38	21.6	420	21.9	12.7	<0.001	0.05	0.53	4.0	1.0	0.5	55.8	<0.01	0.03	2.1
CC143682		0.53	22.5	720	16.6	13.6	0.001	0.11	0.58	2.1	1.8	0.5	85.6	<0.01	0.02	0.7
CC143683		0.43	22.8	480	19.0	11.0	<0.001	0.06	0.54	3.5	1.0	0.4	69.8	<0.01	0.03	1.9
CC143684		0.43	22.9	480	20.5	9.3	0.001	0.05	0.56	4.0	1.0	0.4	59.8	<0.01	0.03	2.2
CC143685		0.38	23.9	540	17.1	8.1	0.001	0.09	0.63	2.8	1.1	0.5	99.0	<0.01	0.02	1.0
CC143686		0.35	21.9	650	15.6	9.1	0.001	0.10	0.57	2.9	1.3	0.4	145.5	<0.01	0.03	1.2
CC143687		0.36	36.0	220	25.7	11.0	<0.001	0.01	0.66	7.0	0.8	0.7	22.3	<0.01	0.03	4.9
CC143688		0.38	29.2	350	25.1	8.8	<0.001	0.02	0.59	5.1	0.8	0.6	33.6	<0.01	0.02	3.9
CC143689		0.32	23.6	600	17.4	8.3	<0.001	0.08	0.54	2.7	1.0	0.4	84.0	<0.01	0.02	1.0
CC143690		0.45	27.7	380	25.9	10.5	<0.001	0.02	0.61	4.8	0.8	0.7	96.9	<0.01	0.04	4.2
CC143691		0.26	17.3	450	13.5	19.0	<0.001	0.05	0.30	3.3	0.6	0.4	1010	<0.01	0.03	2.2
CC143692		0.54	30.0	230	22.6	7.6	<0.001	0.01	0.68	5.2	0.7	0.7	30.0	<0.01	0.01	4.2
CC143693		0.32	19.2	570	20.8	14.1	0.001	0.09	0.62	3.1	1.2	0.4	71.0	<0.01	0.04	1.5
CC143694		0.23	31.4	190	22.8	8.3	<0.001	0.01	0.38	6.3	0.5	0.5	23.9	<0.01	0.02	5.2
CC143695		0.57	23.2	380	24.2	10.9	<0.001	0.04	0.65	4.7	0.9	0.5	39.7	<0.01	0.04	2.7
CC143696		0.73	23.1	140	13.1	10.0	<0.001	<0.01	0.39	2.9	<0.2	0.6	13.8	<0.01	0.01	3.7
CC143697		0.65	23.8	170	14.8	10.9	<0.001	<0.01	0.45	3.3	0.3	0.6	15.4	<0.01	0.02	3.7
CC143698		0.53	25.7	270	22.8	10.4	<0.001	0.01	0.60	4.9	0.4	0.6	19.8	<0.01	0.02	4.2
CC143699		0.53	23.8	550	19.8	12.9	<0.001	0.09	0.73	3.8	0.6	0.4	65.0	<0.01	0.02	1.6
CC143700		0.44	23.8	530	18.7	7.9	0.001	0.08	0.72	3.0	0.8	0.4	82.1	<0.01	0.02	0.9
CC143701		0.47	23.2	300	24.6	7.3	<0.001	0.05	0.83	3.7	0.6	0.5	52.3	<0.01	0.02	1.6
CC143702		0.54	27.7	430	23.8	8.7	0.001	0.05	0.77	4.3	0.7	0.6	46.9	<0.01	0.02	2.2
CC143703		0.56	20.8	490	26.4	9.1	<0.001	0.08	0.87	4.0	1.1	0.5	62.4	<0.01	0.04	1.5
CC143704		0.39	18.5	670	20.2	18.4	<0.001	0.13	0.90	2.2	1.9	0.4	93.9	<0.01	0.02	0.7
CC143705		0.59	29.5	320	43.4	13.0	<0.001	0.05	1.12	10.0	0.7	0.6	31.1	<0.01	0.07	5.4
CC143706		0.36	15.5	630	20.1	7.8	<0.001	0.12	0.85	2.2	1.9	0.3	77.3	<0.01	0.02	0.8
CC143707		0.45	13.4	830	11.6	5.9	<0.001	0.11	0.61	1.2	1.4	0.3	80.0	<0.01	0.02	0.3
CC143708		0.62	26.0	590	32.2	8.4	<0.001	0.03	1.01	5.0	0.8	0.6	39.8	<0.01	0.03	2.8
CC143709		1.09	21.4	280	25.5	6.9	<0.001	0.02	0.80	4.1	0.6	0.5	31.8	<0.01	0.02	3.8
CC143710		0.15	2.3	60	16.2	2.5	<0.001	0.01	0.26	0.3	0.2	<0.2	9.5	<0.01	0.01	1.0
CC143711		0.40	20.0	540	22.7	4.8	<0.001	0.04	0.65	3.3	0.7	0.4	65.1	<0.01	0.02	1.3
CC143712		0.43	18.3	500	20.1	6.8	<0.001	0.06	0.72	3.2	0.4	0.4	43.1	<0.01	0.01	1.3
CC143713		0.49	24.3	470	31.3	6.1	<0.001	0.04	1.02	4.6	0.7	0.5	30.0	<0.01	0.04	2.1

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143674		0.010	0.08	1.03	31	0.11	6.33	62	1.3
CC143675		0.014	0.09	0.64	30	0.11	3.96	53	0.7
CC143676		0.009	0.11	1.93	24	0.09	18.80	67	2.2
CC143677		0.005	0.10	1.99	25	0.08	11.75	85	1.7
CC143678		0.008	0.08	1.66	26	0.08	7.05	74	1.0
CC143679		0.007	0.13	0.83	22	0.08	8.10	94	1.5
CC143680		0.006	0.11	1.73	22	0.06	8.13	89	1.4
CC143681		0.005	0.10	1.66	22	0.07	8.82	82	1.4
CC143682		0.009	0.10	2.58	21	0.11	9.19	64	1.3
CC143683		0.006	0.11	0.97	23	0.10	7.94	92	1.5
CC143684		0.005	0.11	1.36	23	0.07	8.79	84	1.6
CC143685		<0.005	0.09	1.99	20	0.06	8.18	81	1.5
CC143686		<0.005	0.11	1.66	21	0.05	8.37	90	1.6
CC143687		<0.005	0.18	0.95	28	0.05	15.40	97	1.8
CC143688		0.005	0.15	0.79	25	0.06	10.45	102	1.8
CC143689		<0.005	0.10	2.32	20	0.05	9.24	82	1.3
CC143690		0.008	0.13	1.32	24	0.08	9.02	103	1.8
CC143691		0.005	0.10	0.90	14	<0.05	6.39	75	2.1
CC143692		0.010	0.15	0.67	31	0.10	9.31	93	1.8
CC143693		<0.005	0.12	0.80	21	0.06	8.15	134	1.4
CC143694		<0.005	0.09	0.89	21	<0.05	9.46	89	1.9
CC143695		0.008	0.12	2.44	33	0.11	10.05	109	1.4
CC143696		0.015	0.10	0.50	32	0.10	3.56	73	1.6
CC143697		0.011	0.11	0.56	33	0.11	5.31	80	1.4
CC143698		0.008	0.11	0.80	26	0.08	8.70	67	1.4
CC143699		0.007	0.16	0.75	22	0.07	8.34	119	1.5
CC143700		0.006	0.13	1.11	20	0.06	9.80	87	1.2
CC143701		0.007	0.14	0.78	23	0.07	7.75	98	1.0
CC143702		0.008	0.15	1.01	24	0.10	9.34	98	1.1
CC143703		0.009	0.14	1.31	27	0.10	11.15	94	1.1
CC143704		0.006	0.21	1.74	18	0.07	7.32	98	1.0
CC143705		0.006	0.20	1.11	37	0.11	31.1	101	2.2
CC143706		0.007	0.75	2.06	18	0.07	7.54	123	0.9
CC143707		0.011	0.09	4.97	20	0.08	5.82	60	0.7
CC143708		0.010	0.21	1.29	26	0.11	11.80	86	1.2
CC143709		0.016	0.14	0.76	30	0.12	7.17	74	1.5
CC143710		<0.005	0.05	0.52	8	<0.05	0.48	11	0.9
CC143711		0.007	0.11	0.99	21	0.06	9.17	73	1.0
CC143712		0.007	0.13	1.04	18	0.06	6.71	98	1.1
CC143713		0.007	0.22	0.92	22	0.07	11.60	89	1.5



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143714		0.19	0.002	0.08	1.17	60.9	<0.2	<10	140	0.92	0.27	0.83	0.11	17.05	14.1	20
CC143715		0.11	0.007	0.11	1.25	59.2	<0.2	<10	160	0.91	0.21	1.39	0.26	19.65	9.7	18
CC143716		0.17	0.005	0.15	1.46	109.5	<0.2	<10	190	1.18	0.28	1.24	0.16	23.8	11.7	21
CC143717		0.16	0.002	0.04	1.05	27.1	<0.2	<10	130	0.65	0.26	0.19	0.19	15.40	10.3	16
CC143718		0.14	0.001	0.04	0.36	13.6	<0.2	<10	50	0.16	0.17	0.27	0.22	5.10	3.0	5
CC143719		0.21	0.003	0.03	1.21	115.0	<0.2	<10	140	0.72	0.19	0.53	0.23	26.5	9.9	21
CC143720		0.15	0.003	0.08	1.02	121.0	<0.2	10	150	0.85	0.30	5.90	0.83	39.0	13.4	13
CC143721		0.19	0.009	0.14	1.24	524	<0.2	10	230	0.81	0.15	6.46	8.37	36.6	6.0	12
CC143722		0.15	0.002	0.06	2.46	78.0	<0.2	<10	200	0.98	0.21	1.46	0.41	43.9	10.4	32
CC143723		0.16	0.001	0.04	2.52	114.0	<0.2	<10	220	0.98	0.26	0.48	0.42	40.9	9.7	31
CC143724		0.10	0.003	0.14	1.82	469	<0.2	<10	260	0.93	0.25	2.59	0.79	25.4	9.2	25
CC143725		0.11	0.001	0.05	2.29	62.0	<0.2	<10	250	0.92	0.20	3.43	0.37	38.4	7.9	24
CC143726		0.14	0.004	0.08	1.36	70.8	<0.2	<10	150	0.76	0.22	2.69	0.24	27.2	10.4	22
CC143727		0.16	0.002	0.05	1.54	228	<0.2	<10	190	0.80	0.21	1.75	0.57	24.5	10.9	20
CC143728		0.13	0.002	0.07	1.34	136.5	<0.2	10	210	0.71	0.16	4.73	0.88	32.9	6.4	14
CC143729		0.15	0.001	0.09	0.48	18.2	<0.2	<10	160	0.61	0.19	2.41	0.17	8.41	6.8	7
CC143730		0.14	0.002	0.06	0.71	19.1	<0.2	<10	170	0.61	0.21	1.12	0.10	9.62	7.4	12
CC143731		0.24	0.004	0.07	0.75	25.1	<0.2	<10	140	0.65	0.21	2.50	0.15	13.15	9.0	14
CC143732		0.17	0.003	0.11	0.71	26.1	<0.2	<10	160	0.66	0.21	2.24	0.22	11.15	8.6	11
CC143733		0.08	0.003	0.16	0.77	13.2	<0.2	10	220	0.50	0.16	3.95	0.47	8.70	5.9	9
CC143734		0.18	0.002	0.04	1.27	28.3	<0.2	<10	240	0.76	0.22	0.46	0.15	21.5	11.1	21
CC143735		0.15	0.004	0.07	0.81	25.8	<0.2	<10	180	0.57	0.19	3.78	0.23	13.20	9.2	13
CC143736		0.19	0.004	0.05	0.95	176.0	<0.2	<10	160	0.82	0.24	3.43	0.59	20.1	12.4	13
CC143737		0.14	0.008	0.12	0.86	249	<0.2	<10	260	0.78	0.20	2.63	0.52	12.50	10.6	13
CC143738		0.16	0.009	0.01	0.88	13.3	<0.2	<10	180	0.23	0.15	0.13	0.15	9.63	4.8	12
CC143739		0.15	0.014	0.09	0.68	23.5	<0.2	<10	270	0.57	0.16	3.24	0.22	10.25	9.0	12
CC143740		0.14	0.003	0.04	1.05	35.0	<0.2	<10	160	0.79	0.24	0.52	0.10	20.2	12.7	18
CC143741		0.07	0.004	0.13	0.75	33.3	<0.2	<10	180	0.45	0.14	3.24	0.20	10.70	6.0	11
CC143742		0.13	0.005	0.06	1.64	37.1	<0.2	<10	180	0.91	0.22	2.74	0.17	23.3	9.8	22
CC143743		0.19	0.003	0.03	1.75	46.9	<0.2	<10	170	0.95	0.23	1.16	0.20	29.1	10.6	24
CC143744		0.19	0.001	0.05	1.45	70.8	<0.2	<10	220	0.93	0.23	0.86	0.13	26.4	11.5	21
CC143745		0.10	0.002	0.04	1.30	36.8	<0.2	<10	240	0.64	0.17	0.36	0.20	24.8	7.7	20
CC143746		0.19	0.011	0.11	1.06	117.5	<0.2	<10	130	0.91	0.28	4.39	0.58	19.85	11.8	16
CC143100		0.15	0.005	0.17	0.95	18.9	<0.2	<10	260	0.74	0.20	1.83	0.66	14.30	7.8	16
CC143101		0.24	0.005	0.14	1.15	33.9	<0.2	<10	290	1.03	0.35	1.36	0.41	18.35	12.0	21
CC143102		0.16	0.004	0.12	1.30	38.6	<0.2	<10	220	1.43	0.35	1.91	0.28	22.2	12.8	20
CC143103		0.16	0.006	0.13	1.02	23.0	<0.2	10	320	0.80	0.24	2.32	0.42	12.70	8.3	16
CC143104		0.26	0.002	0.13	0.95	35.3	<0.2	<10	240	0.98	0.32	2.48	0.46	15.65	13.5	19
CC143105		0.19	0.013	0.12	1.09	35.4	<0.2	<10	220	1.03	0.32	1.93	0.28	17.95	13.7	18
CC143106		0.13	0.005	0.15	0.93	21.0	<0.2	10	400	0.78	0.22	2.43	0.55	12.20	8.6	15

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



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	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143714	0.83	37.3	3.72	4.31	<0.05	0.08	0.66	0.031	0.07	7.4	17.3	0.55	663	0.66	<0.01
CC143715	2.09	19.0	3.22	3.17	<0.05	0.06	0.21	0.026	0.08	12.2	13.5	0.43	812	0.70	0.01
CC143716	2.09	25.3	4.21	4.02	0.05	0.07	0.59	0.035	0.09	14.6	14.9	0.63	1040	0.70	0.01
CC143717	9.32	9.4	3.20	2.99	<0.05	0.04	0.10	0.030	0.09	5.4	15.3	0.19	690	0.58	<0.01
CC143718	6.86	8.5	1.58	1.89	<0.05	<0.02	0.04	0.010	0.06	2.7	1.4	0.04	95	0.59	<0.01
CC143719	1.28	10.9	3.25	3.66	<0.05	0.06	0.05	0.024	0.07	10.1	18.8	0.42	765	0.68	<0.01
CC143720	1.39	19.4	4.46	3.06	0.17	0.17	0.36	0.024	0.11	19.9	8.1	3.00	1740	0.47	0.01
CC143721	0.67	11.7	9.03	4.65	0.25	0.09	3.43	0.046	0.06	19.1	4.8	2.30	4680	0.77	0.01
CC143722	0.87	11.0	7.31	6.49	0.07	0.10	0.20	0.036	0.05	24.7	16.5	1.22	4430	0.96	0.01
CC143723	1.09	6.5	6.67	6.64	0.05	0.11	0.12	0.039	0.05	19.2	15.9	0.59	3770	0.80	0.01
CC143724	1.13	18.8	4.32	4.74	0.05	0.06	0.26	0.034	0.06	15.9	18.8	1.22	2280	0.71	0.01
CC143725	0.74	5.7	6.93	5.73	0.06	0.09	0.14	0.032	0.04	20.3	13.4	2.27	3910	0.62	0.01
CC143726	0.46	15.2	4.00	4.03	<0.05	0.07	0.57	0.027	0.06	13.4	12.9	1.79	1380	0.77	0.01
CC143727	0.58	15.5	4.50	4.14	<0.05	0.06	0.61	0.034	0.06	10.1	11.9	1.11	2140	0.71	0.01
CC143728	0.64	9.6	5.42	3.51	<0.05	0.06	0.16	0.025	0.05	17.2	8.6	2.86	4180	0.61	0.01
CC143729	1.05	18.7	2.27	1.33	<0.05	0.04	0.20	0.021	0.05	3.7	4.3	0.30	386	0.44	0.01
CC143730	0.61	17.8	2.56	2.04	<0.05	0.03	0.18	0.022	0.05	4.7	10.0	0.22	344	0.55	0.01
CC143731	0.79	22.7	2.84	2.19	<0.05	0.05	0.42	0.024	0.06	5.4	10.5	0.80	629	0.51	0.01
CC143732	1.01	22.9	2.70	1.97	<0.05	0.05	0.40	0.025	0.07	4.9	8.4	0.43	461	0.56	0.01
CC143733	0.80	24.5	1.79	1.84	<0.05	0.03	0.19	0.017	0.05	4.9	5.7	0.32	513	0.45	0.01
CC143734	0.54	16.5	3.44	3.54	<0.05	0.06	0.22	0.025	0.07	8.7	14.0	0.40	761	0.66	0.01
CC143735	0.65	24.5	2.72	2.37	<0.05	0.03	0.35	0.021	0.06	5.8	9.7	1.27	745	0.52	0.01
CC143736	1.22	22.5	2.82	2.99	<0.05	0.06	4.24	0.023	0.07	9.1	10.8	1.56	926	0.77	0.01
CC143737	1.10	25.2	2.48	2.51	<0.05	0.05	0.54	0.021	0.06	5.7	8.8	0.36	725	0.67	<0.01
CC143738	0.70	5.4	2.09	3.33	<0.05	0.02	0.03	0.016	0.06	4.6	9.9	0.14	240	1.02	<0.01
CC143739	0.85	34.8	2.36	2.09	<0.05	0.03	1.18	0.017	0.06	4.5	8.9	0.69	819	0.64	0.01
CC143740	0.63	33.8	3.45	3.31	<0.05	0.05	0.89	0.032	0.07	8.2	12.1	0.33	967	0.56	<0.01
CC143741	0.71	18.0	1.75	2.18	<0.05	0.05	0.30	0.017	0.05	5.8	6.8	0.43	537	0.44	0.01
CC143742	0.63	15.0	3.43	4.65	<0.05	0.09	0.15	0.033	0.07	11.6	16.7	1.66	1020	0.61	0.01
CC143743	0.66	10.8	3.77	4.87	<0.05	0.07	0.21	0.033	0.06	14.0	15.3	0.81	1430	0.66	0.01
CC143744	0.61	17.3	3.26	4.36	<0.05	0.06	0.44	0.027	0.07	11.6	12.7	0.42	1040	0.62	<0.01
CC143745	0.55	8.4	3.00	4.08	<0.05	0.05	0.07	0.025	0.07	9.0	11.3	0.28	1040	0.92	<0.01
CC143746	0.61	29.1	3.58	3.20	<0.05	0.08	1.88	0.032	0.06	8.4	10.8	2.11	1400	0.58	0.01
CC143100	1.42	30.1	2.40	2.62	<0.05	0.05	0.34	0.024	0.07	7.3	11.6	0.41	684	0.56	0.01
CC143101	1.11	36.7	3.40	3.87	<0.05	0.06	0.46	0.035	0.10	8.6	16.1	0.72	560	0.87	0.01
CC143102	0.55	36.4	3.67	3.73	<0.05	0.09	0.49	0.037	0.12	10.8	16.6	0.91	572	0.99	0.01
CC143103	0.78	30.1	2.58	2.99	<0.05	0.05	0.32	0.028	0.09	6.3	13.1	0.41	495	0.67	0.01
CC143104	1.36	33.1	3.21	3.28	<0.05	0.06	0.48	0.029	0.10	7.1	14.3	1.21	759	1.24	<0.01
CC143105	0.88	30.5	3.37	3.58	<0.05	0.08	0.72	0.028	0.08	7.7	14.8	1.12	730	0.99	0.01
CC143106	0.82	40.3	2.40	2.79	<0.05	0.06	0.32	0.023	0.08	6.1	12.2	0.38	541	0.70	0.01



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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units LOR	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143714		0.78	26.8	240	25.5	6.9	<0.001	0.03	0.83	6.5	0.7	0.5	18.4	<0.01	0.03	4.2
CC143715		0.57	23.3	410	17.3	10.0	<0.001	0.05	0.82	4.6	0.9	0.4	29.0	<0.01	0.03	2.2
CC143716		0.58	26.4	280	30.5	10.4	0.001	0.03	1.19	7.3	1.2	0.6	29.4	<0.01	0.04	3.9
CC143717		0.52	17.9	230	17.5	25.4	<0.001	0.02	0.41	3.2	0.2	0.5	12.2	0.01	0.02	2.4
CC143718		0.33	8.2	400	4.9	12.1	<0.001	0.05	0.24	1.2	0.2	0.3	16.0	<0.01	0.02	0.7
CC143719		0.66	18.7	120	17.9	8.9	<0.001	0.01	0.87	3.8	0.7	0.5	16.5	<0.01	0.02	4.3
CC143720		0.42	22.1	750	29.4	7.5	<0.001	0.06	2.06	5.4	1.3	0.4	32.6	0.01	0.10	3.4
CC143721		0.68	11.9	1240	18.7	7.2	0.001	0.10	4.17	4.7	2.0	0.5	45.7	0.02	0.07	1.1
CC143722		1.05	25.2	440	20.7	9.2	<0.001	0.03	1.24	6.3	0.7	0.7	11.7	<0.01	0.03	4.2
CC143723		0.98	20.3	320	24.5	11.8	<0.001	0.03	0.86	5.4	1.1	0.7	9.2	<0.01	0.05	4.6
CC143724		0.75	22.5	590	27.0	10.3	<0.001	0.05	1.36	3.9	1.3	0.6	38.0	<0.01	0.05	2.1
CC143725		0.74	14.6	600	22.2	6.7	<0.001	0.04	0.84	4.8	0.7	0.6	12.0	0.01	0.05	3.0
CC143726		0.71	20.7	260	23.9	7.0	<0.001	0.02	0.98	5.7	0.9	0.4	16.2	<0.01	0.02	4.8
CC143727		0.66	18.5	280	25.2	8.8	0.001	0.02	1.44	4.5	0.5	0.5	13.0	<0.01	0.04	3.8
CC143728		0.45	12.3	710	22.6	6.5	<0.001	0.05	1.70	3.1	0.7	0.4	21.0	<0.01	0.03	1.6
CC143729		0.22	19.1	470	15.5	5.6	<0.001	0.08	0.44	2.5	0.9	0.3	87.1	<0.01	<0.01	0.8
CC143730		0.36	17.7	290	17.1	4.7	<0.001	0.04	0.49	2.7	0.9	0.4	46.2	<0.01	0.01	1.4
CC143731		0.43	19.4	420	19.7	5.3	<0.001	0.04	0.50	3.9	0.9	0.4	59.8	<0.01	0.01	2.7
CC143732		0.34	19.5	530	21.6	7.8	0.001	0.09	0.60	3.2	2.0	0.3	76.1	<0.01	<0.01	1.5
CC143733		0.35	16.1	790	12.6	6.9	<0.001	0.14	0.50	1.2	1.4	0.3	96.1	<0.01	<0.01	0.4
CC143734		0.71	20.4	140	22.6	6.8	<0.001	0.02	0.62	4.9	0.9	0.5	15.8	<0.01	0.03	4.4
CC143735		0.43	17.8	550	18.5	5.5	<0.001	0.08	0.63	2.6	0.7	0.3	58.1	<0.01	0.01	0.9
CC143736		0.45	19.9	460	24.4	6.3	<0.001	0.04	1.25	4.3	0.9	0.4	31.8	<0.01	0.04	2.6
CC143737		0.33	20.8	700	18.7	6.7	<0.001	0.08	1.15	2.4	1.1	0.4	55.8	<0.01	0.03	0.9
CC143738		0.52	8.9	110	12.3	8.0	<0.001	0.01	0.27	1.5	0.2	0.4	7.8	<0.01	0.02	1.9
CC143739		0.43	17.2	560	17.5	5.6	0.001	0.08	0.58	2.3	1.2	0.3	83.5	<0.01	<0.01	0.9
CC143740		0.59	21.1	140	27.5	6.3	<0.001	0.02	0.50	5.9	0.8	0.4	15.1	<0.01	<0.01	4.6
CC143741		0.41	12.7	820	11.3	6.9	<0.001	0.12	0.67	1.7	0.8	0.3	45.2	<0.01	0.01	0.6
CC143742		0.61	21.0	310	22.9	9.1	<0.001	0.03	0.54	5.6	1.0	0.6	19.8	<0.01	0.01	3.5
CC143743		0.75	21.3	190	22.4	8.4	<0.001	0.02	0.65	5.7	0.9	0.6	11.1	<0.01	0.04	4.6
CC143744		0.74	21.8	150	24.0	8.1	<0.001	0.02	1.18	5.8	0.7	0.6	19.5	<0.01	0.03	4.2
CC143745		0.77	15.6	210	19.9	10.1	<0.001	0.02	0.58	3.1	0.3	0.5	10.0	<0.01	0.01	3.0
CC143746		0.55	23.0	550	33.7	7.6	0.001	0.04	1.35	5.0	1.1	0.4	37.3	<0.01	0.05	2.6
CC143100		0.43	19.1	1040	15.9	12.6	0.002	0.11	0.54	2.2	1.4	0.3	63.9	<0.01	0.05	0.8
CC143101		0.53	31.8	620	23.4	9.4	0.001	0.03	0.68	5.0	1.1	0.5	30.0	<0.01	0.04	3.2
CC143102		0.44	33.8	620	29.6	7.9	0.001	0.04	0.67	6.3	0.8	0.5	34.4	<0.01	0.03	4.3
CC143103		0.47	19.8	720	17.3	12.1	0.003	0.12	0.63	2.5	1.9	0.4	85.3	<0.01	0.03	1.0
CC143104		0.37	32.8	600	24.6	10.6	0.003	0.04	0.74	4.3	1.1	0.5	40.5	<0.01	0.07	2.3
CC143105		0.46	32.5	300	24.8	8.3	0.001	0.02	0.77	5.3	1.2	0.5	27.4	<0.01	0.04	3.8
CC143106		0.44	19.8	680	16.7	10.8	0.002	0.11	0.69	2.5	1.7	0.4	91.7	<0.01	0.04	0.9

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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143714		0.009	0.16	0.52	24	0.07	9.80	95	2.2
CC143715		0.008	0.16	1.10	27	0.10	14.95	71	1.8
CC143716		0.009	0.26	1.22	32	0.11	18.70	93	2.2
CC143717		0.009	0.14	0.65	26	0.07	2.79	109	1.3
CC143718		0.009	0.05	0.20	22	0.05	0.84	49	<0.5
CC143719		0.013	0.21	0.81	33	0.09	4.68	82	1.9
CC143720		0.006	0.72	1.02	22	0.31	20.4	210	4.2
CC143721		0.017	1.59	2.05	28	0.24	22.6	4390	2.3
CC143722		0.024	0.40	1.30	61	0.18	21.0	172	3.5
CC143723		0.026	0.41	0.83	62	0.15	13.30	134	2.9
CC143724		0.018	0.52	1.30	44	0.12	12.25	107	1.4
CC143725		0.013	0.29	1.52	51	0.15	22.0	109	2.3
CC143726		0.013	0.26	0.90	36	0.12	12.75	86	2.6
CC143727		0.011	1.01	0.74	36	0.10	9.22	153	2.0
CC143728		0.010	0.19	1.16	29	0.09	13.75	183	1.9
CC143729		<0.005	0.08	1.35	10	<0.05	6.97	74	1.1
CC143730		0.007	0.05	0.97	16	0.06	5.76	57	0.8
CC143731		0.008	0.09	0.60	16	0.05	7.48	88	1.3
CC143732		0.005	0.12	1.85	15	0.06	7.12	106	1.4
CC143733		0.006	0.07	2.87	14	<0.05	6.76	155	1.2
CC143734		0.014	0.10	0.65	30	0.08	7.18	93	2.0
CC143735		0.006	0.11	1.04	18	0.05	7.80	73	0.9
CC143736		0.006	0.29	0.61	22	0.07	8.84	170	2.0
CC143737		<0.005	0.18	1.88	19	0.05	8.12	75	1.3
CC143738		0.007	0.11	0.21	30	0.07	1.12	60	0.9
CC143739		0.007	0.10	2.23	15	0.05	6.75	72	1.0
CC143740		0.008	0.10	0.58	24	0.06	9.64	67	2.3
CC143741		0.008	0.08	1.71	17	0.06	6.65	37	1.1
CC143742		0.007	0.16	0.63	37	0.10	11.45	82	2.0
CC143743		0.010	0.18	0.64	40	0.23	11.00	79	2.5
CC143744		0.011	0.34	0.55	32	0.11	10.85	52	2.4
CC143745		0.015	0.19	0.36	37	0.11	4.69	71	1.4
CC143746		0.006	0.38	0.89	24	0.11	13.00	298	2.0
CC143100		0.009	0.09	3.27	24	0.08	8.99	148	1.2
CC143101		0.008	0.17	0.93	29	0.06	11.15	136	1.6
CC143102		<0.005	0.18	1.09	29	0.06	17.10	115	2.6
CC143103		0.006	0.10	2.34	24	0.06	7.93	124	1.6
CC143104		0.006	0.16	0.84	26	0.07	9.83	132	1.5
CC143105		0.005	0.16	1.34	27	0.06	10.70	109	2.2
CC143106		0.006	0.12	2.00	23	0.07	8.40	107	1.5



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
CC143107		0.25	0.003	0.17	1.00	63.3	<0.2	<10	310	1.01	0.32	2.20	0.57	14.65	12.8	17
CC143108		0.14	NSS	0.15	0.72	14.0	<0.2	10	440	0.65	0.16	3.92	1.14	8.13	5.5	9
CC143109		0.24	<0.001	0.09	1.38	26.1	<0.2	<10	320	1.22	0.35	0.57	0.41	22.0	13.0	23
CC143110		0.22	0.008	0.11	0.84	23.5	<0.2	<10	220	0.77	0.25	3.37	0.53	10.90	11.1	14
CC143111		0.20	0.006	0.10	1.31	25.4	<0.2	<10	300	0.93	0.31	1.15	0.21	18.30	11.0	21
CC143112		0.17	0.001	0.07	0.51	12.1	<0.2	<10	70	0.19	0.27	0.50	0.25	14.60	5.2	12
CC143113		0.20	0.001	0.15	1.21	15.6	<0.2	<10	210	1.20	0.42	0.58	0.25	17.45	11.9	18
CC143114		0.21	0.001	0.09	1.43	24.6	<0.2	<10	140	0.65	0.31	0.21	0.09	19.25	10.4	25
CC143115		0.17	0.003	0.10	1.28	33.5	<0.2	<10	90	0.74	0.32	0.11	0.10	16.70	8.9	22
CC143116		0.19	0.002	0.05	1.19	29.4	<0.2	<10	210	0.74	0.30	0.71	0.40	20.4	10.4	21
CC143117		0.22	0.008	0.19	0.77	43.5	<0.2	<10	140	0.78	0.27	3.32	0.29	18.80	9.9	15
CC143118		0.16	0.011	0.13	0.89	44.0	<0.2	<10	220	0.93	0.28	1.87	0.57	20.6	12.2	15
CC143119		0.24	0.002	0.09	1.12	56.1	<0.2	<10	170	1.00	0.32	1.50	0.44	28.6	12.5	19
CC143120		0.20	0.009	0.05	1.00	37.5	<0.2	<10	240	1.22	0.34	1.30	0.18	26.2	14.1	16
CC143121		0.13	0.003	0.14	0.82	35.3	<0.2	<10	190	0.76	0.29	2.67	0.37	14.50	12.2	15
CC143122		0.13	0.003	0.24	1.11	20.8	<0.2	<10	440	0.68	0.22	3.12	1.76	15.20	7.3	16
CC143123		0.14	0.003	0.07	1.11	43.7	<0.2	<10	180	0.88	0.30	1.27	0.34	24.2	10.7	17
CC143124		0.12	0.002	0.06	1.50	37.3	<0.2	10	270	0.97	0.27	2.18	0.50	30.7	8.9	18
CC143125		0.17	0.002	0.06	1.32	48.5	<0.2	<10	160	0.81	0.28	3.00	0.28	29.9	9.9	20
CC143126		0.20	0.008	0.11	1.10	44.2	<0.2	<10	140	0.95	0.29	3.42	0.37	15.45	10.3	17
CC143127		0.13	0.002	0.05	1.17	18.4	<0.2	<10	100	0.71	0.24	0.86	0.41	26.9	7.2	18
CC143128		0.15	0.002	0.08	1.67	18.3	<0.2	<10	290	0.97	0.31	0.79	0.74	27.3	11.1	23
CC143129		0.12	0.002	0.07	0.85	13.7	<0.2	<10	230	0.47	0.17	1.78	0.22	16.55	3.5	7
CC143130		0.16	0.002	0.04	0.62	27.0	<0.2	<10	70	0.39	0.44	0.07	0.07	13.55	7.1	14
CC143131		0.12	0.004	0.12	0.48	12.1	<0.2	10	280	0.52	0.16	4.29	0.59	10.60	6.1	7
CC143132		0.19	0.002	0.08	1.20	42.1	<0.2	<10	220	0.96	0.28	0.63	0.47	22.6	10.5	19
CC143133		0.17	0.003	0.03	1.25	381	<0.2	<10	80	0.91	0.34	0.21	0.40	23.9	12.6	20
CC143134		0.16	0.010	0.16	0.98	147.0	<0.2	<10	280	0.87	0.25	3.03	0.92	16.10	8.5	15
CC143135		0.14	0.002	0.07	1.25	103.0	<0.2	<10	210	0.99	0.23	4.27	2.37	25.2	9.6	16
CC143136		0.15	0.002	0.06	1.15	73.2	<0.2	<10	190	1.05	0.28	0.61	0.37	27.0	12.3	20
CC143137		0.19	0.002	0.09	1.28	63.7	<0.2	<10	180	0.98	0.29	1.75	0.43	31.6	11.7	21
CC143138		0.14	0.002	0.14	1.12	23.1	<0.2	<10	260	0.83	0.21	1.67	1.45	21.3	8.5	16
CC143139		0.17	0.001	0.06	1.03	139.0	<0.2	<10	150	0.77	0.24	0.31	0.32	25.2	8.7	18
CC143140		0.13	0.002	0.06	0.54	183.0	<0.2	<10	120	0.37	0.16	1.09	0.37	17.45	5.5	8
CC143141		0.19	0.001	0.19	1.40	110.0	<0.2	<10	250	1.01	0.30	1.05	0.75	30.5	12.6	20
CC143142		0.15	0.001	0.06	1.32	37.1	<0.2	<10	210	0.89	0.26	0.44	0.37	25.1	10.4	23
CC143143		0.15	0.002	0.19	1.01	712	<0.2	<10	180	0.69	0.26	1.78	0.74	14.90	7.0	16
CC143144		0.08	0.006	0.23	0.82	336	<0.2	<10	220	1.50	0.16	2.96	0.84	15.90	6.4	12
CC143145		0.13	0.001	0.05	1.27	54.3	<0.2	<10	200	0.58	0.21	2.39	0.32	25.0	8.1	20
CC143146		0.15	0.004	0.16	1.27	47.1	<0.2	<10	420	0.99	0.22	1.99	0.35	25.4	12.2	19

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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143107		1.05	30.9	3.03	3.16	<0.05	0.05	0.44	0.028	0.10	6.9	13.1	0.77	720	1.11	<0.01
CC143108		0.68	31.5	1.45	1.90	<0.05	0.03	0.20	0.013	0.05	4.3	5.8	0.34	360	0.50	0.01
CC143109		0.85	29.5	3.43	4.53	<0.05	0.07	0.25	0.034	0.12	12.9	20.2	0.34	719	0.98	<0.01
CC143110		0.91	27.9	2.59	2.58	<0.05	0.04	0.36	0.022	0.10	4.6	10.7	1.00	606	1.10	0.01
CC143111		0.79	25.7	3.15	4.24	<0.05	0.06	0.21	0.027	0.09	8.2	21.9	0.36	612	0.70	0.01
CC143112		0.33	12.1	1.94	3.08	<0.05	<0.02	0.03	0.018	0.27	6.7	4.4	0.12	289	0.49	<0.01
CC143113		1.12	34.9	2.80	4.22	<0.05	0.04	0.05	0.028	0.19	7.1	21.5	0.31	1100	0.53	0.01
CC143114		1.08	16.8	3.21	4.75	<0.05	0.04	0.12	0.025	0.06	8.7	24.9	0.41	353	1.00	<0.01
CC143115		1.16	31.1	3.56	4.53	<0.05	0.03	0.40	0.034	0.06	7.5	26.1	0.28	261	1.02	<0.01
CC143116		0.57	20.0	2.92	3.84	<0.05	0.05	0.25	0.030	0.08	9.0	13.3	0.34	727	0.79	<0.01
CC143117		0.72	28.5	3.11	2.55	<0.05	0.07	2.52	0.026	0.06	10.4	9.9	1.77	722	1.07	<0.01
CC143118		1.05	26.7	3.01	2.99	<0.05	0.05	0.42	0.028	0.08	8.2	11.4	0.55	745	1.03	<0.01
CC143119		0.77	25.7	3.89	3.25	<0.05	0.04	0.44	0.035	0.09	12.0	11.8	0.76	1270	1.57	<0.01
CC143120		1.31	33.2	3.41	3.07	0.05	0.06	0.37	0.030	0.11	14.3	10.6	0.51	835	0.87	<0.01
CC143121		1.57	30.9	2.80	2.73	<0.05	0.05	0.51	0.024	0.09	6.6	10.0	0.94	652	0.84	0.01
CC143122		0.78	30.1	2.34	3.06	<0.05	0.03	0.31	0.021	0.05	8.2	11.2	0.42	780	0.52	0.01
CC143123		1.29	21.0	3.29	3.44	<0.05	0.06	0.32	0.027	0.08	11.8	9.9	0.65	1320	0.75	<0.01
CC143124		0.65	11.5	5.02	4.51	<0.05	0.06	0.16	0.030	0.11	14.8	10.3	1.08	3480	0.93	0.01
CC143125		0.72	15.9	4.19	3.71	<0.05	0.07	0.26	0.026	0.07	13.2	11.4	1.55	1900	0.94	0.01
CC143126		0.46	27.8	3.31	3.32	<0.05	0.06	0.28	0.030	0.08	8.0	9.7	1.57	1010	0.87	0.01
CC143127		0.92	8.5	2.54	3.62	<0.05	0.04	0.17	0.025	0.04	9.3	7.0	0.29	622	0.60	<0.01
CC143128		1.26	19.6	3.11	5.07	<0.05	0.04	0.05	0.033	0.09	11.2	10.0	0.24	1360	0.52	0.01
CC143129		0.57	10.2	1.31	2.01	<0.05	0.04	0.04	0.017	0.05	6.5	4.6	0.08	915	0.35	<0.01
CC143130		1.76	20.0	3.19	3.03	<0.05	0.03	0.10	0.024	0.07	6.3	6.0	0.13	150	1.05	<0.01
CC143131		1.02	26.3	1.36	1.39	<0.05	0.03	0.15	0.018	0.04	4.9	4.7	0.35	611	0.38	0.01
CC143132		0.73	22.2	3.20	3.97	<0.05	0.06	0.28	0.035	0.08	9.8	11.6	0.27	775	0.90	<0.01
CC143133		4.93	20.9	3.64	3.56	<0.05	0.04	0.21	0.035	0.07	8.1	10.0	0.16	524	0.96	<0.01
CC143134		1.16	28.2	2.75	2.81	<0.05	0.05	0.38	0.029	0.07	8.6	8.4	0.63	821	0.63	0.01
CC143135		1.87	18.0	4.37	3.52	0.06	0.08	0.21	0.035	0.08	12.2	10.9	2.22	2180	1.01	0.01
CC143136		0.78	24.2	3.95	3.92	0.07	0.08	0.23	0.038	0.10	12.3	11.8	0.43	1180	1.07	<0.01
CC143137		0.83	20.3	4.16	3.96	0.08	0.09	0.26	0.039	0.11	15.9	12.9	1.00	1440	0.88	<0.01
CC143138		1.00	17.1	2.82	3.51	<0.05	0.05	0.08	0.031	0.07	9.1	9.3	0.35	1660	0.59	0.01
CC143139		0.83	16.5	3.21	3.33	0.05	0.07	0.80	0.030	0.07	9.7	8.6	0.28	740	0.90	<0.01
CC143140		0.82	12.9	1.71	1.72	<0.05	0.05	0.13	0.023	0.08	7.3	3.5	0.10	486	0.41	<0.01
CC143141		1.05	23.2	3.94	4.41	0.06	0.07	0.16	0.042	0.09	12.1	12.3	0.46	1600	1.12	0.01
CC143142		0.69	17.4	3.56	4.14	0.05	0.07	0.12	0.039	0.10	9.9	12.0	0.33	886	1.15	<0.01
CC143143		16.40	25.7	2.72	2.85	<0.05	0.06	0.57	0.030	0.08	7.8	8.8	0.32	361	0.69	0.01
CC143144		4.67	21.2	2.07	2.53	<0.05	0.05	0.22	0.024	0.05	8.4	20.8	0.31	914	0.54	0.01
CC143145		1.19	11.9	3.12	3.95	<0.05	0.07	0.07	0.029	0.06	8.8	11.2	1.44	990	0.88	0.01
CC143146		0.48	25.5	4.18	3.68	0.07	0.08	0.36	0.038	0.05	14.5	12.0	0.85	1120	1.86	0.01

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





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To: STRATEGIC METALS LTD.  
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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143107		0.44	32.3	560	22.0	8.5	0.001	0.05	0.82	4.5	0.9	0.4	45.5	<0.01	0.03	2.1
CC143108		0.32	19.3	770	9.1	6.5	0.002	0.13	0.62	1.0	1.3	0.3	85.3	<0.01	0.02	0.3
CC143109		0.64	32.7	240	22.6	12.3	0.001	0.02	0.57	6.0	0.7	0.6	22.8	<0.01	0.02	4.1
CC143110		0.41	29.1	630	17.7	8.0	0.002	0.08	0.81	2.5	1.0	0.4	61.4	<0.01	0.04	0.9
CC143111		0.68	26.6	350	20.4	10.9	0.001	0.04	0.55	4.3	1.0	0.5	42.9	<0.01	0.04	2.8
CC143112		0.62	8.9	280	11.8	16.2	0.001	0.02	0.32	1.5	<0.2	0.5	27.9	<0.01	0.04	2.1
CC143113		0.52	20.6	320	21.3	19.1	0.002	0.03	0.39	3.9	0.3	0.5	48.9	<0.01	0.04	3.0
CC143114		0.81	24.5	180	18.1	10.5	0.002	0.01	0.50	3.0	0.4	0.6	15.0	<0.01	0.04	3.7
CC143115		0.67	24.1	260	20.3	10.4	0.001	0.02	0.59	3.4	0.5	0.5	9.8	<0.01	0.02	3.2
CC143116		0.68	21.9	470	20.6	9.0	0.001	0.03	0.57	3.6	0.7	0.5	23.3	<0.01	0.05	1.8
CC143117		0.42	23.4	550	29.9	6.2	0.002	0.03	0.78	5.4	0.6	0.4	31.2	<0.01	0.06	3.4
CC143118		0.46	25.8	450	24.5	10.5	0.001	0.05	0.79	4.1	1.3	0.4	47.2	<0.01	0.04	2.0
CC143119		0.50	27.2	380	42.1	12.5	0.001	0.03	0.88	6.4	1.5	0.5	25.3	<0.01	0.05	3.4
CC143120		0.44	28.6	220	27.2	11.0	0.001	0.02	0.68	6.0	1.2	0.4	31.7	<0.01	0.03	3.8
CC143121		0.44	26.5	640	22.6	9.5	0.001	0.06	0.72	3.6	0.7	0.4	48.5	<0.01	0.05	1.7
CC143122		0.67	20.4	690	14.5	7.5	0.001	0.09	0.86	1.8	0.5	0.4	77.8	<0.01	0.05	0.4
CC143123		0.59	21.1	330	29.1	11.9	0.001	0.03	0.68	4.8	0.6	0.5	18.8	<0.01	0.05	3.1
CC143124		0.80	18.5	390	23.8	12.1	0.001	0.04	0.60	4.0	0.5	0.5	18.8	<0.01	0.06	2.9
CC143125		0.76	22.0	360	25.5	9.9	0.001	0.03	0.87	4.3	0.9	0.5	24.7	<0.01	0.07	3.8
CC143126		0.38	23.8	540	24.3	9.2	0.001	0.04	0.68	3.9	1.2	0.5	44.8	<0.01	0.04	1.8
CC143127		0.71	16.0	250	25.6	6.2	0.001	0.02	0.52	2.9	0.2	0.5	38.7	<0.01	0.05	2.4
CC143128		0.84	23.7	340	27.8	14.5	0.001	0.02	0.45	4.3	0.9	0.6	43.6	<0.01	0.02	2.7
CC143129		0.34	9.8	320	15.9	4.8	0.001	0.05	0.23	1.9	0.5	0.3	64.6	<0.01	0.03	1.4
CC143130		0.88	21.4	160	29.5	14.5	0.001	0.01	0.62	2.3	0.4	0.5	11.3	<0.01	0.05	3.5
CC143131		0.24	17.9	700	11.2	6.8	0.002	0.13	0.49	1.2	0.5	0.2	150.0	<0.01	0.04	0.4
CC143132		0.63	24.5	200	24.4	10.1	0.001	0.02	0.63	5.0	0.8	0.5	23.4	<0.01	0.04	3.3
CC143133		0.50	22.7	230	34.6	15.2	0.001	0.02	0.67	4.1	0.4	0.5	15.8	<0.01	0.04	3.7
CC143134		0.42	23.3	750	22.5	10.4	0.001	0.09	1.12	2.4	1.6	0.4	56.3	<0.01	0.04	0.8
CC143135		0.45	20.6	710	27.0	10.4	<0.001	0.05	1.37	4.0	0.8	0.5	34.1	0.01	0.07	1.9
CC143136		0.50	26.0	160	29.7	9.4	<0.001	0.01	0.97	6.4	0.8	0.5	14.8	0.01	0.05	5.7
CC143137		0.68	26.6	280	26.7	9.6	<0.001	0.02	1.18	6.6	0.8	0.5	18.3	0.01	0.07	5.7
CC143138		0.64	17.4	500	18.1	12.6	<0.001	0.06	0.49	2.9	0.7	0.4	47.2	<0.01	0.04	1.3
CC143139		0.55	20.3	170	32.3	7.8	<0.001	0.01	1.55	4.4	0.6	0.5	13.2	<0.01	0.05	5.1
CC143140		0.32	12.4	360	19.6	6.6	<0.001	0.05	0.78	2.4	0.5	0.2	49.0	<0.01	0.02	1.7
CC143141		0.61	25.7	320	35.9	12.2	<0.001	0.03	1.28	5.4	0.9	0.6	25.2	0.01	0.05	4.0
CC143142		0.75	23.6	290	26.3	11.9	<0.001	0.03	0.84	4.7	0.7	0.5	13.7	<0.01	0.05	4.2
CC143143		0.49	23.3	890	21.4	23.9	<0.001	0.09	1.29	2.9	1.4	0.4	55.3	0.01	0.04	1.1
CC143144		0.41	19.1	990	19.3	10.1	<0.001	0.12	1.15	2.0	1.2	0.3	61.6	0.01	0.04	0.6
CC143145		0.75	18.3	450	26.1	10.3	<0.001	0.03	1.59	3.6	0.5	0.5	15.9	<0.01	0.04	3.5
CC143146		0.38	28.0	370	32.6	6.1	0.001	0.04	1.00	6.7	1.5	0.5	36.9	0.01	0.05	3.9



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143107		0.005	0.14	1.00	28	0.06	10.65	103	1.5
CC143108		<0.005	0.06	2.18	15	<0.05	6.81	53	0.9
CC143109		0.007	0.16	1.13	34	0.09	16.75	108	2.1
CC143110		<0.005	0.15	1.10	24	<0.05	7.35	96	1.2
CC143111		0.009	0.13	0.85	31	0.13	7.81	72	1.7
CC143112		0.015	0.05	0.32	28	0.07	1.51	42	<0.5
CC143113		0.008	0.11	1.08	28	0.06	7.28	50	1.3
CC143114		0.013	0.12	0.59	38	0.11	3.82	75	1.4
CC143115		0.007	0.16	0.58	34	0.09	4.65	85	1.3
CC143116		0.014	0.11	1.29	34	0.10	7.27	90	1.0
CC143117		0.007	0.17	0.93	29	0.08	16.75	105	1.8
CC143118		0.006	0.18	0.94	28	0.07	11.00	244	1.3
CC143119		0.006	0.21	0.98	41	0.09	17.60	116	1.4
CC143120		0.005	0.17	1.24	26	0.05	14.90	82	1.8
CC143121		0.007	0.15	1.06	24	0.06	8.64	109	1.4
CC143122		0.017	0.07	1.75	27	0.10	9.14	129	0.9
CC143123		0.009	0.18	0.69	30	0.09	11.85	93	1.7
CC143124		0.014	0.17	0.75	38	0.10	11.75	84	1.9
CC143125		0.011	0.24	0.97	35	0.11	13.55	104	2.0
CC143126		<0.005	0.13	0.83	26	0.07	10.80	113	1.3
CC143127		0.013	0.13	0.68	34	0.14	5.26	85	1.1
CC143128		0.015	0.14	0.76	43	0.11	7.23	164	1.2
CC143129		0.005	0.07	0.39	15	<0.05	4.59	18	1.6
CC143130		0.017	0.12	0.45	25	0.13	2.64	68	1.5
CC143131		<0.005	0.06	1.53	12	<0.05	8.23	39	1.2
CC143132		0.008	0.16	0.85	33	0.09	10.45	98	1.7
CC143133		<0.005	0.26	1.18	32	0.09	6.88	147	1.2
CC143134		0.006	0.13	2.21	25	0.08	11.60	199	1.2
CC143135		0.007	0.23	1.14	32	0.16	14.60	732	1.8
CC143136		0.008	0.22	0.74	33	0.10	15.30	117	2.6
CC143137		0.011	0.28	0.87	36	0.13	18.20	109	2.4
CC143138		0.015	0.16	0.99	30	0.09	7.23	158	1.3
CC143139		0.009	0.52	0.81	31	0.12	8.71	86	2.3
CC143140		0.008	0.18	0.57	15	0.08	5.21	57	1.7
CC143141		0.009	0.23	1.47	42	0.10	12.75	85	2.0
CC143142		0.013	0.17	1.13	40	0.12	9.51	117	1.8
CC143143		0.010	0.34	3.55	23	0.08	9.92	209	1.5
CC143144		0.010	0.17	3.77	24	0.12	10.35	91	1.3
CC143145		0.013	0.25	0.97	35	0.12	5.91	81	2.0
CC143146		<0.005	0.17	1.07	43	0.10	23.7	98	1.7



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	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units LOR	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143147		0.17	0.003	0.08	0.90	93.7	<0.2	<10	130	0.78	0.25	3.91	0.26	21.0	13.4	13
CC143148		0.23	0.004	0.06	0.24	76	<0.2	<10	40	0.42	0.19	13.95	3.44	13.30	8.6	3
CC143149		0.22	0.004	0.11	0.92	102.0	<0.2	<10	120	0.67	0.23	7.04	0.30	17.80	10.3	15
CC143150		0.18	0.004	0.09	0.88	135.0	<0.2	<10	100	1.02	0.27	2.25	0.22	15.75	14.3	16
CC143931		0.21	0.011	0.15	1.39	10.5	<0.2	<10	320	3.10	0.54	0.37	0.07	24.9	13.2	25
CC143932		0.09	0.005	0.15	1.03	23.2	<0.2	<10	290	1.13	0.28	1.75	0.33	14.65	10.6	18
CC143933		0.18	0.008	0.10	1.11	31.1	<0.2	<10	270	1.17	0.32	1.59	0.23	17.00	14.5	20
CC143934		0.16	0.002	0.05	0.81	18.6	<0.2	<10	140	0.97	0.33	0.33	0.09	19.40	13.9	17
CC143935		0.15	0.008	0.07	1.17	21.1	<0.2	<10	200	0.99	0.27	0.46	0.17	20.1	10.6	22
CC143936		0.19	0.002	0.06	0.77	13.9	<0.2	<10	110	0.86	0.34	0.12	0.10	20.6	14.9	15
CC143937		0.10	0.003	0.14	1.13	28.4	<0.2	<10	320	1.14	0.30	1.63	0.35	16.70	13.6	19
CC143938		0.20	0.002	0.10	1.01	33.2	<0.2	<10	230	1.02	0.33	0.91	0.25	22.4	14.4	19
CC143939		0.24	0.003	0.10	0.87	36.0	<0.2	<10	160	0.91	0.33	2.45	0.37	20.3	15.4	17
CC143940		0.15	0.005	0.11	1.08	34.7	<0.2	<10	300	1.04	0.31	1.18	0.38	19.55	14.3	21
CC143941		0.18	0.003	0.14	1.05	27.5	<0.2	<10	360	1.08	0.26	1.88	0.55	14.40	11.0	18
CC143942		0.16	0.004	0.11	0.95	29.2	<0.2	<10	230	1.05	0.30	1.51	0.36	18.80	13.9	18
CC143943		0.19	0.005	0.10	0.77	36.5	<0.2	<10	150	1.12	0.34	1.12	0.29	20.9	17.0	15
CC143944		0.22	0.002	0.15	0.96	30.5	<0.2	<10	250	1.16	0.29	2.10	0.52	17.75	14.4	17
CC143945		0.25	0.004	0.13	0.85	27.6	<0.2	<10	170	1.22	0.32	2.46	0.23	19.70	12.8	15
CC143946		0.17	0.002	0.08	1.12	20.7	<0.2	<10	150	1.40	0.36	0.42	0.10	20.1	13.0	19
CC143947		0.23	0.004	0.10	1.05	31.3	<0.2	<10	110	1.15	0.34	1.67	0.17	21.9	16.1	18
CC143948		0.26	0.003	0.08	1.23	26.1	<0.2	<10	110	1.34	0.39	0.49	0.08	20.0	17.8	23
CC143949		0.17	0.002	0.02	1.33	27.8	<0.2	<10	60	0.77	0.33	0.04	0.08	13.10	13.0	27
CC143950		0.16	0.002	0.13	0.75	38.5	<0.2	<10	180	0.87	0.25	2.71	0.52	15.75	10.8	13
CC143951		0.14	0.003	0.13	0.65	38.1	<0.2	<10	170	0.80	0.24	2.93	0.35	15.20	9.6	11
CC143952		0.24	0.003	0.15	1.23	35.7	<0.2	<10	240	0.89	0.30	1.75	0.27	24.4	10.0	23
CC143953		0.17	0.006	0.09	1.03	41.8	<0.2	<10	160	0.96	0.30	1.70	0.25	16.30	12.6	17
CC143954		0.17	0.004	0.18	0.97	29.9	<0.2	<10	260	0.87	0.27	1.74	0.33	16.20	10.5	15
CC143955		0.19	0.002	0.09	1.65	83.2	<0.2	<10	230	1.57	0.31	1.29	0.40	44.9	14.0	23
CC143956		0.19	0.004	0.11	1.20	36.0	<0.2	<10	160	0.93	0.29	0.54	0.11	24.6	11.8	22
CC143957		0.15	0.008	0.17	1.46	61.7	<0.2	<10	250	1.20	0.27	2.36	0.42	25.9	10.1	22
CC143958		0.14	0.001	0.05	1.31	86.0	<0.2	<10	130	0.87	0.27	0.42	0.41	25.9	12.0	22
CC143959		0.15	0.001	0.06	1.27	42.0	<0.2	<10	140	0.71	0.25	0.58	0.33	17.40	8.1	21
CC143960		0.13	0.002	0.09	1.11	72.0	<0.2	<10	190	1.17	0.33	0.66	0.13	22.2	15.1	19
CC143961		0.16	0.008	0.15	1.24	62.0	<0.2	<10	170	0.97	0.28	1.93	0.19	24.9	10.5	21
CC143962		0.22	0.001	0.07	1.38	44.8	<0.2	<10	200	0.99	0.28	0.32	0.18	24.1	10.2	25
CC143963		0.20	0.002	0.07	1.55	62.5	<0.2	<10	230	1.48	0.31	0.56	0.33	30.6	13.7	23
CC143964		0.26	0.004	0.09	1.51	70.7	<0.2	<10	200	1.42	0.32	0.58	0.18	23.5	13.4	24
CC143965		0.26	0.004	0.10	1.09	51.2	<0.2	<10	210	0.80	0.29	1.09	0.24	20.0	11.4	20
CC143966		0.14	0.005	0.11	0.91	37.5	<0.2	<10	200	0.79	0.23	1.35	0.41	21.3	9.7	17



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143147	0.75	20.7	3.37	2.86	0.05	0.06	0.36	0.030	0.07	9.2	9.6	1.72	1270	0.60	0.01
CC143148	3.33	18.7	2.20	1.23	<0.05	0.04	1.53	0.054	0.05	7.0	3.2	7.79	967	0.22	0.01
CC143149	2.11	26.5	2.75	3.02	0.06	0.07	0.41	0.022	0.10	8.6	16.2	3.27	646	0.88	0.01
CC143150	1.09	32.0	3.18	2.99	0.05	0.07	0.99	0.029	0.09	7.1	13.5	1.04	933	0.93	<0.01
CC143931	3.82	101.0	3.39	4.23	0.07	0.08	0.09	0.032	0.09	11.6	58.1	0.48	499	0.72	<0.01
CC143932	1.15	39.3	3.01	3.33	0.05	0.07	0.28	0.029	0.09	7.1	18.0	0.42	694	0.75	0.01
CC143933	1.08	39.2	3.56	3.68	0.05	0.06	0.38	0.036	0.10	7.9	20.3	0.72	842	1.05	0.01
CC143934	1.06	32.7	3.25	3.03	0.05	0.06	0.21	0.030	0.07	7.2	18.3	0.25	573	0.59	<0.01
CC143935	0.92	22.6	3.34	4.00	0.05	0.06	0.11	0.032	0.08	9.6	27.1	0.34	578	0.80	0.01
CC143936	1.92	20.6	3.64	2.51	0.05	0.03	0.06	0.036	0.10	9.3	14.2	0.18	458	0.69	<0.01
CC143937	1.38	43.6	3.47	3.61	0.05	0.07	0.31	0.034	0.11	8.4	15.8	0.45	869	0.95	0.01
CC143938	1.11	34.0	3.92	3.77	0.07	0.07	0.40	0.037	0.08	10.3	15.9	0.51	1120	1.06	<0.01
CC143939	1.57	36.3	3.90	3.20	0.07	0.07	0.51	0.032	0.10	8.9	15.0	1.38	1040	1.03	0.01
CC143940	1.03	31.2	3.61	3.70	0.06	0.07	0.32	0.035	0.11	8.9	19.7	0.58	885	1.08	0.01
CC143941	1.03	32.8	3.07	3.37	0.05	0.07	0.32	0.032	0.12	6.9	17.1	0.37	582	1.03	0.01
CC143942	1.08	31.0	3.41	3.21	0.06	0.07	0.38	0.035	0.11	8.2	16.6	0.69	851	1.01	0.01
CC143943	1.58	38.8	3.64	2.74	0.07	0.06	0.58	0.032	0.10	8.8	11.3	0.55	849	1.01	<0.01
CC143944	1.38	39.5	3.42	3.15	0.06	0.06	0.42	0.033	0.11	8.0	15.6	0.76	766	1.05	0.01
CC143945	1.66	39.7	3.47	2.85	0.06	0.07	0.39	0.031	0.12	9.7	14.7	1.13	589	0.83	0.01
CC143946	1.63	27.2	3.23	3.98	0.06	0.08	0.08	0.032	0.15	9.3	24.9	0.36	541	0.63	0.01
CC143947	1.73	32.6	3.67	3.59	0.06	0.07	0.32	0.032	0.12	10.0	22.7	0.88	780	0.75	0.01
CC143948	1.60	43.8	4.19	4.50	0.07	0.06	0.25	0.035	0.11	9.4	29.4	0.45	701	0.82	<0.01
CC143949	1.37	24.8	4.26	5.33	0.06	0.06	0.14	0.037	0.08	5.9	35.7	0.35	388	0.89	<0.01
CC143950	1.56	31.8	2.95	2.50	0.06	0.06	0.78	0.030	0.09	7.4	11.4	0.87	713	0.88	0.01
CC143951	4.24	27.1	2.59	2.17	0.05	0.05	0.56	0.030	0.08	6.7	8.3	0.89	603	0.83	<0.01
CC143952	1.05	24.6	3.39	3.47	0.05	0.07	0.52	0.033	0.10	12.0	16.1	1.01	563	1.30	0.01
CC143953	1.36	28.3	3.38	3.03	<0.05	0.06	0.29	0.030	0.11	7.3	12.0	0.58	659	0.69	<0.01
CC143954	0.65	29.0	2.79	3.05	<0.05	0.04	0.36	0.039	0.07	7.9	11.6	0.42	673	0.66	<0.01
CC143955	0.68	24.7	4.19	4.45	0.08	0.07	0.60	0.050	0.10	21.0	13.4	0.61	1340	1.28	<0.01
CC143956	0.92	21.9	3.36	3.81	0.05	0.07	0.27	0.032	0.10	11.5	16.5	0.49	576	0.99	<0.01
CC143957	1.44	28.5	3.51	4.42	0.05	0.05	0.29	0.035	0.11	12.4	15.4	1.21	1230	0.82	0.01
CC143958	1.16	15.0	3.59	4.39	<0.05	0.05	0.14	0.035	0.09	9.5	14.0	0.33	1110	0.89	<0.01
CC143959	0.83	12.6	2.91	4.33	<0.05	0.06	0.14	0.027	0.07	7.9	13.9	0.35	521	0.72	<0.01
CC143960	1.97	30.3	3.61	3.93	0.05	0.07	0.71	0.041	0.07	9.5	12.6	0.35	841	0.86	<0.01
CC143961	0.55	21.1	3.74	4.20	<0.05	0.07	0.34	0.033	0.07	14.5	15.3	1.12	871	0.94	<0.01
CC143962	0.63	18.6	3.34	4.75	<0.05	0.07	0.57	0.035	0.08	10.6	16.2	0.37	524	1.02	<0.01
CC143963	0.66	24.1	4.00	4.48	0.06	0.06	0.47	0.041	0.08	12.8	18.0	0.40	1120	1.38	<0.01
CC143964	0.76	31.3	3.81	4.82	0.06	0.08	0.80	0.038	0.06	14.1	14.0	0.35	870	1.00	<0.01
CC143965	0.81	21.3	3.21	4.02	<0.05	0.04	0.45	0.034	0.06	8.3	17.0	0.50	562	0.94	<0.01
CC143966	0.61	17.9	3.02	3.01	<0.05	0.04	0.57	0.031	0.05	8.6	14.0	0.37	829	1.01	<0.01



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143147		0.49	19.2	440	24.1	5.7	<0.001	0.04	1.56	4.3	0.6	0.4	27.5	<0.01	0.05	2.3
CC143148		0.17	15.0	550	21.7	3.3	0.001	0.04	2.59	3.8	0.5	0.3	72.5	<0.01	0.06	2.6
CC143149		0.60	23.4	700	21.0	6.8	<0.001	0.02	1.36	3.7	0.4	0.3	65.4	<0.01	0.04	4.1
CC143150		0.57	30.7	430	25.7	6.0	<0.001	0.03	2.08	4.8	0.6	0.4	28.1	<0.01	0.03	3.5
CC143931		0.71	35.8	360	26.7	12.6	<0.001	0.02	0.41	5.6	0.9	0.6	68.0	0.01	0.04	6.4
CC143932		0.48	24.3	570	20.7	11.7	0.001	0.07	0.59	3.8	1.5	0.4	61.1	<0.01	0.04	2.1
CC143933		0.42	32.6	350	24.7	8.8	<0.001	0.04	0.73	4.8	1.0	0.5	36.4	<0.01	0.04	2.7
CC143934		0.40	24.3	160	21.0	7.0	<0.001	0.02	0.36	3.9	0.4	0.4	19.0	<0.01	0.03	5.1
CC143935		0.64	26.8	230	17.4	12.0	<0.001	0.02	0.63	4.5	0.7	0.5	26.8	<0.01	0.04	4.0
CC143936		0.47	26.1	180	21.0	11.2	<0.001	0.01	0.40	4.1	0.3	0.4	20.6	<0.01	0.03	5.7
CC143937		0.43	28.5	700	25.2	13.5	0.001	0.06	0.67	4.3	1.7	0.5	58.4	<0.01	0.04	1.8
CC143938		0.48	30.2	330	26.9	9.0	<0.001	0.02	0.63	5.3	1.0	0.5	30.5	0.01	0.04	3.9
CC143939		0.39	30.5	590	29.4	8.4	0.001	0.03	0.83	4.9	0.9	0.4	34.7	<0.01	0.04	5.0
CC143940		0.50	31.3	320	24.0	8.8	<0.001	0.03	0.72	5.0	1.0	0.5	37.4	<0.01	0.05	3.3
CC143941		0.47	29.4	540	19.7	10.5	0.001	0.07	0.75	4.2	1.9	0.5	69.0	<0.01	0.04	2.0
CC143942		0.48	32.3	360	22.7	9.3	<0.001	0.03	0.68	5.1	0.9	0.5	32.5	<0.01	0.05	3.4
CC143943		0.35	34.6	280	26.8	8.2	<0.001	0.02	0.82	5.3	0.7	0.4	28.1	<0.01	0.05	5.1
CC143944		0.42	33.6	540	22.4	9.3	<0.001	0.04	0.74	4.6	1.0	0.4	41.7	<0.01	0.05	2.3
CC143945		0.33	31.2	540	23.9	9.4	<0.001	0.03	0.64	5.7	0.8	0.4	43.5	<0.01	0.05	3.9
CC143946		0.56	28.1	190	19.5	16.1	<0.001	0.02	0.48	5.5	0.6	0.5	30.5	<0.01	0.04	5.5
CC143947		0.45	32.1	330	25.7	11.6	<0.001	0.03	0.75	5.2	0.6	0.5	40.0	<0.01	0.04	4.5
CC143948		0.35	40.5	210	29.0	9.4	<0.001	0.02	0.52	6.1	0.6	0.5	17.1	<0.01	0.04	6.7
CC143949		0.60	26.9	180	26.1	11.7	<0.001	0.01	0.55	3.5	0.4	0.5	8.4	<0.01	0.03	4.5
CC143950		0.37	24.4	590	24.8	11.1	<0.001	0.06	0.78	3.8	1.2	0.4	56.9	<0.01	0.05	1.7
CC143951		0.29	21.9	550	23.8	11.8	0.001	0.06	0.79	3.6	1.2	0.4	58.5	<0.01	0.03	1.7
CC143952		0.74	28.5	350	24.4	9.8	<0.001	0.01	0.90	5.3	1.0	0.5	32.7	<0.01	0.04	4.4
CC143953		0.41	25.4	320	26.3	17.1	<0.001	0.03	0.56	4.4	0.8	0.4	40.0	<0.01	0.03	2.4
CC143954		0.39	21.8	630	25.0	9.2	<0.001	0.05	0.54	3.2	1.5	0.4	41.8	<0.01	0.01	1.1
CC143955		0.60	28.5	350	46.5	11.4	<0.001	0.02	1.06	8.7	1.4	0.5	27.2	<0.01	0.06	4.8
CC143956		0.73	27.7	190	22.9	9.0	<0.001	0.01	0.69	5.1	0.8	0.5	20.7	<0.01	0.04	4.8
CC143957		0.65	24.1	360	26.1	16.2	<0.001	0.02	0.64	4.8	0.7	0.6	29.0	<0.01	0.05	3.0
CC143958		0.76	21.3	210	24.8	16.5	<0.001	0.01	0.80	4.3	0.7	0.5	16.4	<0.01	0.03	3.4
CC143959		0.77	19.4	160	20.2	10.1	<0.001	0.01	0.58	3.3	0.6	0.5	18.8	0.01	0.01	3.0
CC143960		0.55	27.4	220	28.5	9.3	<0.001	0.02	0.84	6.5	1.0	0.5	19.5	<0.01	0.05	4.6
CC143961		0.61	26.3	290	26.5	7.9	<0.001	0.02	0.83	5.7	0.9	0.5	24.0	<0.01	0.04	3.7
CC143962		0.75	24.8	210	24.6	9.3	<0.001	0.02	0.77	5.5	0.8	0.5	15.3	<0.01	0.05	4.2
CC143963		0.39	27.2	250	41.7	10.2	<0.001	0.02	0.69	6.6	1.2	0.6	13.7	<0.01	0.03	5.1
CC143964		0.46	30.3	180	32.5	8.5	<0.001	0.02	0.81	7.6	1.1	0.6	17.4	<0.01	0.04	5.0
CC143965		0.61	25.2	380	29.3	8.3	<0.001	0.03	0.86	3.8	0.7	0.5	30.9	<0.01	0.03	2.5
CC143966		0.47	20.3	510	25.1	7.1	<0.001	0.05	0.71	3.0	1.0	0.4	44.7	<0.01	0.02	1.7

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



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
CC143147		0.006	0.16	0.53	21	0.11	10.80	53	1.6
CC143148		<0.005	0.43	0.80	7	0.08	8.34	1200	1.0
CC143149		0.014	0.27	0.93	21	0.12	8.10	111	2.1
CC143150		0.007	0.29	0.55	21	0.12	9.84	83	2.2
CC143931		0.015	0.09	3.12	26	0.12	19.90	69	1.6
CC143932		0.007	0.10	1.88	24	0.07	10.20	103	1.7
CC143933		0.006	0.14	1.10	27	0.08	11.10	99	1.4
CC143934		0.007	0.09	0.82	18	0.06	5.35	68	1.8
CC143935		0.013	0.10	0.70	31	0.11	7.86	102	1.7
CC143936		0.008	0.10	0.78	22	0.07	4.07	63	1.2
CC143937		0.006	0.14	2.03	27	0.07	12.10	114	1.7
CC143938		0.008	0.16	0.89	29	0.10	12.35	112	1.6
CC143939		0.007	0.18	0.98	23	0.07	10.80	121	1.9
CC143940		0.008	0.15	1.03	29	0.10	10.50	112	1.7
CC143941		0.005	0.14	1.75	27	0.07	11.10	107	1.9
CC143942		0.007	0.14	0.93	26	0.07	10.75	111	1.7
CC143943		0.005	0.15	0.93	22	0.06	8.74	104	1.8
CC143944		0.006	0.14	1.21	26	0.06	10.60	108	1.4
CC143945		0.005	0.15	0.97	22	0.06	11.45	98	1.8
CC143946		0.009	0.14	0.67	25	0.08	10.05	65	2.5
CC143947		0.007	0.15	0.74	23	0.07	10.20	92	1.9
CC143948		0.006	0.14	0.83	24	0.06	11.15	87	2.2
CC143949		0.009	0.11	0.50	31	0.07	3.13	89	2.1
CC143950		0.006	0.17	1.41	24	0.07	10.95	275	1.3
CC143951		0.005	0.15	1.36	20	0.09	9.38	109	1.4
CC143952		0.018	0.19	0.76	36	0.13	12.15	114	2.0
CC143953		0.006	0.14	0.91	23	0.07	7.98	95	1.4
CC143954		0.007	0.09	1.20	24	0.07	9.64	84	1.2
CC143955		0.005	0.24	1.23	43	0.13	26.0	125	2.1
CC143956		0.017	0.16	0.75	31	0.12	10.35	88	2.3
CC143957		0.012	0.13	1.29	34	0.10	11.30	98	1.3
CC143958		0.014	0.15	1.33	36	0.13	5.49	95	1.3
CC143959		0.016	0.14	1.13	32	0.13	4.86	89	1.7
CC143960		0.006	0.19	0.92	26	0.08	11.90	94	2.3
CC143961		0.010	0.13	0.91	33	0.18	15.45	84	2.2
CC143962		0.014	0.15	0.96	38	0.13	8.94	105	2.1
CC143963		<0.005	0.21	0.96	36	0.08	16.60	103	1.7
CC143964		0.005	0.22	1.44	35	0.09	20.2	95	2.5
CC143965		0.011	0.13	0.93	29	0.10	6.59	93	1.2
CC143966		0.011	0.10	1.42	27	0.11	7.77	85	1.1



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143967		0.27	0.004	0.11	0.87	64.6	<0.2	<10	150	0.77	0.27	2.11	0.34	17.65	10.0	16
CC143968		0.15	0.008	0.14	0.89	42.5	<0.2	<10	330	0.78	0.21	3.31	0.69	17.20	9.2	14
CC143969		0.14	0.009	0.13	0.84	59.3	<0.2	<10	270	0.91	0.23	3.42	0.54	13.15	11.0	14
CC143970		0.23	0.003	0.13	0.98	70.2	<0.2	<10	240	0.92	0.27	2.80	0.37	16.70	11.5	17
CC143971		0.20	0.002	0.15	1.05	53.8	<0.2	<10	210	0.81	0.26	2.62	0.38	20.9	10.9	18
CC143972		0.17	0.003	0.41	1.18	81.9	<0.2	<10	150	1.19	0.30	0.52	0.10	30.5	12.2	18
CC143973		0.18	0.005	0.22	1.26	134.5	<0.2	<10	180	0.86	0.26	3.50	0.48	25.8	10.3	22
CC143974		0.10	0.004	0.11	0.93	1225	<0.2	10	120	0.84	0.29	2.21	0.73	21.2	13.3	15
CC143975		0.13	0.004	0.14	1.03	202	<0.2	<10	110	0.82	0.21	4.95	0.52	25.9	8.1	13
CC143976		0.13	0.004	0.10	0.56	915	<0.2	<10	90	0.61	0.08	13.30	0.63	13.60	3.9	7
CC143977		0.13	0.018	0.20	1.05	535	<0.2	<10	70	0.62	0.14	8.72	1.25	27.2	5.1	18
CC143978		0.12	0.001	0.09	1.43	57.2	<0.2	<10	170	1.02	0.25	0.53	0.65	27.3	9.7	22
CC143979		0.12	0.002	0.05	1.29	109.5	<0.2	<10	140	0.64	0.18	1.99	0.72	24.8	7.2	18
CC143980		0.12	0.005	0.05	1.47	114.0	<0.2	<10	120	1.18	0.29	2.54	0.20	20.6	12.2	19
CC143981		0.12	0.012	0.18	0.97	433	<0.2	10	270	1.26	0.32	6.48	1.69	65.9	11.4	14
CC143982		0.18	0.002	0.10	1.23	98.5	<0.2	<10	130	0.90	0.20	8.34	0.28	21.9	7.8	16
CC143983		0.10	0.002	0.08	1.11	766	<0.2	<10	170	0.79	0.24	1.15	0.49	29.8	6.8	15
CC143984		0.16	0.002	0.07	1.91	199.0	<0.2	<10	190	1.31	0.32	2.26	0.30	35.6	13.2	27
CC143985		0.20	0.006	0.17	1.32	546	<0.2	<10	110	0.82	0.20	6.55	0.43	28.1	8.4	18
CC143986		0.11	0.002	0.06	1.96	237	<0.2	<10	180	1.12	0.27	2.05	0.56	28.8	10.3	28
CC143987		0.16	0.002	0.03	1.86	23.7	<0.2	<10	160	0.95	0.28	0.34	0.14	24.0	11.3	30
CC143988		0.12	0.006	0.08	0.17	41	<0.2	<10	50	0.37	0.11	15.60	0.12	10.35	4.4	3
CC143989		0.17	0.004	0.08	0.36	19.1	<0.2	<10	90	1.21	0.52	5.27	0.09	21.9	25.2	4
CC143990		0.13	0.004	0.08	0.55	16.0	<0.2	<10	140	1.45	0.47	2.75	0.08	29.2	21.8	7

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



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143967		0.99	27.4	3.10	3.12	<0.05	0.04	0.65	0.029	0.06	8.0	13.8	0.89	603	0.78	<0.01
CC143968		0.66	26.2	2.69	2.78	<0.05	0.03	0.46	0.028	0.06	7.2	9.6	1.03	894	0.76	0.01
CC143969		0.91	31.5	2.91	2.78	0.05	0.05	0.67	0.028	0.06	6.1	9.7	0.97	718	0.79	0.01
CC143970		0.61	31.1	3.20	3.29	<0.05	0.06	0.73	0.031	0.07	7.9	12.3	1.18	705	0.86	<0.01
CC143971		0.70	25.1	3.16	3.57	<0.05	0.07	0.77	0.032	0.07	9.6	13.4	1.31	642	1.11	0.01
CC143972		2.33	24.7	3.62	3.48	<0.05	0.05	0.66	0.038	0.06	11.3	11.5	0.24	870	0.79	<0.01
CC143973		0.87	19.1	3.66	4.16	0.05	0.07	0.86	0.033	0.06	12.6	14.2	1.76	844	0.91	0.01
CC143974		1.06	22.0	4.03	2.86	0.06	0.04	0.88	0.032	0.06	9.8	8.3	0.52	861	0.68	0.01
CC143975		0.75	15.4	3.87	3.09	<0.05	0.06	0.97	0.028	0.06	13.2	9.1	2.62	1510	0.60	0.01
CC143976		6.68	7.0	3.30	2.09	<0.05	0.04	0.96	0.011	0.03	6.9	5.5	6.51	1460	0.46	0.01
CC143977		0.57	9.5	4.31	3.06	<0.05	0.08	13.20	0.021	0.03	13.2	10.1	4.62	1960	0.77	0.01
CC143978		0.79	11.6	3.45	4.97	<0.05	0.06	0.27	0.036	0.06	11.4	12.6	0.40	1170	0.87	<0.01
CC143979		0.72	7.9	3.66	4.15	<0.05	0.06	0.55	0.027	0.04	7.7	10.0	1.04	1280	0.62	<0.01
CC143980		0.49	21.3	4.00	4.30	<0.05	0.10	1.16	0.035	0.06	9.4	12.5	1.45	1320	0.64	<0.01
CC143981		1.88	14.8	6.73	3.20	0.13	0.07	3.34	0.033	0.05	38.7	3.9	1.44	4380	0.76	0.01
CC143982		0.73	13.4	3.99	3.65	<0.05	0.06	2.14	0.024	0.05	10.6	11.6	4.85	2380	0.67	0.01
CC143983		3.54	12.4	2.56	3.25	<0.05	0.05	0.19	0.031	0.08	11.9	12.9	0.28	940	0.57	0.01
CC143984		1.07	20.3	5.22	6.05	0.05	0.11	0.66	0.038	0.07	16.9	20.8	1.70	2730	1.23	0.01
CC143985		0.66	16.4	4.62	3.83	<0.05	0.06	1.36	0.026	0.05	14.4	11.3	4.35	2710	0.96	0.01
CC143986		1.09	9.7	4.12	6.08	<0.05	0.07	9.7	0.036	0.07	12.8	18.4	1.47	2180	0.78	0.01
CC143987		1.05	12.7	3.65	5.96	<0.05	0.07	0.05	0.034	0.06	10.9	26.1	0.52	415	0.83	0.01
CC143988		0.66	11.3	1.87	0.50	<0.05	0.08	0.59	0.011	0.03	5.8	2.6	8.68	1330	0.19	0.02
CC143989		4.21	37.7	2.99	1.06	<0.05	0.06	0.23	0.031	0.11	10.3	4.7	0.98	340	0.32	<0.01
CC143990		3.04	51.9	3.02	1.64	<0.05	0.08	0.10	0.037	0.14	13.2	7.8	0.21	501	0.44	<0.01





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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
LOR		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	
CC143967		0.47	24.5	630	28.8	6.4	<0.001	0.04	0.85	3.9	0.8	0.3	41.5	<0.01	0.03	2.5
CC143968		0.38	20.3	670	21.8	6.5	<0.001	0.07	0.77	2.6	1.3	0.4	55.8	<0.01	0.03	0.8
CC143969		0.36	25.0	610	24.9	6.9	<0.001	0.06	0.99	3.4	1.1	0.4	57.1	<0.01	0.02	1.1
CC143970		0.44	26.0	510	30.3	6.3	<0.001	0.03	0.82	4.5	0.7	0.4	43.9	<0.01	0.03	2.6
CC143971		0.59	25.2	500	26.4	8.0	<0.001	0.03	0.88	4.7	1.1	0.5	34.0	<0.01	0.03	2.9
CC143972		0.50	25.1	180	27.4	11.1	<0.001	0.02	0.93	6.1	0.9	0.4	17.6	<0.01	0.04	4.4
CC143973		0.77	26.8	520	25.9	8.7	<0.001	0.03	1.63	4.9	0.8	0.5	40.3	<0.01	0.05	2.7
CC143974		0.37	27.1	640	159.0	8.6	<0.001	0.05	3.58	3.8	0.8	0.5	42.6	<0.01	0.05	1.3
CC143975		0.29	16.2	1000	50.4	9.0	<0.001	0.07	3.36	2.6	0.7	0.4	38.6	<0.01	0.02	1.0
CC143976		0.21	8.4	1200	9.5	9.9	<0.001	0.07	2.20	1.1	1.1	0.2	80.6	<0.01	0.04	0.4
CC143977		0.35	16.0	1340	64.2	5.5	<0.001	0.04	6.72	3.0	1.0	0.3	60.7	<0.01	0.06	1.7
CC143978		0.77	19.5	250	27.1	11.1	<0.001	0.03	0.87	4.1	0.5	0.5	14.9	<0.01	0.04	3.6
CC143979		0.45	14.3	290	40.5	6.3	<0.001	0.02	2.26	2.9	0.5	0.5	24.1	<0.01	0.03	3.3
CC143980		0.38	25.0	320	34.8	8.2	<0.001	0.03	0.97	6.0	0.7	0.5	17.4	<0.01	0.03	3.8
CC143981		0.32	14.4	1130	61.3	15.4	<0.001	0.11	4.38	3.6	2.7	0.5	99.1	0.01	0.12	0.9
CC143982		0.59	18.7	420	21.3	11.2	<0.001	0.03	1.75	3.8	1.1	0.4	21.6	<0.01	0.05	2.3
CC143983		0.58	19.3	330	52.4	14.7	<0.001	0.04	1.06	2.6	1.1	0.4	41.0	<0.01	0.03	2.5
CC143984		1.09	32.3	330	30.3	11.6	<0.001	0.02	1.31	5.8	0.9	0.6	14.7	<0.01	0.05	5.2
CC143985		0.57	22.1	830	18.2	8.3	<0.001	0.04	2.02	3.1	1.0	0.4	27.8	<0.01	0.05	1.7
CC143986		1.01	23.3	360	26.2	14.0	<0.001	0.03	1.16	4.2	0.8	0.6	15.4	<0.01	0.04	3.5
CC143987		0.82	25.2	170	19.7	9.4	<0.001	0.01	0.63	4.4	0.4	0.6	12.9	<0.01	0.04	5.1
CC143988		0.11	7.3	850	12.5	3.9	<0.001	0.04	1.52	2.5	0.5	<0.2	69.2	<0.01	0.05	1.2
CC143989		0.14	28.5	570	58.3	7.7	<0.001	0.08	0.82	6.7	0.6	0.5	58.2	0.01	0.12	4.8
CC143990		0.21	32.3	350	37.9	8.1	<0.001	0.05	0.64	9.3	0.6	0.4	39.4	0.01	0.10	4.4



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**CERTIFICATE OF ANALYSIS WH12193052**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143967		0.009	0.19	1.04	23	0.10	9.61	101	1.4
CC143968		0.008	0.13	1.86	23	0.10	8.74	111	0.9
CC143969		0.006	0.20	1.65	20	0.08	9.42	109	1.2
CC143970		0.007	0.20	0.81	25	0.09	10.65	112	1.3
CC143971		0.010	0.22	0.92	30	0.12	10.65	107	1.6
CC143972		0.005	0.23	1.04	25	0.10	10.90	73	1.9
CC143973		0.018	0.30	0.96	36	0.18	11.60	192	1.6
CC143974		0.007	6.05	0.71	25	0.19	10.10	221	1.0
CC143975		0.006	0.54	1.38	23	0.12	16.25	92	1.5
CC143976		0.006	0.93	3.16	15	0.15	10.45	168	1.1
CC143977		0.009	0.92	2.72	29	0.20	15.45	465	2.1
CC143978		0.012	0.28	1.41	41	0.20	7.86	232	2.0
CC143979		<0.005	0.39	0.73	28	0.16	4.55	159	1.9
CC143980		<0.005	0.24	0.88	28	0.09	13.65	72	2.6
CC143981		0.010	0.89	1.55	31	0.16	78.5	209	1.2
CC143982		0.013	1.29	1.24	28	0.13	14.20	122	1.8
CC143983		0.011	0.24	1.31	24	0.08	7.53	90	1.7
CC143984		0.019	0.35	1.28	44	0.19	14.60	107	3.2
CC143985		0.017	1.00	1.78	30	0.17	13.45	98	1.6
CC143986		0.019	0.67	1.11	45	0.17	8.83	275	2.1
CC143987		0.016	0.21	0.67	43	0.21	4.58	84	2.2
CC143988		<0.005	0.22	0.52	6	0.10	7.46	11	2.0
CC143989		<0.005	0.25	0.57	7	<0.05	13.95	98	1.2
CC143990		<0.005	0.24	0.46	10	0.05	13.80	77	1.8



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**CERTIFICATE OF ANALYSIS WH12193052**

**CERTIFICATE COMMENTS**

Applies to Method:



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To: **STRATEGIC METALS LTD.**  
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**CERTIFICATE WH12193053**

Project: Crag East 3  
 P.O. No.:  
 This report is for 155 Soil samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

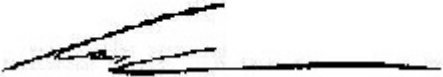
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
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 Finalized Date: 4- SEP- 2012  
 Account: MTT

Project: Crag East 3

<b>CERTIFICATE OF ANALYSIS WH12193053</b>
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143747		0.34	0.001	0.04	2.01	7.8	<0.2	<10	100	0.86	0.40	0.02	0.06	11.45	12.2	34
CC143748		0.38	0.002	0.04	1.75	8.7	<0.2	<10	230	1.50	0.47	0.15	0.05	17.90	19.6	35
CC143749		0.26	0.002	0.02	1.69	6.1	<0.2	<10	190	1.09	0.34	0.10	0.02	14.75	12.5	31
CC143750		0.20	0.002	0.11	1.91	8.2	<0.2	<10	370	1.59	0.34	0.56	0.11	19.40	11.2	31
CC143751		0.18	0.002	0.11	1.61	10.5	<0.2	<10	360	1.08	0.37	0.30	0.25	11.60	11.9	29
CC143752		0.24	0.002	0.16	1.97	7.2	<0.2	<10	360	1.43	0.37	0.71	0.11	12.70	10.3	30
CC143753		0.26	0.003	0.10	2.00	3.6	<0.2	<10	450	1.36	0.29	0.56	0.34	15.25	9.3	31
CC143754		0.37	0.001	0.02	1.57	5.1	<0.2	<10	120	0.90	0.29	0.16	0.04	15.00	10.1	30
CC143755		0.37	0.002	0.03	1.80	6.3	<0.2	<10	180	1.27	0.37	0.22	0.04	14.75	13.4	34
CC143756		0.23	0.003	0.02	1.75	9.4	<0.2	<10	190	0.94	0.37	0.11	0.05	13.50	13.0	33
CC143757		0.26	0.003	0.02	1.77	7.8	<0.2	<10	150	1.26	0.38	0.11	0.06	17.15	18.1	35
CC143758		0.29	0.002	0.03	1.11	8.8	<0.2	<10	60	0.30	0.36	0.02	0.05	18.05	4.5	19
CC143759		0.25	0.002	0.03	2.07	10.9	<0.2	<10	90	0.87	0.36	0.02	0.07	12.60	13.2	37
CC143760		0.27	0.001	0.03	1.77	9.9	<0.2	<10	90	0.68	0.37	0.02	0.05	13.55	9.8	31
CC143761		0.17	0.002	0.12	2.33	13.9	<0.2	<10	90	0.86	0.42	0.02	0.08	14.40	17.7	36
CC143762		0.23	0.003	0.03	1.64	11.0	<0.2	<10	100	0.88	0.33	0.05	0.05	19.95	10.6	29
CC143763		0.25	0.001	0.04	2.35	9.1	<0.2	<10	130	1.19	0.33	0.07	0.08	17.10	13.5	38
CC143764		0.25	0.001	0.04	1.72	9.4	<0.2	<10	110	0.52	0.40	0.03	0.05	19.65	7.1	26
CC143765		0.23	0.001	0.02	1.45	8.9	<0.2	<10	70	0.24	0.40	0.02	0.04	18.25	5.8	23
CC143766		0.21	0.003	0.15	1.56	21.9	<0.2	<10	120	0.96	0.36	0.04	0.08	10.85	16.6	32
CC143767		0.15	0.010	0.62	2.25	7.5	<0.2	<10	730	2.83	0.30	0.97	0.40	22.4	11.0	28
CC143768		0.35	0.001	0.05	1.47	9.4	<0.2	<10	270	1.28	0.36	0.20	0.07	17.65	11.2	29
CC143769		0.28	0.003	0.52	2.37	10.6	<0.2	<10	520	3.06	0.39	0.51	0.28	22.2	17.5	31
CC143770		0.22	0.001	0.07	1.96	9.6	<0.2	<10	70	0.71	0.41	0.01	0.07	14.25	11.8	32
CC143771		0.32	0.001	0.02	2.00	9.6	<0.2	<10	140	1.10	0.40	0.02	0.06	16.95	14.7	35
CC143772		0.23	0.001	0.03	1.60	10.7	<0.2	<10	60	0.48	0.38	0.02	0.05	14.85	8.4	30
CC143773		0.15	0.002	0.04	1.36	10.5	<0.2	<10	90	0.51	0.37	0.04	0.06	16.35	10.2	27
CC143774		0.24	0.002	0.05	1.17	9.1	<0.2	<10	70	0.33	0.34	0.03	0.04	19.75	5.0	19
CC143775		0.25	0.002	0.05	1.72	7.2	<0.2	<10	110	1.29	0.35	0.11	0.09	22.5	19.0	29
CC143776		0.16	0.003	0.13	2.02	7.5	<0.2	<10	480	2.02	0.38	0.57	0.26	19.75	9.2	31
CC143777		0.24	0.001	0.03	1.67	5.8	<0.2	<10	150	1.07	0.32	0.19	0.04	16.35	12.1	31
CC143778		0.16	0.001	0.04	1.63	7.6	<0.2	<10	150	1.04	0.35	0.25	0.06	15.25	12.9	29
CC143779		0.26	0.001	0.01	1.74	7.2	<0.2	<10	180	1.13	0.39	0.12	0.02	16.80	14.8	34
CC143780		0.32	0.002	0.03	2.01	10.2	<0.2	<10	130	0.74	0.42	0.07	0.06	13.35	14.5	36
CC143781		0.24	0.001	0.02	1.97	9.3	<0.2	<10	100	0.66	0.40	0.01	0.11	15.30	11.8	33
CC143782		0.18	0.001	0.03	1.90	8.0	<0.2	<10	290	0.90	0.34	0.18	0.09	22.6	11.3	31
CC143783		0.20	0.004	0.04	0.93	5.5	<0.2	<10	90	0.14	0.30	0.04	0.16	24.6	1.9	14
CC143784		0.29	0.002	0.05	2.04	9.3	<0.2	<10	100	0.70	0.35	0.03	0.09	19.50	10.3	32
CC143785		0.28	0.004	0.08	1.83	6.3	<0.2	<10	300	1.08	0.35	0.45	0.13	14.75	11.4	31
CC143786		0.23	0.001	0.13	1.44	8.8	<0.2	<10	150	0.93	0.34	0.08	0.14	20.8	12.8	31

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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143747		1.31	29.6	4.29	7.82	<0.05	0.04	0.02	0.036	0.06	5.2	37.6	0.44	484	0.65	0.01
CC143748		1.10	47.5	4.47	7.07	0.05	0.04	0.04	0.038	0.09	7.3	32.9	0.55	941	0.46	0.01
CC143749		1.15	25.5	3.76	6.83	<0.05	0.02	0.03	0.030	0.07	6.6	31.5	0.47	506	0.48	0.01
CC143750		1.36	37.1	3.67	6.00	0.05	0.10	0.08	0.033	0.12	10.5	29.3	0.50	442	0.61	0.01
CC143751		1.74	29.3	3.53	6.66	<0.05	0.06	0.04	0.035	0.12	5.3	20.4	0.34	689	1.00	0.01
CC143752		1.42	31.4	3.70	6.62	<0.05	0.10	0.07	0.036	0.13	6.5	29.8	0.45	420	0.56	0.01
CC143753		1.84	28.4	2.76	7.03	<0.05	0.10	0.09	0.035	0.12	7.9	32.4	0.43	389	0.38	0.01
CC143754		1.05	16.0	3.47	6.13	0.05	0.03	0.03	0.025	0.08	6.8	29.5	0.47	298	0.40	0.01
CC143755		1.11	27.5	4.00	6.86	0.06	0.07	0.03	0.029	0.10	6.5	34.0	0.57	501	0.38	0.01
CC143756		1.82	21.1	4.13	6.78	<0.05	0.03	0.04	0.032	0.09	6.4	24.6	0.41	529	0.93	0.01
CC143757		1.28	33.8	4.09	7.32	0.06	0.03	0.03	0.032	0.09	7.2	33.2	0.54	861	0.63	0.01
CC143758		1.83	23.1	2.98	7.79	<0.05	<0.02	0.03	0.020	0.05	9.2	6.9	0.13	159	1.41	<0.01
CC143759		1.91	24.5	4.41	6.70	0.06	0.05	0.03	0.042	0.06	5.8	36.6	0.43	444	1.17	<0.01
CC143760		1.81	19.2	4.51	7.59	0.05	0.03	0.02	0.037	0.06	6.3	26.5	0.30	381	0.90	<0.01
CC143761		2.48	26.9	4.38	7.72	0.06	0.06	0.04	0.040	0.07	6.7	38.3	0.40	412	1.24	0.01
CC143762		1.68	22.1	3.44	6.29	0.06	0.03	0.04	0.029	0.05	9.7	26.8	0.40	283	1.11	<0.01
CC143763		2.10	20.3	4.43	7.58	0.06	0.04	0.03	0.044	0.07	7.5	49.1	0.42	463	1.18	<0.01
CC143764		2.67	14.4	3.56	8.57	0.05	0.02	0.02	0.025	0.07	9.8	15.0	0.27	291	1.30	0.01
CC143765		2.52	11.6	4.05	9.41	0.05	0.02	0.02	0.027	0.05	9.3	9.2	0.13	385	1.19	0.01
CC143766		1.68	34.8	5.29	5.77	0.08	0.06	0.08	0.031	0.07	4.2	28.9	0.43	750	3.58	0.01
CC143767		7.88	41.1	3.36	5.46	0.08	0.12	0.13	0.041	0.13	13.4	42.9	0.57	1540	0.71	0.02
CC143768		1.53	31.4	3.76	5.90	0.05	0.02	0.03	0.033	0.07	8.4	30.0	0.40	560	0.85	0.01
CC143769		18.20	39.0	4.43	6.38	0.08	0.17	0.16	0.046	0.16	12.4	72.5	0.51	1560	0.76	0.01
CC143770		1.76	19.9	4.51	7.14	0.06	0.06	0.03	0.034	0.07	6.7	39.7	0.40	428	0.74	<0.01
CC143771		1.82	24.8	4.51	7.13	0.06	0.03	0.03	0.036	0.07	7.4	38.2	0.48	602	0.78	<0.01
CC143772		1.96	16.9	4.56	7.73	0.06	0.05	0.02	0.031	0.06	7.3	24.2	0.28	283	1.13	<0.01
CC143773		1.62	18.4	4.60	7.56	0.07	0.03	0.02	0.030	0.06	7.8	16.0	0.26	506	1.23	<0.01
CC143774		2.10	13.4	2.72	6.59	<0.05	<0.02	0.03	0.020	0.06	10.0	9.1	0.16	169	1.26	0.01
CC143775		1.51	29.9	3.85	5.88	0.08	0.04	0.03	0.030	0.11	9.0	35.3	0.48	1170	0.51	0.01
CC143776		1.73	42.2	3.50	6.88	0.06	0.10	0.06	0.042	0.10	9.2	26.9	0.34	565	1.23	0.01
CC143777		1.08	21.5	3.68	6.47	0.06	0.03	0.02	0.027	0.08	7.6	33.8	0.51	341	0.46	0.01
CC143778		1.17	25.0	3.75	6.21	0.05	0.02	0.03	0.029	0.07	6.6	34.2	0.48	579	0.60	0.01
CC143779		0.81	38.6	4.00	6.92	0.05	0.02	0.05	0.032	0.07	6.6	30.6	0.55	675	0.42	<0.01
CC143780		1.65	23.4	4.77	7.50	<0.05	0.05	0.05	0.035	0.06	5.3	40.5	0.48	643	0.83	<0.01
CC143781		1.39	17.3	4.47	7.37	<0.05	0.07	0.04	0.032	0.06	6.5	35.7	0.43	455	0.89	<0.01
CC143782		1.52	17.9	3.38	6.40	0.05	0.02	0.05	0.031	0.07	9.6	27.3	0.48	614	0.82	<0.01
CC143783		1.39	8.8	1.51	6.75	<0.05	<0.02	0.04	0.015	0.03	12.4	3.4	0.09	127	1.02	<0.01
CC143784		1.63	15.4	3.68	7.04	<0.05	0.04	0.05	0.029	0.05	8.5	28.3	0.34	504	1.23	<0.01
CC143785		1.14	22.7	3.60	6.18	0.05	0.09	0.06	0.032	0.09	5.9	28.1	0.50	438	0.96	<0.01
CC143786		1.14	32.1	3.51	5.59	<0.05	<0.02	0.05	0.028	0.06	8.6	23.2	0.40	686	1.03	<0.01



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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units LOR	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143747		1.19	23.3	200	21.5	16.5	<0.001	0.01	0.25	3.9	0.2	0.9	5.0	<0.01	0.03	4.1
CC143748		0.77	32.0	250	29.1	10.4	<0.001	0.01	0.28	6.2	0.3	0.8	11.4	<0.01	0.03	6.1
CC143749		1.01	24.8	270	19.3	12.0	<0.001	0.01	0.23	3.9	0.3	0.7	9.0	<0.01	0.03	3.0
CC143750		0.96	28.4	710	17.4	11.3	<0.001	0.04	0.34	5.0	0.8	0.6	31.7	0.01	0.04	3.1
CC143751		1.05	20.2	880	21.5	14.6	<0.001	0.04	0.37	4.1	0.4	0.8	24.1	<0.01	0.05	2.1
CC143752		0.94	25.6	760	17.1	15.9	<0.001	0.05	0.25	5.3	0.6	0.8	38.1	<0.01	0.03	3.2
CC143753		1.09	23.5	620	19.1	16.0	0.001	0.09	0.25	5.4	0.8	0.8	32.4	<0.01	0.03	3.6
CC143754		1.32	23.9	310	14.3	10.0	<0.001	0.01	0.22	3.5	0.3	0.7	11.6	<0.01	0.03	3.6
CC143755		0.95	29.8	190	18.1	11.3	<0.001	0.02	0.25	5.4	0.3	0.7	29.4	<0.01	0.03	5.5
CC143756		1.47	23.1	350	20.1	12.7	<0.001	0.02	0.53	3.7	0.4	0.8	10.9	<0.01	0.04	3.0
CC143757		0.96	31.2	330	25.2	12.1	<0.001	0.01	0.30	4.6	0.4	0.8	10.5	<0.01	0.03	4.7
CC143758		1.62	8.8	220	14.0	12.7	<0.001	0.01	0.50	2.2	0.4	0.9	5.1	<0.01	0.05	2.7
CC143759		2.33	27.5	190	22.6	15.5	<0.001	0.01	0.47	4.2	0.5	0.8	5.5	0.01	0.05	4.2
CC143760		1.83	17.8	220	19.6	16.5	<0.001	0.01	0.55	3.5	0.4	0.9	5.3	<0.01	0.05	3.9
CC143761		1.78	29.5	280	40.2	15.2	<0.001	0.02	0.49	4.0	0.7	0.9	5.9	0.01	0.06	4.9
CC143762		1.54	23.2	260	20.7	11.8	<0.001	0.01	0.50	3.5	0.5	0.7	7.0	0.01	0.05	4.2
CC143763		2.50	26.0	270	19.3	18.0	<0.001	0.01	0.40	4.3	0.5	0.9	8.2	0.01	0.05	4.2
CC143764		1.55	14.6	230	18.6	16.1	<0.001	0.01	0.46	3.3	0.4	1.0	6.2	<0.01	0.05	3.6
CC143765		2.03	9.1	340	16.8	14.4	<0.001	0.01	0.49	2.7	0.3	1.0	5.3	<0.01	0.06	4.0
CC143766		1.86	33.4	330	28.4	10.0	<0.001	0.61	1.67	3.7	0.7	0.6	6.8	0.01	0.04	3.8
CC143767		1.10	31.7	1380	17.7	28.8	<0.001	0.12	0.48	6.5	1.3	0.7	42.5	0.01	0.05	2.1
CC143768		1.49	23.6	380	22.6	13.3	<0.001	0.01	0.47	4.5	0.5	0.7	13.2	0.01	0.04	2.7
CC143769		0.87	42.8	840	48.1	33.4	<0.001	0.04	0.35	9.1	1.1	0.8	26.4	0.01	0.07	4.5
CC143770		1.68	23.6	170	24.0	13.8	<0.001	0.01	0.41	3.4	0.4	0.8	4.4	0.01	0.04	4.7
CC143771		1.51	27.5	150	29.4	14.9	<0.001	0.01	0.42	4.1	0.4	0.8	5.8	0.01	0.05	4.7
CC143772		2.26	16.6	200	18.8	16.5	<0.001	0.01	0.46	3.4	0.4	0.9	5.8	0.01	0.06	4.2
CC143773		3.07	16.3	230	24.4	13.4	<0.001	0.01	0.50	3.1	0.4	0.8	6.9	0.01	0.06	3.9
CC143774		1.54	10.4	240	14.3	11.9	<0.001	0.02	0.46	2.4	0.4	0.8	7.0	<0.01	0.05	3.4
CC143775		1.23	29.8	440	35.1	10.3	<0.001	0.02	0.35	4.0	0.3	0.5	10.5	<0.01	0.04	4.8
CC143776		1.13	26.1	1710	17.2	17.1	<0.001	0.10	0.39	5.3	0.7	0.8	51.0	0.01	0.05	2.1
CC143777		1.15	27.1	200	16.6	10.2	<0.001	0.01	0.27	3.9	0.3	0.6	14.3	<0.01	0.03	4.3
CC143778		1.18	24.8	250	21.7	10.2	<0.001	0.01	0.33	3.4	0.3	0.6	22.0	<0.01	0.04	3.4
CC143779		0.79	29.1	160	27.2	7.9	<0.001	<0.01	0.26	5.1	0.5	0.8	7.7	<0.01	<0.01	3.8
CC143780		2.48	24.3	210	33.4	11.0	<0.001	0.01	0.44	3.4	0.6	0.8	10.0	0.01	0.01	3.2
CC143781		2.67	23.0	190	27.0	13.5	<0.001	0.01	0.41	3.2	0.6	0.8	4.1	0.01	<0.01	3.4
CC143782		1.25	22.8	510	22.7	12.2	<0.001	0.02	0.41	3.2	0.5	0.7	16.8	<0.01	<0.01	1.9
CC143783		1.25	4.3	230	12.8	8.8	<0.001	0.01	0.30	0.8	0.3	0.9	6.3	<0.01	<0.01	0.4
CC143784		2.44	19.3	250	30.1	12.4	0.001	0.01	0.42	3.1	0.6	0.9	4.9	0.01	<0.01	3.2
CC143785		1.19	25.2	520	25.6	11.6	<0.001	0.05	0.24	5.0	0.7	0.8	26.3	<0.01	<0.01	3.1
CC143786		1.17	25.4	390	22.4	7.1	<0.001	0.01	0.52	3.0	0.6	0.7	7.8	<0.01	<0.01	1.3

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



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143747		0.015	0.12	0.50	39	0.11	2.37	78	1.1
CC143748		0.022	0.09	0.64	32	0.10	7.68	94	1.2
CC143749		0.016	0.08	0.55	31	0.10	4.12	69	<0.5
CC143750		0.012	0.08	2.40	31	0.16	11.75	83	2.4
CC143751		0.009	0.09	0.92	35	0.12	4.11	80	1.3
CC143752		0.007	0.10	1.50	30	0.11	8.03	89	2.6
CC143753		0.006	0.14	1.84	29	0.09	7.44	105	2.4
CC143754		0.024	0.07	0.59	30	0.13	3.36	71	0.7
CC143755		0.020	0.07	0.58	30	0.11	4.89	86	2.1
CC143756		0.021	0.10	0.68	41	0.17	3.61	73	0.6
CC143757		0.023	0.09	0.66	34	0.13	4.86	87	0.7
CC143758		0.026	0.11	0.52	53	0.19	2.29	28	<0.5
CC143759		0.029	0.12	0.60	44	0.16	2.95	69	1.8
CC143760		0.017	0.11	0.51	43	0.15	2.42	55	1.1
CC143761		0.017	0.15	0.67	41	0.16	2.75	67	1.9
CC143762		0.026	0.11	0.63	42	0.19	3.47	63	0.9
CC143763		0.024	0.14	0.62	49	0.19	3.43	61	1.6
CC143764		0.018	0.15	0.60	55	0.20	2.53	45	0.5
CC143765		0.026	0.13	0.48	62	0.19	2.03	37	0.7
CC143766		0.026	0.08	0.56	33	0.12	2.86	80	1.6
CC143767		0.008	0.14	1.58	31	0.15	25.2	133	2.2
CC143768		0.025	0.08	0.65	36	0.14	6.64	79	<0.5
CC143769		0.009	0.14	1.48	33	0.16	23.9	124	3.5
CC143770		0.018	0.09	0.49	38	0.14	2.12	70	2.4
CC143771		0.019	0.11	0.58	40	0.14	2.98	71	0.8
CC143772		0.024	0.11	0.52	49	0.15	2.41	49	2.2
CC143773		0.042	0.09	0.55	47	0.18	2.68	55	1.5
CC143774		0.021	0.11	0.52	46	0.16	2.13	37	<0.5
CC143775		0.022	0.07	0.52	27	0.09	4.52	91	0.8
CC143776		0.011	0.11	1.79	40	0.14	9.92	62	2.2
CC143777		0.020	0.06	0.55	30	0.11	3.69	76	1.0
CC143778		0.017	0.08	0.57	31	0.12	3.33	69	<0.5
CC143779		0.023	0.07	0.52	31	0.07	5.61	89	0.7
CC143780		0.019	0.10	0.45	43	0.11	2.21	71	1.6
CC143781		0.025	0.09	0.43	42	0.11	1.98	67	2.4
CC143782		0.019	0.11	0.71	41	0.18	4.32	75	0.6
CC143783		0.035	0.11	0.44	48	0.17	1.58	24	<0.5
CC143784		0.026	0.14	0.54	50	0.18	2.36	58	1.5
CC143785		0.010	0.11	1.01	31	0.09	5.90	90	2.4
CC143786		0.023	0.07	0.61	33	0.10	4.68	77	<0.5





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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143787		0.33	0.001	0.05	1.07	8.1	<0.2	<10	60	0.28	0.34	0.02	0.08	15.10	5.4	20
CC143788		0.32	0.003	0.75	2.00	8.7	<0.2	<10	480	1.53	0.34	0.46	0.57	23.9	9.8	29
CC143789		0.19	0.003	0.48	0.72	21.8	<0.2	<10	140	0.60	0.27	0.21	0.70	18.20	8.6	14
CC143790		0.20	0.001	0.05	0.89	7.1	<0.2	<10	80	0.32	0.35	0.02	0.07	16.60	5.2	16
CC143791		0.29	0.002	0.02	1.72	7.3	<0.2	<10	140	0.94	0.36	0.10	0.05	22.5	12.4	30
CC143792		0.17	0.001	0.03	1.05	7.4	<0.2	<10	70	0.30	0.37	0.02	0.04	14.30	4.6	17
CC143793		0.28	0.001	0.02	1.89	7.5	<0.2	<10	140	1.15	0.40	0.13	0.03	14.10	12.6	33
CC143794		0.21	0.002	0.03	1.83	6.7	<0.2	<10	180	1.25	0.40	0.24	0.03	13.55	14.2	35
CC143795		0.19	0.002	0.02	1.70	6.6	<0.2	<10	130	0.99	0.39	0.20	0.02	11.85	12.0	34
CC143796		0.20	0.001	0.04	1.48	8.4	<0.2	<10	150	0.99	0.31	0.08	0.06	14.80	9.2	28
CC143797		0.27	0.002	0.14	1.59	10.0	<0.2	<10	260	1.80	0.34	0.60	0.15	15.15	9.8	29
CC143798		0.26	0.002	0.06	1.47	7.4	<0.2	<10	230	0.77	0.32	0.34	0.06	15.55	9.6	27
CC143799		0.25	0.002	0.10	1.89	9.4	<0.2	<10	300	1.16	0.33	0.20	0.11	30.6	10.2	29
CC143800		0.28	0.001	0.01	1.88	9.4	<0.2	<10	100	0.71	0.36	0.03	0.07	21.1	9.1	30
CC143801		0.16	0.001	0.02	2.18	11.1	<0.2	<10	110	0.84	0.36	0.03	0.08	13.75	12.5	39
CC143802		0.24	0.001	0.04	2.07	10.2	<0.2	<10	100	0.79	0.41	0.03	0.05	9.66	11.2	38
CC143803		0.20	0.005	0.16	1.67	10.0	<0.2	<10	440	1.91	0.32	0.49	0.10	21.5	10.8	32
ZZ02974		0.19	0.001	0.05	1.66	45.0	<0.2	<10	190	1.04	0.24	0.30	0.17	30.1	9.0	26
ZZ02975		0.14	0.003	0.06	1.73	110.5	<0.2	<10	220	0.91	0.27	1.96	0.34	23.0	8.0	59
ZZ02976		0.13	0.002	0.06	1.23	77.9	<0.2	<10	180	0.80	0.26	0.62	0.16	22.0	8.3	17
ZZ02977		0.11	0.002	0.13	1.67	46.4	<0.2	<10	290	0.83	0.27	1.26	0.24	21.3	8.1	25
ZZ02978		0.16	0.001	0.05	1.31	18.0	<0.2	<10	260	0.71	0.28	0.62	0.20	27.8	8.8	19
ZZ02979		0.18	0.005	0.04	1.51	30.1	<0.2	<10	260	1.01	0.27	1.17	0.20	26.1	9.4	24
ZZ02980		0.16	0.005	0.16	1.12	36.6	<0.2	<10	220	0.87	0.28	2.70	0.18	17.80	9.5	21
ZZ02981		0.13	0.003	0.04	1.14	22.1	<0.2	<10	200	0.87	0.25	0.53	0.22	18.70	10.3	19
ZZ02982		0.19	0.006	0.11	1.40	70.0	<0.2	<10	270	1.29	0.31	1.50	0.32	16.80	13.1	21
ZZ02983		0.18	0.007	0.09	1.06	37.6	<0.2	<10	210	0.86	0.26	5.92	0.28	21.7	9.2	14
ZZ02984		0.17	0.004	0.13	1.05	31.0	<0.2	<10	300	0.79	0.27	3.28	0.28	18.35	11.6	17
ZZ02985		0.16	0.003	0.11	1.21	36.3	<0.2	<10	180	0.92	0.29	0.87	0.18	23.7	11.3	20
ZZ02986		0.13	0.003	0.07	1.33	39.9	<0.2	<10	170	0.77	0.25	1.61	0.17	22.2	8.5	16
ZZ02987		0.18	0.003	0.16	1.00	38.4	<0.2	<10	170	0.97	0.37	1.04	0.15	15.70	10.0	15
ZZ02988		0.09	0.005	0.09	0.95	42.9	<0.2	10	190	0.91	0.31	2.09	0.29	17.60	9.6	13
ZZ02989		0.16	0.003	0.11	0.80	36.8	<0.2	<10	180	0.77	0.27	3.03	0.21	14.15	11.9	13
ZZ02990		0.18	0.005	0.10	0.84	36.0	<0.2	<10	190	0.83	0.30	1.39	0.16	18.70	11.4	16
ZZ02991		0.16	0.003	0.13	0.75	28.8	<0.2	<10	140	0.87	0.29	1.79	0.14	15.20	9.9	13
ZZ02992		0.13	0.005	0.12	1.02	32.1	<0.2	<10	290	0.94	0.29	1.45	0.21	14.05	9.6	15
ZZ02993		0.16	0.005	0.12	0.60	35.8	<0.2	<10	140	0.83	0.29	3.22	0.18	10.80	9.7	10
ZZ02994		0.15	0.003	0.06	0.97	70.4	<0.2	<10	180	0.66	0.25	1.15	0.18	15.20	9.2	16
ZZ02995		0.17	0.001	0.01	1.27	17.7	<0.2	<10	130	0.34	0.19	0.11	0.04	14.90	5.9	18
ZZ02996		0.15	0.003	0.04	1.20	15.0	<0.2	<10	140	0.58	0.18	0.86	0.12	15.45	5.2	16

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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143787		2.18	12.1	3.11	6.20	<0.05	<0.02	0.05	0.019	0.06	6.7	8.5	0.18	330	1.36	<0.01
CC143788		7.89	34.6	3.29	5.57	0.07	0.12	0.23	0.037	0.12	11.4	43.4	0.49	993	1.21	<0.01
CC143789		2.54	42.7	3.25	3.06	<0.05	<0.02	0.11	0.028	0.06	7.7	8.1	0.20	271	17.60	<0.01
CC143790		2.87	11.5	2.45	5.59	<0.05	<0.02	0.04	0.020	0.07	7.1	5.9	0.12	352	1.49	<0.01
CC143791		1.06	21.6	3.72	5.84	0.05	0.02	0.04	0.024	0.07	8.9	32.5	0.48	649	0.64	<0.01
CC143792		2.19	11.4	2.58	7.20	<0.05	<0.02	0.02	0.021	0.05	6.4	6.3	0.11	204	1.08	<0.01
CC143793		1.46	28.9	3.92	7.38	<0.05	0.02	0.05	0.029	0.07	5.8	32.7	0.49	576	0.59	<0.01
CC143794		1.31	33.2	4.09	7.10	<0.05	0.05	0.05	0.033	0.10	5.5	32.4	0.59	854	0.40	<0.01
CC143795		1.10	29.5	3.83	6.78	<0.05	0.02	0.05	0.034	0.08	4.6	31.9	0.54	489	0.45	<0.01
CC143796		1.07	24.2	3.33	5.49	<0.05	<0.02	0.02	0.025	0.05	6.0	26.9	0.44	439	0.85	<0.01
CC143797		3.00	58.4	3.46	5.15	<0.05	0.07	0.06	0.031	0.09	6.1	29.7	0.49	568	0.75	<0.01
CC143798		1.06	13.8	3.07	5.71	<0.05	0.06	0.04	0.024	0.06	6.5	28.5	0.47	388	0.81	<0.01
CC143799		2.38	16.4	3.24	5.84	0.05	0.03	0.04	0.034	0.07	12.8	25.5	0.41	568	0.97	<0.01
CC143800		2.00	16.5	3.54	7.31	<0.05	0.03	0.03	0.030	0.06	8.9	27.4	0.36	352	1.19	<0.01
CC143801		1.70	15.7	4.34	6.46	<0.05	0.09	0.03	0.038	0.06	6.1	41.3	0.46	450	1.20	<0.01
CC143802		2.06	25.6	5.03	7.63	<0.05	0.04	0.04	0.041	0.07	4.2	39.4	0.42	479	0.88	<0.01
CC143803		6.09	39.2	3.26	4.95	0.05	0.11	0.10	0.035	0.10	9.6	25.6	0.59	573	0.79	<0.01
ZZ02974		0.70	13.0	3.62	5.06	<0.05	0.08	0.15	0.033	0.05	12.5	15.1	0.38	799	1.10	<0.01
ZZ02975		0.70	10.5	4.08	4.64	<0.05	0.06	0.10	0.034	0.06	9.7	17.2	1.15	2190	0.77	0.01
ZZ02976		0.53	15.6	3.11	3.83	<0.05	0.05	0.15	0.032	0.05	7.7	11.4	0.35	1430	0.70	<0.01
ZZ02977		0.89	17.4	3.21	4.97	<0.05	0.05	0.12	0.035	0.06	11.3	17.6	0.64	778	0.82	<0.01
ZZ02978		0.62	11.3	3.10	4.13	<0.05	0.05	0.06	0.032	0.09	10.0	10.8	0.23	1120	0.60	<0.01
ZZ02979		0.62	16.0	3.51	4.49	<0.05	0.07	0.12	0.034	0.08	12.3	15.5	0.66	752	0.85	<0.01
ZZ02980		1.02	30.5	3.40	3.37	<0.05	0.06	0.36	0.031	0.09	8.5	15.5	1.22	675	1.09	<0.01
ZZ02981		0.46	16.5	3.08	3.90	<0.05	0.07	0.14	0.029	0.09	8.2	14.2	0.29	416	1.44	<0.01
ZZ02982		0.75	29.8	3.70	4.09	<0.05	0.08	0.39	0.035	0.12	8.0	14.6	0.65	659	1.92	<0.01
ZZ02983		0.83	21.2	3.26	3.08	0.05	0.07	0.56	0.025	0.08	11.3	12.7	2.88	804	0.59	0.01
ZZ02984		0.79	28.3	3.22	3.31	0.05	0.07	0.34	0.030	0.11	7.9	15.0	1.22	646	0.94	<0.01
ZZ02985		0.51	22.1	3.34	4.02	0.09	0.08	0.24	0.032	0.16	10.9	13.2	0.43	931	0.75	<0.01
ZZ02986		0.55	11.9	3.59	4.21	0.08	0.06	0.17	0.029	0.08	9.6	13.0	0.84	1620	0.64	<0.01
ZZ02987		1.02	24.3	3.42	3.17	0.09	0.07	0.32	0.038	0.09	7.6	12.1	0.30	465	0.67	<0.01
ZZ02988		0.89	21.3	2.86	2.90	0.08	0.06	0.26	0.032	0.10	7.4	8.9	0.34	571	0.61	<0.01
ZZ02989		0.96	32.4	3.02	2.80	0.08	0.05	0.55	0.030	0.07	6.3	12.7	0.72	819	0.69	<0.01
ZZ02990		1.08	25.7	3.25	2.86	0.09	0.05	0.36	0.034	0.07	7.4	13.7	0.46	788	0.80	<0.01
ZZ02991		0.98	21.7	3.00	2.38	0.08	0.06	0.29	0.033	0.07	7.0	9.5	0.67	526	0.70	<0.01
ZZ02992		0.74	26.3	3.05	3.17	0.09	0.06	0.33	0.031	0.06	7.2	12.8	0.39	609	0.60	<0.01
ZZ02993		1.97	23.2	2.80	1.97	0.07	0.04	0.41	0.028	0.07	5.0	7.3	0.72	484	0.54	<0.01
ZZ02994		0.78	19.1	3.08	3.24	0.08	0.05	0.40	0.032	0.06	6.6	12.6	0.42	555	0.59	<0.01
ZZ02995		0.62	7.0	2.43	4.47	0.06	0.04	0.04	0.020	0.04	7.4	18.8	0.24	176	0.75	<0.01
ZZ02996		0.91	7.0	2.36	3.54	0.06	0.04	0.05	0.022	0.04	6.6	18.0	0.20	291	0.52	<0.01

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To: STRATEGIC METALS LTD.  
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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143787		1.70	10.4	290	17.6	14.4	<0.001	0.01	0.51	1.6	0.6	0.9	4.3	<0.01	<0.01	1.2
CC143788		0.80	30.7	1060	24.4	20.2	0.003	0.05	0.57	5.9	2.7	0.7	44.0	<0.01	<0.01	2.5
CC143789		0.37	29.5	700	18.5	10.3	0.002	0.03	5.89	1.1	1.9	0.5	19.6	<0.01	0.05	0.2
CC143790		1.35	9.2	260	15.4	18.9	<0.001	0.01	0.51	1.5	0.2	0.8	5.0	<0.01	0.01	0.5
CC143791		0.88	23.7	310	24.1	8.3	0.001	0.01	0.39	3.2	0.8	0.6	7.8	<0.01	<0.01	3.2
CC143792		1.58	8.0	220	15.0	10.0	<0.001	0.01	0.42	1.6	0.4	0.9	3.9	<0.01	<0.01	0.9
CC143793		1.14	24.5	190	23.6	12.0	<0.001	0.01	0.32	3.8	0.8	0.8	9.8	<0.01	<0.01	2.9
CC143794		0.89	29.3	220	24.1	10.1	<0.001	0.01	0.26	5.3	0.5	0.9	11.3	<0.01	<0.01	4.4
CC143795		1.06	26.2	180	23.0	8.8	<0.001	<0.01	0.28	4.0	0.5	0.8	9.3	<0.01	<0.01	3.5
CC143796		1.50	18.4	220	18.4	8.5	<0.001	0.01	0.31	2.7	0.5	0.7	6.9	<0.01	<0.01	1.8
CC143797		1.12	21.6	640	19.4	12.9	<0.001	0.05	0.46	3.7	0.8	0.7	25.2	<0.01	<0.01	1.5
CC143798		1.48	17.8	420	21.3	9.7	<0.001	0.04	0.35	3.1	0.5	0.8	16.8	<0.01	<0.01	1.9
CC143799		1.22	21.5	570	22.2	14.0	<0.001	0.01	0.49	3.3	0.6	0.8	12.5	<0.01	<0.01	2.5
CC143800		1.69	19.0	150	22.0	12.4	<0.001	0.01	0.56	3.1	0.7	0.9	5.6	<0.01	0.01	3.5
CC143801		2.83	23.8	210	23.2	14.4	<0.001	0.01	0.53	3.3	0.9	0.9	5.0	0.01	<0.01	3.5
CC143802		3.39	23.0	280	27.8	18.1	<0.001	0.01	0.38	3.8	0.6	1.0	4.8	<0.01	<0.01	2.9
CC143803		0.96	26.7	720	21.2	13.1	0.001	0.04	0.52	6.0	1.3	0.7	22.4	<0.01	0.01	2.7
ZZ02974		0.81	19.9	140	24.4	6.3	0.001	0.01	0.82	5.1	0.8	0.6	9.4	<0.01	0.01	4.3
ZZ02975		0.92	15.7	370	26.6	6.8	<0.001	0.04	1.16	3.7	0.6	0.6	14.6	<0.01	0.01	2.5
ZZ02976		0.71	14.5	240	25.5	7.4	0.001	0.02	0.61	3.9	0.5	0.5	9.1	<0.01	<0.01	2.6
ZZ02977		0.85	19.5	460	22.5	7.1	0.001	0.03	0.84	4.3	0.9	0.5	19.2	<0.01	<0.01	1.8
ZZ02978		0.74	14.8	160	23.3	7.2	<0.001	0.01	0.44	3.6	0.6	0.5	17.9	<0.01	<0.01	3.3
ZZ02979		0.91	20.1	170	23.9	7.0	<0.001	0.01	0.65	5.6	0.9	0.5	22.7	<0.01	0.02	4.2
ZZ02980		0.62	23.6	460	29.9	6.3	0.001	0.02	0.77	5.4	0.9	0.5	52.7	<0.01	<0.01	2.8
ZZ02981		0.58	23.1	150	24.4	9.2	<0.001	0.01	0.58	4.3	0.7	0.5	15.9	<0.01	<0.01	3.1
ZZ02982		0.35	33.1	310	28.3	8.4	<0.001	0.02	0.88	6.1	1.4	0.6	21.6	<0.01	<0.01	3.1
ZZ02983		0.40	19.2	740	28.2	6.1	<0.001	0.05	1.41	4.3	1.1	0.5	46.6	<0.01	0.02	1.8
ZZ02984		0.58	25.0	570	27.8	6.7	<0.001	0.03	0.87	4.8	0.8	0.5	51.1	<0.01	<0.01	2.9
ZZ02985		0.76	24.7	270	28.4	10.2	<0.001	0.03	0.77	5.8	0.8	0.5	18.7	0.01	0.03	4.7
ZZ02986		0.72	15.3	270	25.3	7.0	<0.001	0.03	0.86	4.0	0.5	0.5	13.0	<0.01	0.03	3.7
ZZ02987		0.48	24.5	350	29.8	8.8	<0.001	0.03	0.61	4.9	1.3	0.5	47.7	<0.01	0.03	2.7
ZZ02988		0.47	20.3	500	28.7	8.9	<0.001	0.06	1.09	3.4	1.3	0.4	54.2	<0.01	0.03	1.5
ZZ02989		0.58	26.0	480	27.1	6.8	<0.001	0.06	0.68	3.8	1.0	0.4	80.1	<0.01	0.03	1.7
ZZ02990		0.85	27.9	280	29.2	7.3	<0.001	0.04	0.66	5.0	0.9	0.4	51.1	<0.01	0.03	2.8
ZZ02991		0.52	25.2	290	22.6	5.8	<0.001	0.03	0.56	4.9	0.8	0.4	49.1	<0.01	0.02	2.8
ZZ02992		0.56	25.2	440	24.5	6.5	<0.001	0.04	0.66	4.0	1.0	0.4	47.4	<0.01	0.03	1.6
ZZ02993		0.41	24.8	480	24.9	8.2	<0.001	0.05	0.82	3.9	1.0	0.4	67.6	<0.01	0.02	1.8
ZZ02994		0.69	18.6	300	28.2	6.7	<0.001	0.03	1.13	4.2	0.6	0.4	23.4	<0.01	0.03	2.8
ZZ02995		0.76	12.3	90	17.9	7.4	<0.001	0.01	0.38	2.1	0.2	0.5	7.2	<0.01	0.02	2.9
ZZ02996		0.90	12.5	210	16.6	7.3	<0.001	0.03	0.34	2.6	0.4	0.4	27.1	<0.01	0.02	2.6

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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143787		0.026	0.10	0.45	42	0.15	1.51	48	<0.5
CC143788		0.009	0.15	2.97	32	0.07	16.45	150	2.8
CC143789		0.007	0.23	1.24	23	0.07	4.55	138	<0.5
CC143790		0.020	0.11	0.47	41	0.13	1.70	47	<0.5
CC143791		0.016	0.07	0.67	31	0.11	4.25	77	0.5
CC143792		0.017	0.11	0.40	44	0.13	1.46	30	<0.5
CC143793		0.014	0.08	0.51	35	0.07	3.53	76	0.5
CC143794		0.018	0.09	0.61	31	0.08	5.29	91	1.5
CC143795		0.019	0.08	0.56	31	0.08	3.00	82	0.6
CC143796		0.023	0.07	0.73	35	0.12	3.33	71	<0.5
CC143797		0.014	0.08	1.30	33	0.11	8.14	90	1.6
CC143798		0.019	0.08	0.60	38	0.13	3.08	57	1.4
CC143799		0.019	0.12	0.83	46	0.21	6.50	73	0.8
CC143800		0.016	0.12	0.60	47	0.16	2.54	58	1.1
CC143801		0.029	0.11	0.59	47	0.17	2.27	71	3.1
CC143802		0.017	0.11	0.54	44	0.14	2.17	77	1.7
CC143803		0.015	0.11	1.36	37	0.14	14.70	80	2.6
ZZ02974		0.010	0.19	0.72	44	0.11	7.75	89	2.8
ZZ02975		0.013	0.25	0.80	37	0.11	7.88	99	1.9
ZZ02976		0.010	0.11	0.63	29	0.10	5.70	70	1.5
ZZ02977		0.018	0.13	0.97	41	0.16	8.67	76	1.2
ZZ02978		0.009	0.12	0.79	33	0.08	2.97	57	1.5
ZZ02979		0.013	0.12	0.75	39	0.11	9.23	73	2.1
ZZ02980		0.012	0.11	0.90	31	0.11	11.55	92	1.7
ZZ02981		0.006	0.11	0.77	35	0.07	8.32	92	2.2
ZZ02982		<0.005	0.24	0.59	41	0.05	13.45	119	2.2
ZZ02983		0.005	0.18	0.77	22	0.09	12.25	73	1.9
ZZ02984		0.010	0.20	0.83	27	0.10	9.50	103	2.1
ZZ02985		0.008	0.14	0.46	27	0.12	12.25	77	2.4
ZZ02986		0.006	0.14	0.62	26	0.10	8.44	63	2.0
ZZ02987		<0.005	0.15	1.33	20	0.09	10.40	98	1.6
ZZ02988		<0.005	0.18	1.45	20	0.09	10.20	72	1.5
ZZ02989		0.006	0.15	1.53	17	0.07	8.67	95	1.4
ZZ02990		0.009	0.15	0.80	21	0.09	9.24	90	1.3
ZZ02991		0.005	0.10	0.72	17	0.10	9.96	87	1.4
ZZ02992		0.006	0.09	1.31	21	0.09	10.15	81	1.4
ZZ02993		<0.005	0.16	2.09	13	0.06	7.41	94	1.2
ZZ02994		0.007	0.14	2.06	21	0.10	6.25	131	1.3
ZZ02995		0.008	0.11	0.30	31	0.10	1.68	46	1.4
ZZ02996		0.010	0.09	1.68	29	0.11	2.67	78	1.2



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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ02997		0.14	0.002	0.03	1.13	31.2	<0.2	<10	150	0.71	0.24	0.32	0.17	23.1	9.5	20
ZZ02998		0.10	0.005	0.17	0.84	66.5	<0.2	<10	250	0.90	0.29	2.82	0.50	13.45	12.2	17
ZZ02999		0.13	0.005	0.11	1.05	58.1	<0.2	<10	340	1.10	0.32	1.41	0.78	14.15	13.9	18
ZZ03000		0.13	0.002	0.07	0.50	68.5	<0.2	<10	170	0.65	0.23	5.70	0.31	11.05	11.4	9
DD011301		0.15	0.003	0.13	0.71	62.0	<0.2	<10	220	0.80	0.28	1.16	0.53	14.20	12.6	14
DD011302		0.16	0.004	0.13	1.03	59.8	<0.2	<10	250	1.13	0.33	0.64	0.17	15.70	15.3	19
DD011303		0.17	0.001	0.17	1.00	61.1	<0.2	<10	240	1.00	0.33	1.29	0.43	14.75	13.6	18
DD011304		0.17	0.010	0.10	0.58	45.4	<0.2	<10	260	0.66	0.19	4.05	0.40	13.30	11.3	10
DD011305		0.18	0.005	0.11	1.19	109.0	<0.2	10	310	0.87	0.28	1.68	0.31	13.35	11.2	19
DD011306		0.15	0.002	0.04	1.78	40.3	<0.2	<10	210	0.78	0.25	0.61	0.23	26.6	8.8	25
DD011307		0.20	0.003	0.09	0.95	49.1	<0.2	<10	280	0.70	0.25	2.86	0.21	15.65	12.7	17
DD011308		0.19	0.003	0.08	1.12	114.0	<0.2	<10	180	0.83	0.27	0.60	0.10	14.65	8.9	20
DD011309		0.19	0.004	0.08	1.14	84.6	<0.2	<10	180	0.75	0.26	1.94	0.11	15.65	10.0	18
DD011310		0.18	0.005	0.10	0.93	58	<0.2	<10	150	0.57	0.12	10.55	0.33	10.70	5.9	10
DD011311		0.17	0.003	0.07	2.40	84.3	<0.2	<10	210	1.31	0.28	2.15	0.29	29.2	11.0	29
DD011312		0.22	0.003	0.10	0.62	156	<0.2	<10	100	0.61	0.08	13.45	0.19	7.39	3.9	5
DD011313		0.20	0.003	0.07	1.50	185.0	<0.2	<10	210	1.16	0.27	2.10	0.10	23.0	11.0	25
DD011314		0.19	0.001	0.02	1.93	25.3	<0.2	<10	180	0.63	0.20	0.20	0.07	22.9	8.4	23
DD011315		0.16	0.001	0.04	1.64	43.2	<0.2	<10	330	0.86	0.24	0.19	0.04	25.6	9.4	22
DD011316		0.14	0.005	0.03	0.48	82.7	<0.2	<10	380	0.29	0.22	1.50	0.09	8.95	5.8	11
DD011317		0.12	0.002	0.03	0.45	14.0	<0.2	<10	310	0.35	0.24	1.11	0.17	27.6	7.1	11
DD011318		0.19	0.001	0.07	0.55	20.0	<0.2	<10	60	0.38	0.18	0.11	0.22	11.65	5.8	9
DD011319		0.16	0.001	0.07	1.43	36.4	<0.2	<10	330	0.69	0.31	0.43	0.14	21.4	9.0	21
DD011320		0.14	0.005	0.13	1.10	58.4	<0.2	10	250	0.87	0.29	2.39	0.54	14.50	9.9	19
DD011321		0.19	0.002	0.12	1.07	35.7	<0.2	<10	210	0.93	0.26	1.26	0.49	15.80	9.5	18
DD011322		0.17	0.001	0.03	1.34	31.5	<0.2	<10	210	0.77	0.28	0.09	0.11	18.90	8.7	20
DD011323		0.23	0.006	0.17	1.44	23.6	<0.2	<10	370	0.79	0.27	1.00	0.17	26.0	12.9	23
DD011324		0.18	0.006	0.15	1.08	30.8	<0.2	<10	270	0.96	0.28	2.23	0.22	19.15	12.9	17
DD011325		0.21	0.001	0.10	1.40	20.9	<0.2	<10	320	0.93	0.35	0.71	0.18	22.1	15.0	25
DD011326		0.18	0.002	0.10	1.26	25.7	<0.2	<10	250	0.85	0.33	1.49	0.19	20.7	14.8	25
DD011327		0.19	0.002	0.13	1.04	24.3	<0.2	<10	220	0.71	0.27	0.49	0.17	23.1	12.0	19
DD011328		0.16	0.003	0.10	0.77	42.4	<0.2	<10	110	0.59	0.20	2.35	0.15	18.15	7.9	13
DD011329		0.16	0.001	0.07	1.10	23.1	<0.2	<10	110	0.43	0.21	0.18	0.04	16.35	6.9	16
DD011330		0.18	0.002	0.02	1.20	13.9	<0.2	<10	120	0.47	0.18	0.13	0.03	17.25	6.6	18
DD011331		0.21	0.005	0.10	1.01	30.2	<0.2	<10	140	0.86	0.25	1.23	0.20	26.6	11.6	18
DD011332		0.17	0.002	0.08	1.00	16.2	<0.2	<10	150	0.75	0.22	1.01	0.10	26.7	9.5	16
DD011333		0.16	0.004	0.11	0.70	21.3	<0.2	<10	100	0.80	0.19	1.38	0.11	21.7	7.7	13
DD011334		0.19	0.005	0.14	0.63	18.6	<0.2	<10	110	0.75	0.24	2.40	0.16	25.4	8.0	11
DD011335		0.18	0.002	0.11	0.72	10.2	<0.2	<10	170	0.63	0.25	1.44	0.13	23.7	7.9	12
DD011336		0.20	0.004	0.16	0.94	9.8	<0.2	<10	210	0.71	0.27	1.47	0.12	16.50	9.4	16



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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ02997		1.03	12.1	2.94	3.77	0.08	0.06	0.43	0.029	0.08	9.0	18.4	0.27	504	0.73	<0.01
ZZ02998		2.61	31.9	2.92	3.01	0.09	0.07	0.69	0.029	0.10	6.5	12.4	0.96	730	1.05	<0.01
ZZ02999		1.67	36.3	3.31	3.58	0.09	0.07	0.57	0.034	0.12	6.6	13.3	0.28	647	1.36	<0.01
ZZ03000		2.73	22.5	2.46	1.89	0.07	0.05	0.63	0.022	0.08	5.1	8.5	3.21	767	0.78	<0.01
DD011301		1.98	25.3	2.97	2.64	0.08	0.06	1.60	0.030	0.09	5.9	9.7	0.29	821	1.16	<0.01
DD011302		1.88	29.4	3.53	3.64	0.09	0.07	0.58	0.035	0.09	7.2	12.3	0.29	568	1.36	<0.01
DD011303		1.70	34.1	3.49	3.57	0.09	0.06	0.68	0.034	0.10	7.1	13.3	0.46	683	1.22	<0.01
DD011304		1.19	19.3	2.71	2.09	0.07	0.04	0.45	0.023	0.06	5.7	7.9	1.69	1460	0.93	<0.01
DD011305		2.85	32.3	3.15	3.99	0.08	0.06	0.67	0.032	0.09	6.4	16.4	0.37	753	0.70	<0.01
DD011306		1.26	11.4	3.78	5.53	0.09	0.04	0.19	0.032	0.04	10.5	19.5	0.46	655	1.15	<0.01
DD011307		0.72	36.5	3.30	3.55	0.09	0.05	0.61	0.032	0.06	7.0	16.0	1.45	1300	0.53	<0.01
DD011308		0.64	29.6	3.72	3.65	0.10	0.05	0.97	0.036	0.06	7.9	15.2	0.31	630	0.65	<0.01
DD011309		0.81	27.2	3.43	3.73	0.09	0.06	0.38	0.033	0.07	8.5	14.4	0.99	860	0.69	<0.01
DD011310		0.84	11.7	3.05	2.69	0.07	0.05	0.59	0.015	0.04	5.4	8.5	6.16	1980	0.65	0.01
DD011311		1.21	11.4	5.25	7.14	0.13	0.10	0.73	0.038	0.07	14.6	19.2	1.64	2690	0.72	<0.01
DD011312		0.40	7.4	2.74	1.86	0.06	0.04	5.07	0.013	0.02	3.7	6.1	7.89	1650	0.40	0.01
DD011313		1.21	14.6	3.90	4.61	0.10	0.08	0.48	0.036	0.06	13.1	14.9	1.38	1260	0.70	<0.01
DD011314		1.47	6.4	2.86	5.52	0.08	0.06	0.13	0.030	0.03	9.8	16.6	0.33	317	0.50	<0.01
DD011315		2.64	9.6	2.98	5.39	0.09	0.05	0.09	0.028	0.06	11.8	18.8	0.29	411	0.63	<0.01
DD011316		1.57	13.9	1.99	2.45	0.05	0.02	0.12	0.016	0.07	4.1	2.8	0.19	514	0.57	<0.01
DD011317		8.52	9.7	1.85	1.93	0.07	0.02	0.07	0.011	0.07	13.0	3.4	0.13	1100	0.35	<0.01
DD011318		8.76	11.8	2.10	2.60	0.05	<0.02	0.07	0.020	0.09	5.2	5.3	0.07	238	0.75	<0.01
DD011319		1.44	13.3	3.05	4.74	0.08	0.04	0.09	0.033	0.07	9.8	17.0	0.31	689	0.65	<0.01
DD011320		1.14	26.8	2.81	3.72	0.08	0.07	0.59	0.033	0.09	6.8	16.6	0.85	396	0.65	<0.01
DD011321		1.18	24.3	2.31	3.47	0.05	0.07	0.63	0.030	0.09	6.4	17.5	0.32	287	0.40	<0.01
DD011322		1.27	11.7	3.05	4.41	<0.05	0.03	0.16	0.029	0.05	7.6	23.5	0.25	504	0.88	<0.01
DD011323		0.92	18.0	3.11	4.41	0.05	0.04	0.23	0.030	0.05	10.7	18.6	0.38	1020	0.73	<0.01
DD011324		0.71	42.7	3.19	3.34	<0.05	0.04	0.62	0.028	0.06	8.4	18.5	0.90	1340	0.57	<0.01
DD011325		0.85	32.9	3.54	4.50	0.05	0.07	0.29	0.028	0.08	8.9	28.2	0.63	671	0.49	<0.01
DD011326		1.00	36.1	3.63	4.09	<0.05	0.07	0.39	0.028	0.09	8.2	21.5	0.80	1300	0.72	<0.01
DD011327		0.88	25.2	2.96	3.50	0.05	0.04	0.30	0.029	0.05	9.3	17.6	0.34	766	0.47	<0.01
DD011328		0.79	14.0	2.28	2.28	<0.05	0.04	0.46	0.021	0.05	6.9	10.5	1.13	521	0.38	<0.01
DD011329		1.13	9.2	2.47	3.69	<0.05	0.04	0.06	0.021	0.05	6.7	17.5	0.19	185	0.52	<0.01
DD011330		0.94	8.8	2.11	3.83	<0.05	0.05	0.13	0.019	0.03	7.1	15.5	0.23	173	0.40	<0.01
DD011331		2.17	19.2	2.80	3.48	<0.05	0.05	0.46	0.027	0.07	10.3	17.6	0.47	569	0.56	<0.01
DD011332		1.54	10.1	2.44	2.99	<0.05	0.04	0.25	0.029	0.05	7.3	12.5	0.20	418	0.41	<0.01
DD011333		1.41	10.8	2.20	2.07	<0.05	0.03	0.34	0.022	0.07	7.8	10.5	0.17	397	0.28	<0.01
DD011334		1.46	12.8	2.22	1.87	0.05	0.05	0.67	0.028	0.07	8.5	7.2	0.14	322	0.37	<0.01
DD011335		0.87	12.3	2.30	2.14	0.05	0.04	0.25	0.025	0.06	8.4	9.8	0.16	425	0.42	<0.01
DD011336		2.47	19.6	2.76	3.04	<0.05	0.03	0.14	0.028	0.07	5.6	23.5	0.22	277	0.55	<0.01

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



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
ZZ02997		0.87	19.1	120	22.6	9.8	<0.001	0.02	0.60	3.6	0.4	0.4	17.7	<0.01	0.02	4.9
ZZ02998		0.50	29.5	650	26.5	11.9	0.001	0.06	1.10	4.9	1.3	0.4	41.8	<0.01	0.03	2.4
ZZ02999		0.55	34.7	670	26.1	11.8	0.001	0.06	1.11	5.1	1.3	0.5	39.1	<0.01	0.04	2.7
ZZ03000		0.38	20.1	530	21.9	8.0	0.001	0.05	1.08	3.7	0.8	0.3	37.7	<0.01	0.03	2.3
DD011301		0.37	24.0	690	23.8	9.4	<0.001	0.05	1.05	3.9	0.9	0.4	27.1	<0.01	0.03	2.0
DD011302		0.46	28.9	340	28.7	10.5	<0.001	0.02	0.93	5.4	1.0	0.5	18.9	<0.01	0.04	3.4
DD011303		0.47	29.6	620	28.5	10.3	<0.001	0.03	0.87	5.2	1.1	0.5	30.9	<0.01	0.04	2.9
DD011304		0.34	19.1	560	19.9	6.7	<0.001	0.06	0.89	2.9	0.8	0.3	45.8	<0.01	0.03	1.2
DD011305		0.74	22.5	660	26.2	15.8	<0.001	0.07	1.26	4.1	1.2	0.5	47.9	<0.01	0.04	1.5
DD011306		1.19	20.4	270	37.4	9.0	<0.001	0.02	1.03	4.0	0.5	0.6	12.5	<0.01	0.03	4.2
DD011307		1.10	25.2	530	26.2	6.0	<0.001	0.03	1.12	5.1	0.6	0.4	41.6	<0.01	0.02	3.4
DD011308		0.93	21.2	410	28.8	6.7	<0.001	0.03	1.84	5.5	0.6	0.4	21.6	0.01	0.03	2.8
DD011309		0.98	21.7	400	28.0	9.0	<0.001	0.03	1.25	5.1	0.6	0.4	30.9	0.01	0.02	3.3
DD011310		0.49	12.3	1240	12.4	7.7	<0.001	0.08	49.9	1.5	0.8	0.2	28.6	0.01	0.03	0.6
DD011311		1.23	24.5	410	28.4	13.8	<0.001	0.03	3.92	5.8	0.6	0.7	13.6	0.01	0.06	4.3
DD011312		0.41	7.9	880	19.1	5.0	<0.001	0.03	14.50	1.4	0.6	0.2	52.1	<0.01	0.03	0.5
DD011313		1.21	22.0	250	19.9	10.6	<0.001	0.02	1.53	6.2	0.6	0.5	13.3	0.01	0.05	4.7
DD011314		0.93	13.6	100	17.1	7.5	<0.001	0.01	0.71	3.1	0.2	0.7	7.6	<0.01	0.02	3.7
DD011315		1.20	19.5	160	16.2	12.9	<0.001	0.01	0.67	3.5	0.4	0.6	12.2	<0.01	0.03	3.9
DD011316		0.69	9.8	210	10.5	6.9	<0.001	0.04	0.54	1.9	0.4	0.4	45.4	<0.01	0.04	1.2
DD011317		0.72	7.2	280	9.6	14.2	<0.001	0.04	0.42	2.1	0.5	0.3	35.6	<0.01	0.03	2.0
DD011318		0.77	7.7	270	9.5	14.9	<0.001	0.02	0.68	1.9	0.3	0.4	6.4	<0.01	0.04	1.5
DD011319		1.01	16.7	240	23.6	10.4	<0.001	0.02	1.38	4.2	0.4	0.6	16.2	<0.01	0.03	3.6
DD011320		0.68	22.5	600	25.5	10.8	0.002	0.10	0.88	4.3	1.6	0.5	39.6	<0.01	0.03	2.5
DD011321		0.59	20.8	570	26.8	10.7	0.003	0.16	0.91	4.3	1.3	0.5	48.9	<0.01	0.03	2.4
DD011322		1.00	17.0	180	30.2	13.2	<0.001	0.01	2.14	3.0	0.2	0.5	8.8	<0.01	0.03	3.2
DD011323		0.72	22.2	810	26.0	7.5	<0.001	0.04	1.06	3.6	1.0	0.5	44.7	<0.01	0.03	1.7
DD011324		0.89	22.8	550	41.2	6.5	<0.001	0.04	1.43	5.3	0.9	0.4	53.4	<0.01	0.04	2.4
DD011325		1.21	27.6	430	31.1	7.7	<0.001	0.02	0.90	5.2	0.8	0.5	19.6	<0.01	0.04	4.7
DD011326		1.24	27.7	560	32.6	6.9	<0.001	0.03	1.40	5.0	0.7	0.5	34.3	<0.01	0.02	4.1
DD011327		1.00	21.6	350	27.8	5.6	<0.001	0.02	1.25	3.8	0.7	0.4	20.2	<0.01	0.02	2.8
DD011328		0.61	15.0	350	25.4	4.6	<0.001	0.02	1.26	3.3	0.4	0.3	23.9	<0.01	0.01	2.1
DD011329		1.07	12.7	110	24.0	8.3	<0.001	0.02	0.72	2.0	0.3	0.5	9.3	<0.01	0.03	2.8
DD011330		1.05	14.0	90	17.6	8.1	<0.001	0.01	0.54	2.5	0.2	0.5	8.1	<0.01	0.02	2.9
DD011331		0.89	23.7	380	36.3	7.3	<0.001	0.03	0.80	4.4	0.8	0.4	40.6	<0.01	0.03	2.9
DD011332		0.64	15.2	210	62.2	6.1	<0.001	0.04	0.33	3.0	0.5	0.4	40.2	<0.01	0.03	2.8
DD011333		0.42	15.2	440	22.0	5.6	<0.001	0.04	0.70	3.2	0.7	0.3	42.8	<0.01	0.01	2.0
DD011334		0.42	17.6	610	21.7	6.1	<0.001	0.07	0.44	3.7	0.8	0.3	90.4	<0.01	0.02	2.4
DD011335		0.49	16.9	370	21.6	5.6	<0.001	0.05	0.39	3.2	0.9	0.3	58.4	<0.01	0.03	2.1
DD011336		0.56	26.1	410	20.3	8.8	<0.001	0.06	0.48	3.9	0.6	0.5	79.8	<0.01	0.03	2.1



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ02997		0.011	0.16	0.82	29	0.10	4.99	94	2.4
ZZ02998		0.005	0.25	1.55	26	0.10	10.30	165	2.0
ZZ02999		0.005	0.21	2.76	29	0.08	10.70	182	2.1
ZZ03000		<0.005	0.23	0.84	16	0.06	6.97	130	1.5
DD011301		<0.005	0.19	1.34	26	0.07	7.62	186	1.6
DD011302		<0.005	0.18	1.23	31	0.07	10.00	139	1.9
DD011303		0.005	0.19	1.29	31	0.09	10.65	151	1.6
DD011304		<0.005	0.15	1.66	18	0.06	8.09	97	1.3
DD011305		0.008	0.19	2.52	25	0.11	7.20	289	1.4
DD011306		0.009	0.20	0.70	45	0.17	6.07	671	1.4
DD011307		0.012	0.12	0.61	20	0.08	8.73	117	1.5
DD011308		0.008	0.20	0.91	25	0.10	8.99	88	1.2
DD011309		0.009	0.16	0.73	24	0.10	9.63	83	1.5
DD011310		0.011	0.39	1.21	20	0.12	7.69	77	1.3
DD011311		0.015	0.44	0.90	51	0.21	13.25	120	3.0
DD011312		0.008	0.64	0.91	13	0.10	7.30	48	1.2
DD011313		0.015	0.20	0.83	34	0.21	11.95	64	2.6
DD011314		0.010	0.18	0.52	34	0.12	2.56	87	2.0
DD011315		0.012	0.18	0.62	38	0.15	4.56	64	1.4
DD011316		0.017	0.05	0.67	23	0.14	1.66	19	0.5
DD011317		0.019	0.07	0.97	15	0.12	3.28	13	0.5
DD011318		0.010	0.10	0.28	18	0.09	1.49	34	<0.5
DD011319		0.012	0.23	0.63	33	0.13	5.36	60	1.3
DD011320		0.006	0.30	2.32	26	0.08	9.07	208	2.1
DD011321		0.007	0.28	2.54	26	0.16	7.67	191	1.7
DD011322		0.011	0.16	0.54	30	0.10	3.39	76	1.3
DD011323		0.016	0.10	1.54	36	0.17	7.35	70	1.1
DD011324		0.011	0.10	0.72	21	0.09	10.30	93	1.2
DD011325		0.018	0.11	0.64	25	0.10	7.41	93	2.1
DD011326		0.018	0.11	0.87	24	0.09	7.52	111	2.2
DD011327		0.016	0.11	0.77	22	0.19	6.36	75	1.2
DD011328		0.009	0.11	0.71	17	0.08	6.09	53	1.0
DD011329		0.011	0.08	0.32	27	0.07	1.77	36	1.6
DD011330		0.012	0.10	0.31	25	0.07	2.02	37	1.9
DD011331		0.012	0.26	0.67	22	0.12	8.53	89	1.6
DD011332		0.007	0.11	0.46	21	0.07	3.70	100	1.5
DD011333		0.007	0.06	0.50	16	0.06	6.68	37	1.2
DD011334		0.006	0.09	0.80	15	0.06	9.15	45	1.7
DD011335		0.008	0.07	0.56	16	0.06	7.43	59	1.0
DD011336		0.010	0.10	0.67	17	0.06	7.62	75	1.0





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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ02566		0.19	0.003	0.15	1.12	47.1	<0.2	<10	250	1.12	0.29	2.00	0.39	15.15	12.0	17
ZZ02567		0.17	0.004	0.09	1.12	44.3	<0.2	<10	170	1.03	0.25	4.41	0.30	15.00	8.9	15
ZZ02568		0.22	0.002	0.09	1.30	39.4	<0.2	<10	250	1.27	0.33	2.17	0.20	20.8	15.9	19
ZZ02569		0.18	0.004	0.07	1.54	44.9	<0.2	<10	200	1.41	0.34	1.03	0.17	24.2	14.3	23
ZZ02570		0.21	0.002	0.05	1.56	29.4	<0.2	<10	180	0.98	0.30	0.31	0.18	23.4	12.6	26
ZZ02571		0.19	0.002	0.03	1.77	17.7	<0.2	<10	170	0.74	0.27	0.22	0.10	14.35	10.8	27
ZZ02572		0.20	0.004	0.11	1.11	29.5	<0.2	<10	140	0.94	0.36	2.87	0.20	17.55	12.4	18
ZZ02573		0.12	0.009	0.11	0.85	23.2	<0.2	<10	190	0.72	0.23	2.75	0.24	12.55	8.7	13
ZZ02574		0.16	0.009	0.16	0.98	28.5	<0.2	10	390	0.81	0.24	2.86	0.49	12.60	9.1	15
ZZ02575		0.16	0.002	0.07	1.25	37.5	<0.2	<10	210	0.83	0.28	0.64	0.37	18.10	11.4	20
ZZ02576		0.21	0.002	0.17	1.72	20.8	<0.2	<10	320	1.05	0.31	1.42	0.38	21.2	9.9	25
ZZ02577		0.18	0.001	0.09	1.48	134.5	<0.2	<10	230	1.27	0.31	2.57	0.12	25.8	11.6	21
ZZ02578		0.15	0.002	0.05	0.95	6.8	<0.2	<10	180	1.00	0.29	0.37	0.06	20.6	9.9	17
ZZ02579		0.16	0.002	0.08	1.70	8.9	<0.2	<10	170	0.95	0.39	0.10	0.06	12.30	14.2	26
ZZ02580		0.18	0.003	0.06	0.39	69.7	<0.2	<10	220	0.55	0.24	6.37	0.33	9.75	9.0	7
ZZ02581		0.18	0.001	0.07	0.85	54.0	<0.2	<10	230	0.71	0.26	1.01	0.52	13.55	11.6	14
ZZ02582		0.20	0.001	0.10	1.24	33.3	<0.2	<10	440	0.94	0.27	1.15	1.00	17.80	10.1	19
ZZ02583		0.15	0.001	0.05	0.89	38.2	<0.2	<10	220	0.65	0.22	2.74	0.20	15.40	10.6	15
ZZ02584		0.16	0.002	0.14	1.27	33.8	<0.2	<10	230	0.83	0.23	2.65	0.40	20.7	9.2	19
ZZ02585		0.13	0.002	0.03	1.46	57.7	<0.2	<10	180	1.02	0.30	1.22	0.18	26.0	12.5	23
ZZ02586		0.13	0.001	0.05	1.76	89.6	<0.2	<10	230	1.07	0.29	3.52	0.39	22.7	11.0	25
ZZ02587		0.20	0.001	0.06	1.95	241	<0.2	<10	250	1.40	0.31	0.63	0.72	27.4	12.1	30
ZZ02588		0.17	0.001	0.07	1.47	87.6	<0.2	<10	340	1.00	0.32	0.68	0.17	23.1	12.7	24
ZZ02589		0.16	0.002	0.04	1.09	108.0	<0.2	<10	250	0.84	0.26	0.45	0.06	15.60	11.0	20
ZZ02590		0.17	0.002	0.08	1.14	56.9	<0.2	<10	300	1.00	0.28	1.98	0.22	12.10	11.4	19
ZZ02591		0.11	0.001	0.10	1.74	73.3	<0.2	<10	420	1.35	0.28	2.10	0.48	21.5	10.2	22
ZZ02592		0.19	0.001	0.05	1.18	104.0	<0.2	<10	210	1.06	0.31	0.99	0.13	20.3	13.7	20
ZZ02593		0.17	0.002	0.07	1.49	30.3	<0.2	<10	240	0.65	0.24	0.56	0.08	17.80	8.1	25
ZZ02594		0.22	0.002	0.18	1.25	45.6	<0.2	<10	250	0.70	0.24	4.58	0.14	19.65	8.2	21
ZZ02595		0.22	0.002	0.06	1.65	75.0	<0.2	<10	250	1.13	0.31	0.32	0.13	30.5	11.6	25
ZZ02596		0.12	0.002	0.11	1.25	46.9	<0.2	<10	210	1.69	0.24	5.82	0.23	40.7	9.2	19
ZZ02597		0.19	0.001	0.06	1.60	26.2	<0.2	<10	180	0.91	0.20	6.82	0.18	26.0	6.2	18
ZZ02598		0.23	0.003	0.13	1.43	32.3	<0.2	<10	160	0.74	0.26	1.61	0.10	31.6	12.1	26
ZZ02599		0.21	0.001	0.05	1.00	16.7	<0.2	<10	270	0.25	0.24	0.90	0.18	13.70	9.0	19
ZZ02600		0.15	0.002	0.12	0.96	60.3	<0.2	<10	260	0.66	0.25	1.78	0.74	12.70	12.0	17



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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ02566		0.97	28.3	3.16	3.37	0.05	0.06	0.54	0.031	0.12	7.2	14.3	0.52	537	1.32	<0.01
ZZ02567		0.70	24.6	3.06	3.43	0.05	0.05	0.30	0.025	0.09	8.5	12.6	2.41	812	0.63	<0.01
ZZ02568		0.71	32.5	3.50	4.28	0.05	0.08	2.32	0.032	0.12	7.7	18.2	0.58	676	0.96	<0.01
ZZ02569		0.79	28.5	3.89	5.04	0.06	0.09	0.46	0.038	0.13	13.8	17.3	0.66	973	0.92	<0.01
ZZ02570		0.85	14.9	3.68	5.05	<0.05	0.07	0.13	0.034	0.11	8.9	23.1	0.40	803	0.75	<0.01
ZZ02571		0.74	14.8	3.60	5.32	<0.05	0.05	0.19	0.032	0.06	5.8	30.5	0.41	365	0.60	<0.01
ZZ02572		1.43	26.0	3.46	3.40	0.05	0.06	0.83	0.030	0.08	6.8	21.8	1.05	668	0.64	<0.01
ZZ02573		1.08	21.8	2.57	2.47	<0.05	0.05	0.51	0.024	0.08	5.3	11.5	0.61	640	0.56	<0.01
ZZ02574		1.22	32.6	2.69	2.70	<0.05	0.06	0.68	0.028	0.10	5.8	11.1	0.66	596	0.80	<0.01
ZZ02575		0.81	17.2	3.31	4.15	<0.05	0.04	0.24	0.035	0.07	6.6	18.6	0.32	838	0.64	<0.01
ZZ02576		1.12	21.1	3.29	5.14	<0.05	0.05	0.12	0.030	0.07	10.2	23.7	0.86	600	0.53	<0.01
ZZ02577		0.84	18.0	4.21	4.48	0.06	0.07	0.18	0.039	0.12	12.6	15.1	1.54	1330	0.78	<0.01
ZZ02578		4.98	11.7	3.31	3.44	<0.05	0.05	0.03	0.026	0.17	8.9	11.5	0.22	482	0.35	<0.01
ZZ02579		5.70	15.9	3.79	6.24	<0.05	0.03	0.04	0.022	0.22	5.2	39.6	0.37	307	0.60	<0.01
ZZ02580		3.41	16.6	2.14	1.30	<0.05	0.03	0.79	0.017	0.08	4.2	5.4	3.87	719	0.56	<0.01
ZZ02581		1.32	18.3	2.76	2.79	<0.05	0.04	0.55	0.026	0.08	4.9	9.8	0.24	583	0.91	<0.01
ZZ02582		0.91	22.9	3.07	3.98	<0.05	0.04	0.18	0.029	0.08	7.9	12.5	0.24	958	0.85	<0.01
ZZ02583		0.66	12.7	2.98	2.61	<0.05	0.03	0.53	0.028	0.08	5.1	11.4	1.26	800	1.00	<0.01
ZZ02584		0.78	16.7	3.07	3.76	<0.05	0.03	0.41	0.029	0.05	9.9	13.8	1.18	1160	0.55	<0.01
ZZ02585		0.95	18.9	3.76	4.60	<0.05	0.06	0.78	0.029	0.09	11.6	19.7	0.91	1080	0.67	<0.01
ZZ02586		1.25	16.7	3.90	4.79	0.05	0.07	0.42	0.031	0.10	10.1	14.2	2.19	1500	0.65	0.03
ZZ02587		1.10	18.1	4.43	5.91	0.05	0.09	5.19	0.046	0.08	14.0	15.1	0.56	1280	0.70	0.02
ZZ02588		0.96	25.1	3.89	4.38	<0.05	0.06	0.69	0.036	0.08	8.7	18.3	0.44	1080	0.52	0.02
ZZ02589		1.72	21.8	3.18	3.34	<0.05	0.05	0.96	0.033	0.08	6.5	13.0	0.29	684	0.56	0.02
ZZ02590		0.58	39.6	3.32	3.66	<0.05	0.03	0.58	0.037	0.08	5.6	13.4	0.44	847	0.48	0.02
ZZ02591		2.86	27.7	3.48	4.44	0.05	0.07	0.26	0.035	0.10	11.3	14.7	0.42	1040	0.56	0.03
ZZ02592		2.32	27.5	4.20	3.43	<0.05	0.06	0.97	0.043	0.07	7.9	11.6	0.57	1170	0.57	0.02
ZZ02593		0.95	12.9	3.14	4.51	<0.05	0.04	0.22	0.028	0.06	8.7	13.5	0.38	542	0.51	0.02
ZZ02594		0.59	16.1	3.34	3.44	0.05	0.05	0.28	0.034	0.06	10.3	11.9	2.70	1120	0.53	0.02
ZZ02595		0.68	21.4	4.10	4.45	<0.05	0.07	0.43	0.041	0.09	9.7	12.9	0.31	1610	0.58	0.02
ZZ02596		0.41	15.7	4.53	3.12	0.09	0.10	0.34	0.036	0.09	28.7	8.1	3.27	2190	0.46	0.02
ZZ02597		0.77	7.0	3.49	4.29	0.05	0.06	0.09	0.029	0.04	12.2	10.2	4.16	1750	0.49	0.03
ZZ02598		0.63	17.8	3.23	4.70	0.08	0.08	0.21	0.029	0.05	15.9	21.4	1.20	634	0.86	0.01
ZZ02599		0.43	11.5	2.30	4.59	0.05	0.03	0.06	0.021	0.06	6.2	15.9	0.30	467	0.68	0.01
ZZ02600		0.94	28.0	2.95	3.15	0.06	0.06	0.58	0.029	0.11	5.5	12.4	0.35	1610	0.73	0.01

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



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**CERTIFICATE OF ANALYSIS WH12193053**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ02566		0.42	28.2	390	26.9	8.7	<0.001	0.04	0.92	5.0	0.8	0.5	42.1	<0.01	0.06	2.4
ZZ02567		0.41	19.5	470	22.7	9.1	<0.001	0.04	0.60	3.9	1.0	0.4	33.1	<0.01	0.03	1.3
ZZ02568		0.62	30.3	240	31.8	8.7	<0.001	0.02	0.65	6.3	0.8	0.6	29.8	<0.01	0.03	4.3
ZZ02569		0.60	29.4	190	34.1	12.1	<0.001	0.02	0.72	7.6	1.1	0.7	14.7	0.01	0.03	4.6
ZZ02570		0.84	23.5	150	24.6	16.3	<0.001	0.02	0.57	4.7	0.6	0.6	12.6	<0.01	0.03	4.3
ZZ02571		0.40	23.7	140	27.0	10.2	<0.001	0.02	0.29	3.4	0.4	0.6	9.0	<0.01	0.03	3.1
ZZ02572		0.34	25.1	450	33.0	8.3	0.001	0.05	0.58	4.4	1.3	0.4	62.7	<0.01	0.02	2.5
ZZ02573		0.35	19.5	480	23.4	7.9	<0.001	0.09	0.56	2.9	1.2	0.3	80.9	<0.01	0.03	1.1
ZZ02574		0.38	22.0	840	25.5	16.0	0.001	0.17	0.88	2.7	2.7	0.4	65.3	<0.01	0.04	0.8
ZZ02575		0.67	19.6	230	27.9	14.3	<0.001	0.03	0.75	4.0	0.3	0.5	21.5	<0.01	0.03	2.5
ZZ02576		0.83	24.7	330	24.9	10.0	0.001	0.03	0.64	4.5	0.8	0.6	23.6	<0.01	0.03	2.7
ZZ02577		0.70	23.4	360	27.0	10.8	<0.001	0.02	0.82	6.3	1.0	0.6	24.9	<0.01	0.05	3.6
ZZ02578		0.48	18.4	200	11.6	31.2	<0.001	0.01	0.21	4.0	0.5	0.5	16.5	<0.01	0.03	4.1
ZZ02579		0.55	22.8	330	14.6	28.2	<0.001	0.03	0.25	2.8	0.5	0.7	8.9	<0.01	0.03	2.6
ZZ02580		0.19	14.8	500	18.8	6.5	0.003	0.05	0.96	3.2	0.7	0.3	38.1	<0.01	0.04	1.9
ZZ02581		0.39	18.7	290	24.0	8.1	<0.001	0.05	0.80	3.7	0.7	0.4	25.7	<0.01	0.03	1.9
ZZ02582		0.50	20.6	420	23.6	9.7	<0.001	0.04	0.60	4.2	0.8	0.5	31.4	<0.01	0.03	1.9
ZZ02583		0.36	16.9	330	21.1	7.4	<0.001	0.05	0.69	3.4	0.7	0.4	29.7	<0.01	0.04	1.6
ZZ02584		0.75	17.2	640	24.4	7.9	<0.001	0.06	1.24	2.9	0.6	0.4	27.4	<0.01	0.04	0.9
ZZ02585		0.92	22.4	250	30.8	10.7	<0.001	0.02	1.24	5.6	0.5	0.5	14.5	<0.01	0.03	4.1
ZZ02586		0.73	19.0	450	31.9	12.7	<0.001	0.03	1.73	5.0	0.6	0.6	18.8	<0.01	0.03	4.0
ZZ02587		0.84	24.0	160	32.7	12.2	<0.001	0.02	1.75	6.6	0.3	0.7	11.3	<0.01	0.05	5.7
ZZ02588		0.89	20.5	240	27.8	9.8	<0.001	0.02	0.92	5.2	0.4	0.5	21.3	<0.01	0.03	4.7
ZZ02589		0.73	17.2	170	20.2	9.8	<0.001	0.02	1.05	4.7	0.2	0.4	20.9	<0.01	0.03	3.8
ZZ02590		0.49	23.1	570	21.4	7.1	<0.001	0.06	0.82	3.2	0.8	0.5	52.7	<0.01	0.02	1.0
ZZ02591		0.69	19.9	630	20.9	14.4	<0.001	0.06	1.16	5.4	1.1	0.6	47.5	<0.01	0.03	2.0
ZZ02592		0.62	20.8	330	33.0	9.8	<0.001	0.03	1.53	6.8	1.0	0.5	15.4	<0.01	0.05	4.5
ZZ02593		0.89	16.0	210	20.4	11.0	<0.001	0.02	0.70	3.5	0.5	0.5	13.7	<0.01	0.03	3.3
ZZ02594		0.64	16.4	540	20.0	6.4	<0.001	0.03	0.99	5.0	0.5	0.4	23.0	<0.01	0.02	3.6
ZZ02595		0.67	19.7	200	33.2	12.0	<0.001	0.02	1.17	6.0	0.3	0.6	10.3	<0.01	0.03	5.7
ZZ02596		0.30	14.2	1240	32.1	9.4	<0.001	0.08	1.38	5.8	1.3	0.4	41.6	<0.01	0.06	2.3
ZZ02597		0.65	9.1	560	22.5	7.2	<0.001	0.03	0.62	4.2	0.6	0.5	29.4	<0.01	0.05	2.3
ZZ02598		1.08	28.6	270	20.3	6.9	<0.001	0.01	0.92	5.5	0.7	0.5	18.2	<0.01	0.04	4.7
ZZ02599		1.17	14.2	210	17.8	7.3	<0.001	0.02	0.47	2.5	0.3	0.5	26.8	<0.01	0.03	1.7
ZZ02600		0.48	25.7	640	21.7	10.2	0.001	0.12	0.84	3.9	1.1	0.4	35.7	<0.01	0.05	1.6



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ02566		<0.005	0.18	1.12	30	0.07	10.65	102	1.7
ZZ02567		0.006	0.11	1.00	21	0.08	11.30	73	1.2
ZZ02568		0.005	0.20	0.53	27	0.07	9.89	96	2.9
ZZ02569		0.005	0.25	0.98	33	0.10	16.55	90	2.7
ZZ02570		0.015	0.15	1.03	34	0.09	5.30	84	2.2
ZZ02571		<0.005	0.11	0.51	27	0.07	2.97	74	1.7
ZZ02572		0.006	0.15	1.40	20	0.06	8.62	95	1.5
ZZ02573		0.005	0.11	1.91	17	0.06	7.33	76	1.1
ZZ02574		0.005	0.17	2.08	21	0.05	8.38	121	1.4
ZZ02575		0.010	0.14	1.63	28	0.10	4.64	88	1.2
ZZ02576		0.015	0.13	0.77	36	0.16	6.87	93	1.3
ZZ02577		0.009	0.17	0.73	32	0.13	13.60	71	2.0
ZZ02578		0.008	0.11	0.70	22	0.05	5.18	55	1.2
ZZ02579		0.007	0.14	0.42	29	0.06	2.65	61	0.7
ZZ02580		<0.005	0.17	1.16	14	0.05	5.39	127	0.9
ZZ02581		<0.005	0.14	1.39	27	0.06	5.21	118	1.2
ZZ02582		0.007	0.11	1.53	35	0.09	7.75	119	1.0
ZZ02583		0.005	0.14	2.30	28	0.06	4.88	89	0.9
ZZ02584		0.014	0.07	2.11	29	0.11	8.12	145	0.8
ZZ02585		0.012	0.15	1.13	31	0.11	8.15	104	1.7
ZZ02586		0.011	0.18	0.93	36	0.29	11.30	187	1.9
ZZ02587		0.012	0.27	1.31	42	0.17	12.75	555	2.9
ZZ02588		0.014	0.14	0.73	32	0.13	7.21	91	1.6
ZZ02589		0.013	0.18	0.56	25	0.11	5.79	68	1.4
ZZ02590		0.007	0.10	1.04	23	0.08	8.42	97	1.0
ZZ02591		0.012	0.18	1.14	30	0.11	12.15	79	1.5
ZZ02592		0.008	0.27	0.69	24	0.11	10.95	90	1.6
ZZ02593		0.019	0.12	0.62	36	0.13	4.26	74	1.3
ZZ02594		0.013	0.10	0.87	30	0.12	9.26	66	1.3
ZZ02595		0.010	0.22	0.67	34	0.13	7.29	81	2.0
ZZ02596		0.005	0.34	0.80	28	0.12	19.75	68	2.0
ZZ02597		0.010	0.13	1.32	34	0.12	13.90	78	1.3
ZZ02598		0.025	0.11	0.63	39	0.26	13.20	72	2.2
ZZ02599		0.024	0.08	0.81	34	0.16	2.38	46	0.9
ZZ02600		0.007	0.28	2.13	23	0.09	8.66	247	1.5



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Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193053**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12193054**

Project: Crag East 3  
 P.O. No.:  
 This report is for 72 Soil samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

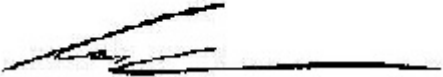
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12193054**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ02641		0.19	0.002	0.15	0.49	29.2	<0.2	<10	140	0.79	0.29	1.63	0.16	14.85	13.3	12
ZZ02642		0.15	0.009	0.18	1.27	33.0	<0.2	<10	160	0.94	0.32	1.93	0.35	18.60	14.5	24
ZZ02643		0.24	0.002	0.36	1.33	34.0	<0.2	<10	180	0.91	0.30	3.07	0.52	21.9	14.5	25
ZZ02644		0.31	0.002	0.23	1.10	22.7	<0.2	<10	160	0.95	0.30	1.43	0.22	26.7	11.5	21
ZZ02645		0.15	0.002	0.05	0.74	34.1	<0.2	<10	60	0.30	0.22	0.16	0.22	20.3	4.7	12
ZZ02646		0.23	0.004	0.15	1.27	14.2	<0.2	<10	220	0.84	0.27	1.30	0.33	25.0	11.3	24
ZZ02647		0.19	0.002	0.14	0.60	4.6	<0.2	<10	250	0.67	0.25	2.49	0.19	16.05	4.7	8
ZZ02648		0.25	0.002	0.16	0.57	8.3	<0.2	<10	120	0.69	0.30	0.72	0.12	20.7	9.0	9
ZZ02649		0.22	0.002	0.15	0.67	7.8	<0.2	<10	140	0.81	0.28	1.80	0.14	25.0	9.2	11
DD011026		0.12	0.003	0.05	1.01	33.6	<0.2	<10	170	1.18	0.37	0.98	0.16	63.9	11.9	16
DD011027		0.15	0.002	0.02	1.04	11.1	<0.2	<10	250	0.58	0.29	0.15	0.08	22.5	10.4	15
DD011028		0.17	0.009	0.06	1.02	17.4	<0.2	<10	220	1.75	0.34	0.24	0.11	29.8	16.3	16
DD011029		0.14	0.004	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
DD011030		0.24	0.009	0.09	1.50	40.2	<0.2	<10	290	1.21	0.31	1.59	0.25	21.6	12.6	23
DD011031		0.14	0.004	0.09	1.49	23.1	<0.2	<10	220	0.89	0.25	1.83	0.24	20.4	9.0	23
DD011032		0.15	0.003	0.05	1.57	40.9	<0.2	<10	250	1.10	0.30	0.95	0.13	24.0	11.6	25
DD011033		0.15	0.002	0.07	1.51	35.7	<0.2	<10	190	1.05	0.29	0.46	0.13	26.0	12.6	25
DD011034		0.12	0.001	0.02	1.99	55.4	<0.2	<10	290	1.46	0.29	3.17	0.28	28.3	10.1	25
DD011035		0.24	0.005	0.10	1.27	67.7	<0.2	<10	260	0.88	0.30	1.87	0.14	23.7	12.7	21
DD011036		0.15	0.003	0.10	0.95	49.5	<0.2	<10	190	0.83	0.26	2.44	0.18	16.45	12.3	16
DD011037		0.15	0.001	0.06	1.00	29.1	<0.2	<10	160	0.73	0.22	0.94	0.15	24.2	8.3	16
DD011038		0.11	0.001	0.08	0.76	19.5	<0.2	<10	160	0.76	0.25	0.56	0.07	23.8	8.8	10
DD011039		0.18	0.001	0.06	0.62	21.9	<0.2	<10	110	0.71	0.34	0.60	0.09	8.17	8.9	8
DD011040		0.13	0.014	0.15	0.76	48.0	<0.2	<10	170	0.69	0.25	2.73	0.19	13.80	8.8	12
DD011041		0.11	0.004	0.09	1.21	44.9	<0.2	<10	220	0.82	0.23	2.30	0.33	16.95	6.5	15
DD011042		0.13	0.002	0.08	0.83	54.4	<0.2	<10	160	0.81	0.24	1.04	0.11	24.7	8.5	12
DD011043		0.14	0.001	0.04	1.02	38.7	<0.2	<10	160	0.81	0.21	1.12	0.23	25.0	8.0	17
DD011044		0.11	0.003	0.14	0.90	29.8	<0.2	<10	220	0.71	0.21	2.41	0.19	18.30	8.1	14
DD011045		0.20	0.001	0.03	1.35	25.1	<0.2	<10	250	0.75	0.24	0.32	0.22	25.8	10.5	22
DD011046		0.16	0.003	0.08	0.51	23	<0.2	<10	160	0.66	0.08	14.95	0.14	9.70	3.4	5
DD011047		0.14	0.004	0.08	0.43	84.9	<0.2	<10	180	0.62	0.21	7.90	0.32	11.15	9.4	7
DD011048		0.18	0.005	0.16	0.85	56.0	<0.2	<10	230	1.08	0.29	2.57	0.27	16.85	12.6	15
DD011049		0.20	0.006	0.15	0.73	45.0	<0.2	<10	190	0.87	0.28	3.39	0.36	16.80	11.9	13
DD011050		0.21	0.015	0.08	0.95	58.9	<0.2	<10	240	0.95	0.28	2.03	0.32	15.75	11.4	15
DD011051		0.17	0.001	0.09	0.86	54.4	<0.2	<10	120	0.73	0.23	0.96	0.29	14.15	8.6	14
DD011052		0.20	0.003	0.10	0.86	45.9	<0.2	<10	250	0.86	0.24	1.54	0.11	16.05	8.5	14
DD011053		0.15	0.006	0.11	0.71	20.4	<0.2	<10	230	0.48	0.18	3.52	0.45	9.76	7.4	11
DD011054		0.25	0.002	0.10	1.29	22.9	<0.2	<10	250	0.91	0.27	0.41	0.07	22.1	12.2	23
DD011055		0.17	0.011	0.17	0.96	35.0	<0.2	<10	240	0.92	0.25	1.81	0.33	17.75	8.3	16
DD011056		0.17	0.001	0.05	1.18	29.1	<0.2	<10	80	0.52	0.29	0.17	0.16	13.20	8.6	22



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**CERTIFICATE OF ANALYSIS WH12193054**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ02641		2.83	28.4	2.53	1.50	0.05	0.04	0.50	0.026	0.08	5.6	5.8	0.43	699	0.45	0.02
ZZ02642		0.96	36.4	3.77	4.16	0.06	0.06	0.37	0.032	0.07	7.8	18.8	1.12	1280	0.54	0.02
ZZ02643		0.89	33.9	3.84	4.28	0.06	0.06	0.48	0.032	0.07	8.7	20.2	1.96	1520	0.55	0.02
ZZ02644		1.05	25.2	3.52	3.16	0.06	0.07	0.30	0.032	0.07	11.3	14.0	0.54	697	0.53	0.02
ZZ02645		1.17	8.4	2.26	3.45	<0.05	0.02	0.29	0.019	0.05	8.6	7.0	0.12	470	0.71	0.02
ZZ02646		0.95	26.5	2.78	3.64	0.05	0.06	0.21	0.027	0.07	10.2	16.6	0.36	402	0.43	0.02
ZZ02647		1.31	26.4	1.79	1.48	0.05	0.02	0.23	0.019	0.05	6.5	3.6	0.09	231	0.39	0.02
ZZ02648		1.68	20.7	3.22	1.56	0.06	0.03	0.13	0.030	0.06	7.5	11.0	0.17	369	0.58	0.02
ZZ02649		1.53	22.6	2.70	1.95	0.06	0.03	0.18	0.032	0.07	9.5	14.7	0.30	377	0.51	0.02
DD011026		1.85	33.8	3.38	2.92	0.10	0.06	0.05	0.038	0.16	30.3	10.1	0.14	1500	0.61	0.03
DD011027		1.22	14.7	3.02	3.22	<0.05	0.03	0.07	0.021	0.13	8.5	15.2	0.18	748	0.90	0.02
DD011028		3.23	54.8	3.70	2.64	0.07	0.04	0.12	0.033	0.11	11.5	10.3	0.17	1280	0.79	0.02
DD011029		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
DD011030		0.70	29.3	3.89	4.29	0.05	0.08	0.30	0.037	0.12	10.1	14.6	0.83	1140	0.74	0.02
DD011031		0.73	16.0	3.36	4.35	0.05	0.06	0.14	0.033	0.07	9.7	15.3	1.06	931	0.66	0.02
DD011032		0.72	22.8	4.00	4.48	0.06	0.08	0.24	0.034	0.10	11.6	14.6	0.72	1200	0.83	0.02
DD011033		0.80	22.9	3.84	4.68	0.05	0.07	0.28	0.039	0.09	10.0	17.1	0.43	1140	0.74	0.02
DD011034		1.01	15.3	6.18	4.85	0.05	0.08	0.14	0.041	0.09	10.8	19.1	1.78	2910	0.72	0.02
DD011035		0.66	27.2	3.71	4.39	0.07	0.07	0.31	0.038	0.06	10.4	17.6	1.01	901	0.81	0.02
DD011036		0.76	28.1	3.36	3.47	0.06	0.05	0.51	0.035	0.09	7.2	12.9	0.74	726	0.69	0.02
DD011037		0.58	16.5	2.74	2.85	<0.05	0.07	2.36	0.030	0.09	10.6	10.1	0.33	501	0.53	0.02
DD011038		0.48	15.0	2.68	2.35	<0.05	0.04	0.11	0.039	0.08	9.7	6.5	0.13	366	0.54	<0.01
DD011039		0.89	17.1	2.77	2.11	<0.05	0.03	0.17	0.036	0.06	4.0	11.2	0.18	249	0.49	<0.01
DD011040		1.31	24.9	2.74	2.56	<0.05	0.08	0.49	0.032	0.07	6.3	8.8	1.01	494	0.73	<0.01
DD011041		0.78	16.9	2.72	3.72	<0.05	0.05	0.10	0.034	0.07	9.5	12.4	0.91	630	0.52	<0.01
DD011042		0.95	13.1	2.60	2.57	<0.05	0.06	0.16	0.034	0.09	10.9	7.6	0.19	361	0.44	<0.01
DD011043		0.90	14.5	2.82	3.19	<0.05	0.05	0.21	0.035	0.07	11.5	9.0	0.40	668	0.56	<0.01
DD011044		0.99	25.2	2.34	2.90	<0.05	0.03	0.39	0.033	0.05	9.6	9.2	0.50	449	0.53	<0.01
DD011045		0.75	10.9	2.98	4.83	<0.05	0.06	0.11	0.035	0.08	10.6	12.3	0.33	718	0.78	<0.01
DD011046		0.42	6.8	2.45	1.40	<0.05	0.03	0.10	0.014	0.03	5.5	4.3	8.11	1340	0.34	<0.01
DD011047		2.71	17.8	2.07	1.58	<0.05	0.04	0.71	0.025	0.06	5.2	5.7	4.30	750	0.69	<0.01
DD011048		2.02	28.2	3.06	3.05	<0.05	0.05	0.66	0.037	0.09	7.8	9.9	1.42	756	1.32	<0.01
DD011049		1.96	22.1	2.69	2.68	<0.05	0.04	0.72	0.033	0.09	7.6	9.2	1.76	590	1.03	<0.01
DD011050		0.92	26.6	2.97	3.28	<0.05	0.04	0.62	0.037	0.07	6.8	12.8	0.98	860	0.69	<0.01
DD011051		1.00	18.3	2.53	3.26	<0.05	0.05	0.60	0.031	0.07	6.4	12.7	0.34	303	0.66	<0.01
DD011052		0.60	28.0	2.78	2.83	<0.05	0.05	0.64	0.034	0.05	8.5	11.4	0.68	646	0.58	<0.01
DD011053		0.74	15.5	1.78	2.42	<0.05	0.03	0.24	0.019	0.05	4.2	7.8	0.37	557	0.42	<0.01
DD011054		0.69	22.3	3.05	4.70	<0.05	0.06	0.24	0.035	0.05	11.4	18.5	0.39	466	0.80	<0.01
DD011055		0.89	25.5	2.40	3.38	<0.05	0.06	0.49	0.035	0.07	7.7	12.7	0.27	551	0.49	<0.01
DD011056		0.85	19.2	3.26	5.18	<0.05	0.03	0.11	0.030	0.05	6.2	18.9	0.29	257	0.67	<0.01





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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ02641		0.29	29.0	300	34.1	5.3	<0.001	0.03	1.75	3.8	0.4	0.3	45.7	<0.01	0.02	5.2
ZZ02642		1.10	27.4	520	42.4	7.6	<0.001	0.03	3.60	5.0	0.6	0.5	38.1	<0.01	0.03	4.0
ZZ02643		1.10	25.6	560	54.4	7.3	<0.001	0.02	5.39	4.8	0.9	0.5	32.8	<0.01	0.02	4.6
ZZ02644		0.81	24.6	400	33.1	6.3	<0.001	0.02	2.06	5.6	0.7	0.4	46.7	<0.01	0.02	6.4
ZZ02645		0.75	9.5	150	23.8	11.5	<0.001	0.02	4.43	2.1	0.2	0.5	6.6	<0.01	0.03	3.2
ZZ02646		0.95	23.3	660	23.7	8.3	<0.001	0.06	0.91	4.4	0.7	0.4	61.4	<0.01	0.02	3.8
ZZ02647		0.27	19.0	550	17.8	7.5	<0.001	0.08	0.36	1.7	1.6	0.3	85.6	<0.01	0.02	0.8
ZZ02648		0.18	25.0	450	24.2	5.3	<0.001	0.03	0.33	4.1	0.9	0.3	40.1	<0.01	0.02	4.0
ZZ02649		0.27	24.6	590	21.0	6.6	<0.001	0.05	0.29	4.3	1.1	0.3	94.1	<0.01	0.02	2.6
DD011026		0.31	27.4	240	27.0	13.2	<0.001	0.03	0.45	8.2	1.0	0.4	22.0	<0.01	0.06	5.8
DD011027		0.34	16.7	180	16.0	11.5	<0.001	0.02	0.36	2.3	<0.2	0.4	8.6	<0.01	0.03	3.9
DD011028		0.29	37.4	200	27.0	10.3	<0.001	0.02	0.57	9.1	1.3	0.5	11.2	<0.01	0.05	6.0
DD011029		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
DD011030		0.48	25.1	270	29.5	10.4	<0.001	0.03	0.81	5.8	0.7	0.6	24.7	<0.01	0.02	4.0
DD011031		0.70	19.5	250	20.6	10.1	<0.001	0.03	0.67	4.2	0.4	0.5	18.3	<0.01	0.03	3.5
DD011032		0.57	24.2	190	30.1	8.5	0.001	0.02	0.89	6.2	1.2	0.6	14.5	<0.01	0.03	5.5
DD011033		0.69	24.6	170	25.1	10.0	<0.001	0.03	0.78	5.8	0.8	0.5	15.8	<0.01	0.03	5.2
DD011034		0.47	18.5	440	26.9	11.6	<0.001	0.06	0.72	5.6	1.0	0.6	27.1	<0.01	0.05	4.3
DD011035		0.57	26.3	210	27.6	6.9	0.001	0.02	0.78	6.0	0.9	0.5	35.4	<0.01	0.04	4.3
DD011036		0.64	22.5	390	25.9	7.7	<0.001	0.04	0.86	4.8	1.0	0.5	68.0	<0.01	0.03	2.9
DD011037		0.42	18.4	270	20.0	7.2	<0.001	0.03	0.53	4.8	0.3	0.4	35.4	<0.01	0.02	3.9
DD011038		0.35	20.3	170	23.3	7.0	<0.001	0.02	0.43	4.6	0.8	0.4	29.7	<0.01	0.02	4.9
DD011039		0.27	22.1	160	24.5	7.7	<0.001	0.02	0.43	3.9	0.3	0.5	22.1	<0.01	0.02	3.3
DD011040		0.39	27.8	530	33.0	6.1	0.001	0.04	1.28	3.6	0.9	0.4	60.6	<0.01	0.03	2.5
DD011041		0.55	16.9	440	26.1	7.5	<0.001	0.04	0.86	3.5	0.6	0.5	37.3	<0.01	0.03	1.5
DD011042		0.35	19.8	210	32.4	7.6	<0.001	0.02	1.29	3.9	0.6	0.4	42.9	<0.01	0.03	3.5
DD011043		0.61	17.4	220	30.4	7.9	<0.001	0.02	0.61	4.3	0.7	0.4	27.4	<0.01	0.03	3.2
DD011044		0.47	20.2	600	25.4	5.5	0.001	0.05	0.59	2.8	0.8	0.4	77.0	<0.01	0.03	1.0
DD011045		0.88	20.4	120	23.1	10.8	<0.001	0.01	0.62	3.9	0.4	0.6	16.4	<0.01	0.01	4.0
DD011046		0.20	7.8	1040	15.9	4.4	<0.001	0.03	1.16	1.3	0.4	0.2	80.5	<0.01	0.04	0.5
DD011047		0.21	17.0	520	23.1	6.7	<0.001	0.03	1.29	3.2	0.8	1.2	45.6	<0.01	0.05	1.8
DD011048		0.29	29.0	560	27.3	10.0	0.001	0.03	1.03	4.9	1.0	0.6	28.4	<0.01	0.05	2.7
DD011049		0.32	23.7	610	24.4	9.7	0.001	0.03	0.84	4.5	0.9	0.4	32.9	<0.01	0.03	2.6
DD011050		0.54	23.1	400	26.7	8.2	<0.001	0.04	1.07	3.4	0.5	0.5	32.4	<0.01	0.02	1.4
DD011051		0.50	20.2	480	22.0	8.3	<0.001	0.06	0.81	3.2	0.9	0.5	28.0	<0.01	0.04	2.2
DD011052		0.54	21.4	310	26.8	5.8	<0.001	0.03	1.64	4.7	0.7	0.4	38.5	<0.01	0.03	2.9
DD011053		0.42	12.4	720	15.1	6.5	<0.001	0.15	0.75	1.3	1.2	0.3	105.5	<0.01	0.03	0.4
DD011054		0.85	26.7	200	21.7	7.6	<0.001	0.01	1.30	4.6	0.6	0.6	28.5	<0.01	0.04	4.0
DD011055		0.48	23.1	700	24.0	8.0	0.001	0.12	1.06	3.4	1.7	0.5	73.1	<0.01	0.02	1.5
DD011056		1.51	18.8	130	28.0	10.7	<0.001	0.01	3.55	2.6	0.4	0.6	10.3	<0.01	0.02	3.1

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ02641		0.006	0.46	0.44	10	0.05	6.67	84	1.6
ZZ02642		0.019	0.16	0.69	25	0.10	9.19	142	1.6
ZZ02643		0.025	0.18	0.71	26	0.10	9.64	171	1.7
ZZ02644		0.018	0.17	0.54	23	0.10	10.45	102	2.4
ZZ02645		0.014	0.15	0.45	34	0.12	3.37	84	0.8
ZZ02646		0.017	0.10	0.86	29	0.17	9.07	97	1.7
ZZ02647		0.007	0.08	1.43	13	0.06	8.92	29	0.7
ZZ02648		0.005	0.10	0.55	11	<0.05	10.65	92	0.7
ZZ02649		0.006	0.09	0.68	13	0.05	16.85	70	1.0
DD011026		0.007	0.11	0.91	27	0.07	18.10	55	1.3
DD011027		0.006	0.10	0.32	28	0.07	2.59	60	0.9
DD011028		0.007	0.10	1.14	25	0.07	18.85	71	1.2
DD011029		NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
DD011030		0.007	0.15	0.60	32	0.13	11.85	99	1.8
DD011031		0.016	0.11	0.73	35	0.22	7.92	79	1.8
DD011032		0.012	0.15	0.79	34	0.11	13.35	88	2.6
DD011033		0.012	0.14	1.06	34	0.12	9.31	81	2.4
DD011034		0.006	0.17	1.47	39	0.11	11.70	110	1.9
DD011035		0.009	0.12	0.73	27	0.12	13.15	77	2.2
DD011036		0.007	0.15	1.28	22	0.09	9.10	90	1.7
DD011037		0.009	0.11	0.55	22	0.09	8.75	75	2.0
DD011038		0.005	0.11	0.54	14	0.10	8.20	61	1.4
DD011039		<0.005	0.10	0.45	11	0.05	4.39	57	1.2
DD011040		0.005	0.14	0.81	16	0.07	8.52	89	2.3
DD011041		0.008	0.13	1.01	24	0.11	8.34	54	1.4
DD011042		<0.005	0.19	0.77	16	0.10	6.99	42	1.6
DD011043		0.009	0.18	0.93	25	0.09	8.88	138	1.8
DD011044		0.008	0.10	1.18	19	0.16	9.58	63	1.2
DD011045		0.017	0.13	0.71	35	0.13	5.31	106	2.2
DD011046		0.005	0.09	2.01	10	0.06	6.82	31	0.8
DD011047		<0.005	0.23	1.00	14	0.06	6.95	140	1.1
DD011048		<0.005	0.18	1.05	26	0.06	11.15	146	1.8
DD011049		<0.005	0.18	1.23	24	0.07	10.65	115	1.4
DD011050		0.007	0.16	2.44	21	0.08	8.04	96	1.1
DD011051		0.006	0.23	2.18	21	0.07	7.45	154	1.3
DD011052		0.007	0.12	0.73	18	0.07	9.98	70	1.6
DD011053		0.007	0.08	3.57	15	0.05	4.36	70	0.9
DD011054		0.015	0.09	0.68	31	0.14	8.23	68	1.7
DD011055		0.005	0.14	3.00	21	0.06	9.15	107	1.8
DD011056		0.015	0.14	0.43	28	0.10	2.24	89	1.3

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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
DD011057		0.12	NSS	0.09	0.31	3.2	<0.2	10	540	0.14	0.07	5.22	0.60	2.91	4.8	4
DD011058		0.17	0.003	0.10	1.43	81.1	<0.2	<10	110	0.76	0.27	0.06	0.32	15.05	8.9	22
DD011059		0.18	0.004	0.28	1.32	33.5	<0.2	<10	220	0.89	0.29	0.97	0.21	18.00	11.0	23
DD011060		0.20	0.001	0.06	0.85	12.1	<0.2	<10	70	0.26	0.30	0.04	0.13	15.40	7.1	13
DD011061		0.19	0.004	0.30	1.17	18.2	<0.2	<10	280	0.86	0.23	2.07	0.17	17.00	8.2	19
DD011062		0.19	0.004	0.08	1.07	73.1	<0.2	<10	190	0.88	0.28	1.88	0.23	12.70	10.3	18
DD011063		0.16	0.004	0.10	0.91	65.1	<0.2	<10	210	0.76	0.24	2.35	0.55	13.40	10.3	14
DD011064		0.18	0.005	0.11	0.89	40.3	<0.2	<10	150	0.78	0.27	1.02	0.27	14.20	8.1	15
DD011065		0.15	0.010	0.12	0.89	67.0	<0.2	<10	300	0.80	0.26	0.82	0.64	14.30	16.6	16
DD011066		0.21	0.002	0.02	1.05	17.7	<0.2	<10	140	0.48	0.22	0.25	0.05	18.25	7.1	20
DD011067		0.21	<0.001	0.02	1.20	34.1	<0.2	<10	150	0.52	0.24	0.12	0.10	11.80	7.8	18
DD011068		0.15	NSS	0.07	0.19	2.8	<0.2	20	300	0.13	0.04	4.43	0.28	1.91	4.0	2
DD011081		0.26	0.007	0.10	0.95	127.0	<0.2	<10	230	0.90	0.30	0.75	0.13	16.50	13.5	17
DD011082		0.18	0.004	0.07	1.01	100.0	<0.2	<10	190	0.90	0.26	3.43	0.16	19.30	13.6	18
DD011083		0.19	0.003	0.12	1.03	74.8	<0.2	<10	210	0.86	0.24	1.34	0.32	20.3	9.7	18
DD011084		0.24	0.004	0.08	0.81	57.1	<0.2	<10	230	0.75	0.25	2.70	0.20	12.00	10.2	14
DD011085		0.23	0.004	0.06	1.00	60.4	<0.2	<10	240	0.94	0.28	1.87	0.24	14.00	12.4	16
DD011086		0.17	0.001	0.07	0.94	36.3	<0.2	<10	250	0.67	0.22	1.76	0.21	16.40	9.0	15
DD011087		0.21	0.001	0.02	1.04	63.6	<0.2	<10	130	0.74	0.20	0.35	0.10	23.3	7.6	18
DD011088		0.13	0.003	0.13	1.23	31.8	<0.2	<10	300	0.70	0.22	1.64	0.18	22.4	9.7	20
DD011089		0.16	<0.001	0.07	0.58	104.0	<0.2	<10	180	0.61	0.20	0.73	0.06	10.75	7.3	10
DD011090		0.10	0.001	0.09	1.52	332	<0.2	<10	580	0.99	0.28	0.79	0.10	25.0	11.1	25
DD011091		0.12	<0.001	0.01	1.01	21.5	<0.2	<10	120	0.33	0.19	0.07	0.05	17.95	4.9	13
DD011092		0.17	0.001	0.05	0.24	19	<0.2	<10	50	0.36	0.08	18.05	0.03	17.25	5.8	2
DD011093		0.12	NSS	0.12	1.11	24.1	<0.2	<10	140	0.77	0.19	8.45	0.09	31.0	8.2	15
DD011094		0.24	NSS	0.03	1.62	18.1	<0.2	<10	220	0.64	0.27	0.36	0.01	24.3	6.8	25
DD011095		0.12	0.010	0.03	2.12	29.2	<0.2	<10	260	1.23	0.29	2.40	0.23	35.1	11.2	31
DD011096		0.28	0.003	0.09	1.23	46.5	<0.2	<10	250	0.99	0.30	1.15	0.16	21.3	15.6	21
DD011097		0.18	0.006	0.12	1.21	65.9	<0.2	<10	200	1.08	0.31	1.10	0.46	16.75	13.3	21
DD011098		0.21	0.005	0.12	1.15	49.9	<0.2	<10	230	0.96	0.28	1.38	0.30	16.65	12.4	19
DD011099		0.24	0.003	0.12	1.16	37.7	<0.2	<10	280	0.97	0.30	1.63	0.36	18.95	14.3	21
DD011100		0.39	0.002	0.09	0.95	41.1	<0.2	<10	250	0.73	0.26	3.99	0.27	15.90	13.1	17



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**CERTIFICATE OF ANALYSIS WH12193054**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
DD011057		0.21	9.8	0.48	0.90	<0.05	0.02	0.13	0.008	0.01	1.4	0.8	0.25	3260	0.55	<0.01
DD011058		2.20	12.0	3.09	4.96	<0.05	0.03	0.59	0.036	0.06	6.1	21.0	0.26	478	0.78	<0.01
DD011059		0.78	27.9	3.13	4.70	<0.05	0.04	0.33	0.035	0.06	9.2	17.6	0.53	679	0.55	<0.01
DD011060		3.04	8.2	2.34	4.41	<0.05	<0.02	0.04	0.018	0.04	7.3	10.8	0.13	255	0.75	<0.01
DD011061		0.68	29.7	2.51	3.62	<0.05	0.04	0.31	0.025	0.06	9.0	13.5	0.46	511	0.43	<0.01
DD011062		0.73	21.7	3.01	3.89	<0.05	0.06	0.87	0.034	0.08	5.6	13.9	0.79	593	0.52	<0.01
DD011063		0.73	22.7	2.68	3.14	<0.05	0.06	0.57	0.029	0.08	5.6	10.8	0.91	695	0.90	<0.01
DD011064		1.03	18.8	2.49	2.85	<0.05	0.04	0.50	0.025	0.07	6.1	10.8	0.25	398	0.48	<0.01
DD011065		0.89	21.5	3.27	3.07	<0.05	0.05	0.48	0.030	0.07	6.1	10.5	0.25	3130	1.04	<0.01
DD011066		0.81	7.0	2.60	4.32	<0.05	0.03	0.05	0.022	0.06	9.1	17.8	0.33	273	0.66	<0.01
DD011067		0.73	14.9	2.92	4.48	<0.05	0.04	0.32	0.033	0.05	5.7	19.1	0.23	245	0.75	<0.01
DD011068		1.78	13.4	0.52	0.55	<0.05	0.02	0.12	0.005	0.02	1.1	1.1	0.44	2270	0.42	0.01
DD011081		0.92	32.7	3.66	3.06	<0.05	0.05	0.90	0.039	0.07	7.7	10.5	0.49	1060	0.86	<0.01
DD011082		1.04	26.7	3.74	3.52	0.05	0.06	1.97	0.034	0.07	8.7	13.0	2.13	1220	0.56	<0.01
DD011083		0.84	26.7	3.21	3.46	0.06	0.04	1.01	0.033	0.07	10.3	12.6	0.51	697	0.60	<0.01
DD011084		1.34	30.8	2.82	2.86	<0.05	0.04	1.73	0.028	0.06	5.2	10.8	0.80	654	0.49	<0.01
DD011085		0.55	29.6	3.30	3.72	<0.05	0.04	0.71	0.037	0.06	5.9	13.0	0.89	1140	0.65	<0.01
DD011086		0.81	22.0	2.58	2.81	<0.05	0.03	0.27	0.025	0.07	7.1	10.2	0.39	671	0.50	0.01
DD011087		1.04	10.5	2.76	2.97	<0.05	0.05	0.17	0.025	0.07	8.1	8.0	0.21	379	0.46	0.01
DD011088		1.21	18.2	2.64	3.43	<0.05	0.03	0.21	0.027	0.05	10.7	11.5	0.45	747	0.55	0.01
DD011089		2.00	15.7	2.00	1.76	<0.05	0.03	0.30	0.017	0.06	4.2	6.2	0.14	330	0.43	0.01
DD011090		1.33	23.4	3.29	4.34	<0.05	0.05	0.35	0.032	0.07	14.3	17.0	0.46	659	0.60	0.01
DD011091		2.54	11.4	2.36	3.92	<0.05	<0.02	0.05	0.016	0.03	8.9	8.5	0.11	163	0.63	0.01
DD011092		1.59	6.5	1.02	0.69	<0.05	0.03	0.22	0.008	0.03	12.6	1.6	10.05	681	0.16	0.02
DD011093		0.72	11.1	2.86	3.07	0.06	0.05	0.17	0.024	0.05	19.9	10.3	4.86	1330	0.49	0.02
DD011094		1.30	10.6	2.97	5.24	<0.05	0.04	0.17	0.023	0.06	12.7	19.2	0.40	317	0.63	0.01
DD011095		0.92	12.1	4.43	6.07	0.06	0.08	0.10	0.032	0.06	19.8	15.9	1.70	1140	0.87	0.01
DD011096		0.88	37.3	3.90	3.96	0.05	0.07	0.51	0.032	0.08	10.6	14.6	0.78	1280	0.62	0.01
DD011097		1.35	34.8	3.39	3.91	<0.05	0.06	0.67	0.034	0.11	6.9	14.9	0.34	723	0.68	0.01
DD011098		1.15	26.9	2.96	3.58	<0.05	0.06	0.44	0.028	0.09	6.8	13.5	0.34	369	0.66	0.01
DD011099		0.87	34.1	3.23	3.55	<0.05	0.07	0.88	0.033	0.09	7.8	18.6	0.77	558	0.45	0.01
DD011100		0.98	41.8	3.37	3.09	<0.05	0.04	0.69	0.029	0.08	6.5	14.6	1.18	1020	0.47	0.01

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



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To: STRATEGIC METALS LTD.  
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 Account: MTT

Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193054**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DD011057		0.20	6.4	750	3.3	1.0	<0.001	0.35	0.84	0.2	1.1	<0.2	229	<0.01	0.01	<0.2
DD011058		0.96	23.7	200	63.0	14.6	<0.001	0.01	17.35	2.7	0.2	0.6	7.4	<0.01	0.02	3.1
DD011059		0.96	26.7	570	41.9	8.0	<0.001	0.03	6.14	4.0	0.6	0.5	30.4	<0.01	0.02	2.5
DD011060		1.05	10.6	150	16.6	10.4	<0.001	0.01	0.52	1.4	0.4	0.5	5.4	<0.01	0.06	2.4
DD011061		0.83	26.0	650	20.5	6.3	<0.001	0.06	2.76	3.5	0.9	0.4	62.4	<0.01	0.02	1.4
DD011062		0.60	21.6	270	25.1	8.9	<0.001	0.04	0.89	4.1	0.6	0.5	30.8	<0.01	0.04	2.6
DD011063		0.41	22.4	580	26.0	7.9	<0.001	0.08	1.17	3.3	0.8	0.4	34.8	<0.01	0.01	1.6
DD011064		0.45	19.0	460	28.2	8.5	<0.001	0.07	0.57	3.3	1.0	0.4	29.7	<0.01	0.02	2.3
DD011065		0.43	27.0	580	26.1	8.0	0.001	0.06	0.84	3.4	1.1	0.4	31.3	<0.01	0.03	2.2
DD011066		0.87	15.3	110	15.2	10.9	<0.001	0.01	0.38	2.4	0.2	0.5	18.7	<0.01	0.02	3.3
DD011067		0.91	16.7	130	22.0	11.2	<0.001	0.01	1.12	2.4	0.2	0.5	9.3	<0.01	0.03	2.8
DD011068		0.11	8.1	810	2.2	2.4	0.002	0.48	0.34	0.3	0.4	<0.2	240	<0.01	0.01	<0.2
DD011081		0.49	26.8	190	36.5	6.3	<0.001	0.02	1.14	5.1	0.5	0.5	18.6	<0.01	0.02	3.9
DD011082		0.85	26.3	330	33.6	7.4	<0.001	0.02	1.81	5.2	0.9	0.4	29.1	<0.01	0.04	3.5
DD011083		0.64	20.9	470	34.5	7.5	<0.001	0.04	1.49	4.0	1.0	0.4	26.0	<0.01	0.05	1.5
DD011084		0.61	20.8	540	23.1	6.7	<0.001	0.06	1.06	3.1	0.7	0.4	61.3	<0.01	0.01	1.3
DD011085		0.56	22.9	320	26.3	7.5	<0.001	0.03	0.81	3.7	0.4	0.5	38.2	<0.01	0.03	1.6
DD011086		0.64	18.7	380	16.1	7.0	<0.001	0.06	0.65	2.7	0.6	0.4	50.3	<0.01	0.03	1.1
DD011087		1.21	15.8	120	16.6	7.3	<0.001	0.01	0.53	3.3	0.3	0.4	13.9	<0.01	0.04	3.4
DD011088		0.79	19.7	430	14.2	6.2	<0.001	0.04	0.56	2.8	0.6	0.4	37.4	<0.01	0.02	1.2
DD011089		0.42	16.3	230	15.4	6.6	<0.001	0.02	1.07	2.1	<0.2	0.3	21.2	<0.01	0.03	1.5
DD011090		0.89	24.5	290	17.0	7.8	<0.001	0.02	0.93	5.1	0.7	0.5	28.3	<0.01	0.02	2.7
DD011091		0.71	9.0	140	10.5	5.1	<0.001	0.01	0.56	1.9	0.2	0.6	5.1	<0.01	0.04	1.9
DD011092		0.12	6.7	560	13.7	3.1	<0.001	0.02	0.85	2.0	0.4	0.2	70.2	<0.01	0.04	1.1
DD011093		0.48	16.3	680	15.3	6.2	<0.001	0.03	0.66	4.6	0.9	0.4	31.5	<0.01	0.03	2.2
DD011094		0.86	17.9	520	16.0	13.0	0.001	0.01	0.76	3.3	0.4	0.7	15.6	<0.01	0.03	4.6
DD011095		0.96	24.8	230	22.0	9.8	<0.001	0.02	0.87	6.0	0.9	0.7	17.8	<0.01	0.03	5.1
DD011096		0.76	27.8	300	33.6	7.9	<0.001	0.02	1.47	5.5	0.8	0.5	19.0	<0.01	0.04	4.4
DD011097		0.65	26.5	600	27.8	10.8	0.001	0.07	0.87	5.0	1.6	0.6	26.9	<0.01	0.03	2.6
DD011098		0.62	24.2	640	26.1	10.0	0.001	0.08	1.29	3.7	1.4	0.5	37.5	<0.01	0.02	1.8
DD011099		0.92	25.4	470	34.9	8.0	0.001	0.09	2.12	5.2	1.5	0.5	38.5	<0.01	0.03	3.8
DD011100		0.92	24.1	420	34.5	6.2	<0.001	0.03	2.03	4.9	0.6	0.4	77.5	<0.01	0.03	3.7



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**CERTIFICATE OF ANALYSIS WH12193054**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
DD011057		0.007	0.06	10.85	6	<0.05	1.32	53	0.7
DD011058		0.007	0.37	0.55	27	0.16	2.80	195	1.1
DD011059		0.017	0.14	1.06	27	0.09	8.08	100	1.1
DD011060		0.015	0.08	0.30	31	0.13	1.52	40	0.6
DD011061		0.014	0.08	1.56	25	0.11	9.62	67	1.2
DD011062		0.007	0.17	1.30	22	0.09	7.21	115	1.5
DD011063		<0.005	0.25	2.30	22	0.07	7.53	191	1.5
DD011064		0.005	0.23	1.47	20	0.07	7.71	139	1.3
DD011065		0.007	0.23	2.21	22	0.06	7.84	203	1.4
DD011066		0.021	0.09	0.96	32	0.18	3.04	80	1.2
DD011067		0.009	0.11	0.34	28	0.10	1.91	69	1.5
DD011068		<0.005	0.08	2.86	4	<0.05	1.43	81	0.7
DD011081		0.006	0.21	0.91	22	0.08	9.61	81	1.7
DD011082		0.012	0.16	0.97	22	0.09	10.70	100	1.7
DD011083		0.010	0.15	1.20	23	0.13	11.65	220	1.1
DD011084		0.008	0.14	1.46	16	0.08	6.59	80	1.1
DD011085		0.007	0.10	0.80	21	0.07	6.39	78	0.9
DD011086		0.011	0.09	0.79	21	0.10	6.53	66	1.0
DD011087		0.016	0.13	0.43	25	0.10	3.78	44	2.0
DD011088		0.019	0.09	0.97	32	0.21	7.93	67	0.9
DD011089		0.006	0.19	0.63	13	0.07	3.26	24	0.9
DD011090		0.021	0.24	0.68	36	0.25	9.45	71	1.1
DD011091		0.010	0.12	0.24	33	0.11	1.32	31	<0.5
DD011092		<0.005	0.24	0.75	6	0.05	7.38	11	0.8
DD011093		0.009	0.13	0.61	25	0.13	12.65	44	1.4
DD011094		0.015	0.14	0.65	37	0.14	5.99	35	1.3
DD011095		0.016	0.17	0.97	52	0.18	15.90	86	2.8
DD011096		0.012	0.15	0.72	27	0.09	11.10	89	2.1
DD011097		0.007	0.31	3.33	26	0.07	9.93	200	1.7
DD011098		0.007	0.20	3.58	25	0.09	8.49	137	1.5
DD011099		0.010	0.16	1.18	25	0.09	9.63	121	2.1
DD011100		0.017	0.15	0.62	20	0.07	7.23	126	1.7



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Project: Crag East 3

**CERTIFICATE OF ANALYSIS WH12193054**

**CERTIFICATE COMMENTS**

Applies to Method:



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**This copy reported on**  
**19- JUN- 2013**  
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**CERTIFICATE WH12193057**

Project: Crag East 1  
 P.O. No.:  
 This report is for 39 Soil samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

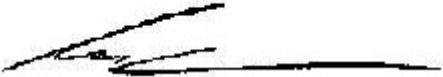
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12193057**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ02527		0.21	0.003	0.10	1.41	136.5	<0.2	<10	160	1.02	0.27	5.73	0.34	24.6	9.7	17
ZZ02528		0.18	0.002	0.05	2.04	122.0	<0.2	10	290	0.95	0.34	3.00	0.36	32.0	9.3	21
ZZ02529		0.23	0.003	0.10	0.97	49.1	<0.2	<10	160	0.83	0.35	3.74	0.17	13.35	12.6	15
ZZ02530		0.20	0.001	0.08	1.60	38.1	<0.2	<10	160	0.96	0.33	0.54	0.11	34.7	9.6	22
ZZ02531		0.21	0.001	0.08	1.40	32.3	<0.2	<10	190	0.89	0.28	0.95	0.24	23.4	10.3	21
ZZ02532		0.25	0.001	0.07	1.04	45.6	<0.2	<10	120	0.82	0.25	1.35	0.08	20.3	8.7	16
ZZ02533		0.20	0.001	0.10	1.29	54.1	<0.2	<10	220	1.08	0.35	0.90	0.18	22.1	12.2	19
ZZ02534		0.26	0.003	0.16	0.79	33.7	<0.2	<10	150	1.12	0.37	1.31	0.15	17.90	12.2	12
ZZ02535		0.25	0.001	0.06	1.06	57.8	<0.2	<10	170	0.95	0.32	0.51	0.11	17.50	9.7	16
ZZ02536		0.17	0.001	0.08	1.36	61.5	<0.2	<10	320	0.95	0.33	1.14	0.33	19.35	11.6	17
ZZ02537		0.20	0.002	0.09	1.12	56.4	<0.2	<10	190	0.86	0.27	1.49	0.21	20.3	8.9	16
ZZ02538		0.17	0.001	0.08	1.54	34.1	<0.2	<10	260	1.01	0.30	0.53	0.34	29.2	9.9	21
ZZ02539		0.22	0.002	0.23	1.34	48.3	<0.2	<10	160	0.86	0.22	6.05	0.18	22.3	8.5	17
ZZ02540		0.23	0.001	0.03	1.80	21.6	<0.2	<10	210	0.69	0.27	0.24	0.05	19.15	10.1	24
ZZ02541		0.20	0.002	0.05	0.41	49.0	<0.2	<10	330	1.32	0.69	0.74	0.02	11.25	17.6	5
ZZ02542		0.20	0.002	0.05	0.52	17.1	<0.2	<10	250	1.17	0.36	2.12	0.05	11.80	13.2	7
ZZ02543		0.18	0.002	0.11	0.80	26.8	<0.2	<10	230	0.82	0.24	2.25	0.53	12.60	9.7	14
ZZ02544		0.22	0.003	0.06	1.47	41.2	<0.2	<10	160	1.28	0.36	0.64	0.17	27.8	14.3	21
ZZ02545		0.21	0.002	0.09	0.75	98.6	<0.2	<10	70	0.66	0.26	5.72	0.22	12.10	9.7	12
ZZ02546		0.22	0.003	0.08	0.76	155.5	<0.2	<10	130	0.93	0.38	4.52	0.10	14.30	14.2	11
ZZ02547		0.15	0.005	0.13	0.91	27.6	<0.2	<10	300	0.63	0.22	2.82	0.39	12.55	7.3	13
ZZ02548		0.17	0.008	0.11	0.80	42.4	<0.2	<10	230	0.69	0.24	3.40	0.27	15.50	8.6	14
ZZ02549		0.20	0.003	0.08	1.10	58.5	<0.2	<10	310	0.96	0.35	1.30	0.19	15.25	13.4	18
ZZ02550		0.21	0.003	0.10	1.01	43.1	<0.2	<10	220	0.95	0.33	1.82	0.31	18.40	13.9	17
ZZ02551		0.22	0.003	0.12	0.86	46.4	<0.2	<10	190	0.90	0.32	2.28	0.32	12.30	11.3	16
ZZ02552		0.21	0.001	0.04	1.07	109.0	<0.2	<10	140	0.79	0.29	0.32	0.28	17.40	8.8	17
ZZ02553		0.18	0.004	0.07	0.93	51.7	<0.2	<10	220	0.93	0.27	2.06	0.26	11.40	9.2	14
ZZ02554		0.17	0.001	0.07	1.16	38.1	<0.2	<10	210	0.84	0.29	1.33	0.38	13.95	8.7	17
ZZ02555		0.12	0.005	0.10	0.96	27.1	<0.2	<10	210	0.52	0.24	2.04	0.74	13.25	9.4	14
ZZ02556		0.15	0.002	0.03	1.16	68.0	<0.2	<10	160	0.95	0.33	0.46	0.09	19.45	11.6	18
ZZ02557		0.19	0.002	0.08	1.29	78.0	<0.2	<10	140	1.09	0.29	3.37	0.10	16.80	9.9	18
ZZ02558		0.19	0.001	0.03	1.58	49.7	<0.2	<10	170	0.87	0.28	0.48	0.08	24.6	10.3	22
ZZ02559		0.18	0.001	0.04	1.37	64.9	<0.2	<10	160	1.15	0.32	0.28	0.08	23.3	14.0	24
ZZ02560		0.18	0.005	0.02	1.71	27.3	<0.2	<10	160	0.79	0.25	0.39	0.19	23.0	9.7	24
ZZ02561		0.19	0.002	0.03	1.55	27.5	<0.2	<10	250	0.58	0.28	0.28	0.07	17.15	10.5	25
ZZ02562		0.20	0.004	0.10	1.45	31.5	<0.2	<10	260	0.92	0.28	0.82	0.23	23.3	11.2	25
ZZ02563		0.18	0.001	0.03	1.58	54.2	<0.2	<10	190	0.67	0.27	0.24	0.04	18.55	10.5	25
ZZ02564		0.21	0.003	0.08	1.25	46.3	<0.2	10	210	0.96	0.29	1.93	0.20	13.65	10.6	20
ZZ02565		0.12	0.008	0.10	0.91	46.0	<0.2	10	230	0.74	0.20	2.68	0.62	9.48	8.1	14



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**CERTIFICATE OF ANALYSIS WH12193057**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
ZZ02527		0.91	18.2	4.02	3.92	0.09	0.08	0.12	0.032	0.10	11.4	12.7	3.41	1780	0.76	0.01
ZZ02528		1.39	11.6	4.30	5.44	0.09	0.10	0.03	0.036	0.13	15.1	14.4	1.75	2630	0.67	0.01
ZZ02529		0.87	37.2	3.39	3.25	0.08	0.06	0.46	0.035	0.10	5.8	13.5	1.36	751	0.74	0.01
ZZ02530		1.32	12.6	3.58	4.91	0.09	0.07	0.04	0.034	0.08	14.7	12.9	0.28	711	0.75	0.01
ZZ02531		0.90	21.9	3.29	4.41	0.08	0.06	0.05	0.034	0.09	9.7	13.0	0.29	1050	0.78	0.01
ZZ02532		1.27	18.3	3.10	3.20	<0.05	0.07	0.47	0.029	0.07	8.2	9.7	0.44	619	0.54	<0.01
ZZ02533		0.77	30.2	3.85	3.91	0.05	0.07	0.52	0.038	0.10	9.3	15.3	0.49	986	0.73	<0.01
ZZ02534		0.96	29.7	3.46	2.34	<0.05	0.06	0.39	0.035	0.08	7.1	10.5	0.47	623	0.59	<0.01
ZZ02535		0.90	24.6	3.53	3.35	<0.05	0.06	0.60	0.039	0.08	7.3	10.6	0.26	575	0.61	<0.01
ZZ02536		1.19	25.1	3.65	3.64	<0.05	0.07	0.62	0.038	0.09	7.7	13.6	0.53	1270	0.68	<0.01
ZZ02537		2.34	23.8	3.43	3.09	<0.05	0.08	0.33	0.036	0.08	8.8	10.5	0.71	722	0.62	<0.01
ZZ02538		1.53	15.4	3.53	4.45	<0.05	0.05	0.08	0.036	0.09	10.5	15.6	0.31	1380	0.66	<0.01
ZZ02539		0.80	17.1	3.45	3.71	<0.05	0.05	0.23	0.024	0.06	12.4	10.7	3.94	1640	0.66	0.01
ZZ02540		0.94	13.9	3.15	5.71	<0.05	0.06	0.10	0.029	0.04	7.6	21.5	0.43	399	0.46	<0.01
ZZ02541		4.02	32.1	2.30	1.12	<0.05	0.04	0.55	0.035	0.10	3.2	3.3	0.16	254	0.31	<0.01
ZZ02542		4.08	28.1	2.18	1.74	<0.05	0.03	0.22	0.027	0.15	5.3	3.6	0.28	495	0.28	<0.01
ZZ02543		1.82	29.8	2.48	2.46	<0.05	0.05	0.47	0.028	0.09	5.4	9.5	0.45	982	0.81	<0.01
ZZ02544		0.85	29.7	4.11	4.36	<0.05	0.07	0.57	0.039	0.10	9.2	17.1	0.35	787	1.17	<0.01
ZZ02545		3.41	27.0	2.90	2.43	<0.05	0.04	0.49	0.032	0.06	5.0	10.0	1.31	632	0.56	<0.01
ZZ02546		1.19	31.4	3.52	2.24	<0.05	0.05	0.79	0.028	0.11	6.7	6.9	2.77	863	0.58	0.01
ZZ02547		1.59	26.4	2.29	2.69	<0.05	0.04	0.27	0.027	0.06	5.5	10.7	0.62	580	0.48	<0.01
ZZ02548		1.23	22.4	2.95	2.50	<0.05	0.04	0.31	0.032	0.07	6.0	9.5	1.66	737	0.66	<0.01
ZZ02549		0.95	39.3	3.65	3.68	<0.05	0.05	0.53	0.037	0.08	5.9	14.4	0.55	1160	0.67	<0.01
ZZ02550		1.16	33.7	3.44	3.54	<0.05	0.04	0.42	0.032	0.08	6.9	14.7	1.04	1000	0.85	<0.01
ZZ02551		2.26	30.2	3.09	2.93	<0.05	0.06	0.75	0.036	0.10	4.8	10.6	0.90	583	1.17	<0.01
ZZ02552		0.96	15.8	3.08	3.42	<0.05	0.05	0.41	0.032	0.07	6.4	10.6	0.27	773	0.83	<0.01
ZZ02553		0.99	24.3	2.82	2.73	<0.05	0.03	0.49	0.029	0.07	4.6	8.7	0.54	787	0.88	<0.01
ZZ02554		0.88	18.0	2.89	3.53	<0.05	0.04	0.22	0.031	0.08	5.1	11.7	0.35	605	0.72	<0.01
ZZ02555		0.63	16.2	2.44	3.44	<0.05	0.02	0.17	0.025	0.05	4.4	12.8	0.34	555	0.57	<0.01
ZZ02556		0.44	37.6	3.93	3.49	<0.05	0.06	0.51	0.039	0.09	8.7	11.7	0.37	857	0.59	<0.01
ZZ02557		0.70	27.6	4.10	3.92	<0.05	0.10	0.64	0.036	0.06	9.1	11.3	2.06	1060	0.65	<0.01
ZZ02558		0.93	18.4	3.65	4.63	<0.05	0.07	0.22	0.033	0.05	9.8	12.9	0.48	913	0.75	<0.01
ZZ02559		0.80	27.5	4.19	4.47	<0.05	0.07	0.45	0.043	0.08	9.1	14.6	0.34	1030	0.70	0.01
ZZ02560		0.89	9.2	3.44	5.35	<0.05	0.07	0.16	0.030	0.06	8.7	13.8	0.41	1130	0.50	0.02
ZZ02561		0.58	14.3	3.40	4.93	<0.05	0.06	0.15	0.027	0.06	7.4	17.3	0.43	538	0.58	0.02
ZZ02562		0.69	20.1	3.33	4.46	<0.05	0.04	0.35	0.029	0.07	10.0	17.5	0.50	692	0.65	0.02
ZZ02563		0.92	15.3	3.46	5.18	<0.05	0.05	0.27	0.028	0.06	8.4	22.6	0.41	278	0.53	0.02
ZZ02564		1.66	32.1	3.23	4.10	<0.05	0.09	0.50	0.030	0.10	5.7	18.0	0.54	705	0.49	0.02
ZZ02565		0.77	23.5	2.47	2.67	<0.05	0.05	0.51	0.022	0.08	4.2	10.4	0.48	538	0.54	0.02

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**CERTIFICATE OF ANALYSIS WH12193057**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ02527		0.47	20.5	660	26.1	11.8	<0.001	0.04	0.75	4.0	0.8	0.5	26.4	0.01	0.07	2.2
ZZ02528		0.69	17.1	690	27.1	14.2	<0.001	0.05	0.59	4.0	0.6	0.7	20.8	0.01	0.08	2.5
ZZ02529		0.44	23.7	550	26.1	6.8	<0.001	0.04	0.76	5.2	0.7	0.5	57.3	<0.01	0.04	3.2
ZZ02530		0.64	19.6	150	31.5	7.8	<0.001	0.01	0.79	4.9	0.5	0.6	13.7	<0.01	0.06	5.3
ZZ02531		0.71	22.1	290	25.1	10.8	<0.001	0.03	0.66	4.5	0.7	0.6	21.3	<0.01	0.05	3.0
ZZ02532		0.45	18.6	240	26.5	7.9	<0.001	0.02	0.92	5.8	0.7	0.5	47.0	<0.01	0.02	3.5
ZZ02533		0.53	25.3	240	35.8	13.2	<0.001	0.02	0.84	6.8	0.7	0.6	26.1	<0.01	0.04	4.3
ZZ02534		0.31	29.9	340	31.0	7.3	<0.001	0.03	0.58	5.6	0.8	0.5	40.9	<0.01	0.02	3.6
ZZ02535		0.43	20.8	190	30.7	9.8	<0.001	0.01	0.68	6.2	0.8	0.5	22.9	<0.01	0.03	3.9
ZZ02536		0.46	20.9	340	33.4	11.2	<0.001	0.03	0.85	5.4	0.6	0.6	20.8	<0.01	0.04	2.8
ZZ02537		0.41	22.6	430	30.3	12.4	<0.001	0.03	1.03	5.1	0.7	0.5	21.3	<0.01	0.02	2.6
ZZ02538		0.78	21.0	230	31.7	15.3	<0.001	0.01	0.59	4.8	0.2	0.6	22.4	<0.01	0.03	3.5
ZZ02539		0.63	21.5	860	27.2	8.6	<0.001	0.03	0.93	3.7	0.7	0.5	30.2	<0.01	0.04	1.7
ZZ02540		0.57	20.5	100	19.9	11.4	<0.001	<0.01	0.41	3.7	0.3	0.6	9.4	<0.01	0.01	3.5
ZZ02541		0.11	26.0	230	15.4	7.0	<0.001	0.03	0.81	9.8	0.5	0.4	17.2	<0.01	0.07	2.9
ZZ02542		0.24	21.8	380	10.2	12.5	<0.001	0.05	0.39	3.5	0.8	0.4	39.1	<0.01	0.03	1.0
ZZ02543		0.36	24.1	560	18.0	13.0	0.001	0.08	0.76	3.6	1.3	0.4	51.7	<0.01	0.03	1.2
ZZ02544		0.54	28.9	240	29.8	13.0	<0.001	0.02	0.78	6.4	0.8	0.6	23.3	<0.01	0.05	4.3
ZZ02545		0.36	19.9	540	21.4	7.2	<0.001	0.03	1.28	5.1	0.4	0.4	62.6	<0.01	0.03	2.1
ZZ02546		0.29	22.9	480	31.1	7.6	<0.001	0.03	2.47	6.8	0.3	0.5	32.1	<0.01	0.04	2.5
ZZ02547		0.45	18.1	610	15.7	11.6	<0.001	0.09	0.64	2.7	0.9	0.4	67.7	<0.01	0.01	0.8
ZZ02548		0.35	18.6	380	19.5	11.1	<0.001	0.04	0.67	4.1	0.7	0.4	42.5	<0.01	0.02	1.6
ZZ02549		0.48	25.8	340	29.8	8.3	<0.001	0.03	0.72	5.6	0.8	0.6	37.6	<0.01	0.02	2.8
ZZ02550		0.47	29.1	400	27.2	9.2	<0.001	0.02	0.71	5.9	0.6	0.6	32.1	<0.01	0.04	3.2
ZZ02551		0.38	26.8	430	28.3	10.1	0.001	0.02	0.90	5.4	0.6	0.5	39.2	<0.01	0.03	3.2
ZZ02552		0.56	18.4	160	22.7	12.8	<0.001	0.01	1.05	3.9	0.4	0.5	13.0	<0.01	0.03	3.2
ZZ02553		0.35	20.8	380	22.9	8.3	<0.001	0.05	1.08	3.5	0.9	0.5	34.2	<0.01	0.03	1.0
ZZ02554		0.48	17.0	340	21.7	13.7	<0.001	0.03	0.71	3.7	0.6	0.5	22.6	<0.01	0.02	1.6
ZZ02555		0.75	14.5	540	21.0	8.7	<0.001	0.05	0.44	2.3	0.2	0.5	28.6	<0.01	0.04	0.9
ZZ02556		0.61	21.9	130	28.7	11.6	<0.001	0.01	0.70	6.7	0.4	0.6	13.5	<0.01	0.02	4.7
ZZ02557		0.54	23.3	540	25.7	8.8	<0.001	0.02	1.20	6.6	0.8	0.5	26.4	<0.01	0.04	3.4
ZZ02558		0.76	20.1	140	24.1	9.6	<0.001	<0.01	0.93	5.2	0.2	0.6	9.7	<0.01	0.03	4.3
ZZ02559		0.76	25.3	140	30.2	11.8	<0.001	0.02	0.99	5.8	0.8	0.6	8.6	<0.01	0.03	4.7
ZZ02560		1.01	17.3	170	22.7	11.8	<0.001	0.02	0.43	4.0	0.4	0.7	7.8	<0.01	0.03	3.6
ZZ02561		0.91	19.8	120	20.0	10.2	<0.001	0.02	0.47	3.2	0.3	0.6	8.5	<0.01	0.02	3.8
ZZ02562		0.94	24.8	280	20.3	9.2	<0.001	0.03	0.65	4.2	1.3	0.6	18.2	<0.01	0.02	3.0
ZZ02563		0.89	21.0	110	19.2	10.6	<0.001	0.01	0.59	3.2	0.5	0.6	11.1	<0.01	0.04	3.8
ZZ02564		0.64	23.9	630	21.8	10.1	0.002	0.15	0.79	4.1	1.5	0.5	33.6	<0.01	0.03	2.1
ZZ02565		0.43	18.3	570	17.6	7.5	0.001	0.19	0.88	2.4	1.5	0.4	40.5	<0.01	0.01	0.9

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ02527		0.006	0.22	1.31	28	0.07	13.10	82	2.0
ZZ02528		0.012	0.19	0.87	40	0.08	11.80	126	2.7
ZZ02529		0.005	0.17	0.86	20	<0.05	8.68	103	1.9
ZZ02530		0.009	0.29	0.73	37	0.06	9.02	46	2.5
ZZ02531		0.013	0.16	1.15	32	0.07	7.38	76	1.6
ZZ02532		0.012	0.19	0.92	22	0.10	11.35	58	1.9
ZZ02533		0.012	0.18	0.91	28	0.10	13.70	97	1.8
ZZ02534		0.009	0.18	0.87	15	0.07	15.20	95	2.0
ZZ02535		0.010	0.15	0.90	21	0.08	10.25	84	1.6
ZZ02536		0.011	0.17	1.04	26	0.08	9.44	87	1.6
ZZ02537		0.011	0.22	1.05	23	0.09	11.30	83	1.9
ZZ02538		0.020	0.16	0.50	35	0.11	7.25	80	1.4
ZZ02539		0.022	0.17	1.42	30	0.12	11.45	74	1.2
ZZ02540		0.014	0.15	0.42	32	0.10	2.77	57	1.9
ZZ02541		0.007	0.20	0.37	8	<0.05	11.05	17	1.2
ZZ02542		0.009	0.15	0.69	10	<0.05	12.15	31	0.8
ZZ02543		0.010	0.16	3.61	19	0.06	8.66	94	1.3
ZZ02544		0.009	0.17	1.21	29	0.07	12.30	95	2.1
ZZ02545		0.011	0.20	0.66	17	0.07	9.26	90	1.2
ZZ02546		0.010	0.42	0.80	16	0.10	10.50	55	1.5
ZZ02547		0.015	0.09	3.48	18	0.07	6.43	77	1.1
ZZ02548		0.012	0.11	1.53	19	0.07	7.65	78	1.0
ZZ02549		0.011	0.17	1.06	22	0.09	9.60	106	1.3
ZZ02550		0.012	0.18	0.83	23	0.08	9.30	93	1.4
ZZ02551		0.012	0.26	0.96	24	0.09	7.34	116	1.7
ZZ02552		0.014	0.16	0.65	26	0.12	4.75	70	1.3
ZZ02553		0.010	0.18	1.08	22	0.08	7.15	68	1.0
ZZ02554		0.012	0.14	0.91	25	0.09	4.41	87	1.2
ZZ02555		0.019	0.07	0.64	23	0.11	3.27	116	0.8
ZZ02556		0.013	0.15	0.55	23	0.08	10.65	88	1.8
ZZ02557		0.012	0.19	1.05	24	0.12	13.95	82	2.4
ZZ02558		0.017	0.19	0.58	32	0.13	6.45	63	2.4
ZZ02559		0.010	0.19	0.54	29	0.12	7.53	79	1.9
ZZ02560		0.015	0.16	0.90	37	0.11	5.07	78	2.0
ZZ02561		0.017	0.10	0.60	35	0.12	2.72	65	1.8
ZZ02562		0.020	0.11	0.88	35	0.20	7.10	112	1.1
ZZ02563		0.013	0.13	0.58	33	0.15	3.50	66	1.9
ZZ02564		0.007	0.38	1.45	22	0.08	7.75	195	2.0
ZZ02565		0.006	0.33	3.27	19	0.07	6.25	226	1.3



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Page: Appendix 1  
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Account: MTT

Project: Crag East 1

**CERTIFICATE OF ANALYSIS WH12193057**

**CERTIFICATE COMMENTS**

Applies to Method:



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**19- JUN- 2013**  
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**CERTIFICATE WH12193058**

Project: Crag East 2  
 P.O. No.:  
 This report is for 118 Soil samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

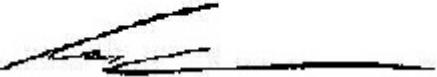
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/ o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143851		0.17	0.003	0.05	2.01	9.4	<0.2	<10	90	1.23	0.43	0.05	0.15	17.75	11.0	34
CC143852		0.23	0.003	0.08	1.97	10.8	<0.2	<10	80	1.74	0.51	0.05	0.09	17.20	22.9	32
CC143853		0.27	0.009	0.07	2.17	5.7	<0.2	<10	160	1.75	0.50	0.03	0.08	7.18	28.1	34
CC143854		0.27	0.004	0.06	1.90	4.7	<0.2	<10	120	1.24	0.41	0.04	0.10	12.40	20.2	36
CC143855		0.18	0.010	0.21	1.85	2.7	<0.2	<10	640	3.20	0.40	0.19	0.05	18.50	24.4	36
CC143856		0.15	0.004	0.12	1.48	5.9	<0.2	<10	110	0.61	0.33	0.05	0.11	11.50	25.0	25
CC143857		0.26	0.002	0.06	1.93	16.1	<0.2	<10	110	1.67	0.50	0.15	0.14	30.3	26.9	35
CC143858		0.18	0.001	0.07	1.68	20.2	<0.2	<10	120	1.25	0.48	0.06	0.09	23.9	19.4	24
CC143859		0.20	0.001	0.05	1.94	11.5	<0.2	<10	70	0.87	0.45	0.02	0.13	17.00	17.4	30
CC143860		0.16	0.004	0.15	2.00	11.1	<0.2	<10	120	0.96	0.38	0.07	0.16	17.70	19.2	34
CC143861		0.24	0.003	0.05	1.86	4.9	<0.2	<10	70	0.85	0.47	0.03	0.11	11.20	20.7	31
CC143862		0.26	0.002	0.04	1.40	5.1	<0.2	<10	80	0.92	0.49	0.03	0.07	8.66	21.8	32
CC143863		0.22	0.001	0.03	2.13	9.7	<0.2	<10	90	1.12	0.38	0.05	0.16	13.20	15.9	27
CC143864		0.17	0.002	0.06	1.48	9.5	<0.2	<10	60	0.64	0.43	0.04	0.13	11.15	14.5	25
CC143865		0.23	0.001	0.07	1.74	12.0	<0.2	<10	70	1.09	0.49	0.03	0.09	13.30	19.8	29
CC143866		0.18	0.002	0.06	1.98	5.2	<0.2	<10	140	1.59	0.44	0.11	0.05	15.40	25.1	34
CC143867		0.26	0.002	0.03	1.96	9.1	<0.2	<10	130	1.87	0.52	0.08	0.03	18.75	27.0	30
CC143868		0.21	0.001	0.04	2.15	4.5	<0.2	<10	120	1.97	0.48	0.04	0.05	16.35	27.2	32
CC143869		0.21	0.003	0.04	1.80	10.2	<0.2	<10	110	1.59	0.48	0.04	0.09	21.3	21.2	30
CC143870		0.25	0.006	0.05	1.99	8.2	<0.2	<10	100	1.62	0.44	0.03	0.10	20.1	24.9	32
CC143871		0.20	0.003	0.09	1.78	10.9	<0.2	<10	90	1.17	0.41	0.03	0.07	15.50	14.8	29
CC143872		0.13	0.002	0.16	1.66	9.6	<0.2	<10	190	1.18	0.45	0.15	0.08	13.20	12.4	28
CC143873		0.19	0.005	0.05	1.82	8.4	<0.2	<10	120	1.43	0.47	0.08	0.10	15.80	18.5	30
CC143874		0.17	0.003	0.14	0.91	24.2	<0.2	<10	120	0.85	0.25	2.15	0.19	28.2	8.2	12
CC143875		0.15	0.005	0.13	1.28	32.6	<0.2	<10	140	0.78	0.25	1.13	0.40	35.6	11.0	27
CC143876		0.15	0.003	0.11	1.41	26.4	<0.2	<10	140	0.86	0.25	1.67	0.21	26.4	8.0	16
CC143877		0.15	0.002	0.08	1.36	45.8	<0.2	<10	170	0.94	0.28	0.47	0.30	27.8	9.1	18
CC143878		0.24	0.001	0.06	1.48	59.1	<0.2	<10	90	0.70	0.30	0.05	0.15	23.0	9.4	19
CC143879		0.16	<0.001	0.08	1.61	26.4	<0.2	<10	90	0.53	0.32	0.09	0.12	15.25	8.2	24
CC143880		0.21	0.002	0.11	1.33	37.1	<0.2	<10	70	0.57	0.30	0.04	0.13	14.50	9.1	19
CC143881		0.23	NSS	0.06	1.59	28.9	<0.2	<10	110	0.79	0.32	0.07	0.21	25.4	11.7	23
CC143882		0.18	0.003	0.09	0.95	23.4	<0.2	<10	50	0.31	0.27	0.03	0.11	9.90	8.2	16
CC143883		0.17	0.004	0.04	1.55	11.2	<0.2	<10	70	0.64	0.35	0.05	0.20	16.55	9.9	27
CC143884		0.21	0.001	0.08	1.34	11.3	<0.2	<10	90	0.83	0.35	0.05	0.18	13.80	14.0	23
CC143885		0.17	0.005	0.04	1.42	11.7	<0.2	<10	70	0.81	0.35	0.04	0.14	15.35	14.7	24
CC143886		0.19	0.002	0.04	1.50	4.1	<0.2	<10	60	1.32	0.47	0.03	0.08	6.57	24.6	24
CC143887		0.20	0.003	0.06	1.39	8.8	<0.2	<10	70	0.69	0.31	0.04	0.18	14.10	9.9	25
CC143888		0.21	0.002	0.04	1.62	8.5	<0.2	<10	70	0.56	0.32	0.04	0.11	15.70	8.6	26
CC143889		0.26	0.002	0.03	1.23	3.6	<0.2	<10	50	0.79	0.40	0.02	0.12	10.05	13.8	31
CC143890		0.25	0.002	0.06	1.20	10.5	<0.2	<10	80	0.84	0.26	0.09	0.22	19.15	12.1	22



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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
CC143851		4.53	23.6	4.99	7.59	<0.05	<0.02	0.03	0.028	0.06	7.1	30.3	0.39	542	1.15	0.02
CC143852		6.56	34.0	3.86	7.89	<0.05	0.08	0.06	0.037	0.08	6.1	42.1	0.47	1340	0.84	0.01
CC143853		6.09	44.3	5.30	7.83	<0.05	0.14	0.04	0.036	0.07	2.6	49.7	0.59	2450	0.88	0.02
CC143854		5.58	43.2	4.66	7.09	<0.05	0.04	0.02	0.032	0.08	4.8	33.8	0.59	1150	0.82	0.02
CC143855		11.05	53.4	4.13	6.42	0.05	0.08	0.03	0.029	0.09	5.7	35.3	0.59	1620	0.43	0.02
CC143856		2.51	24.0	3.59	6.52	<0.05	<0.02	0.05	0.025	0.07	4.5	14.9	0.32	2840	1.35	0.02
CC143857		4.11	37.9	4.87	8.59	0.06	0.03	0.02	0.035	0.09	10.9	37.8	0.51	1720	0.75	0.02
CC143858		2.84	26.9	3.53	6.09	<0.05	0.02	0.04	0.027	0.12	7.2	26.8	0.34	1640	1.43	0.02
CC143859		2.33	27.9	4.40	7.47	<0.05	0.04	0.02	0.031	0.09	6.2	34.9	0.43	1360	0.96	0.01
CC143860		2.10	22.7	5.34	8.37	<0.05	<0.02	0.07	0.037	0.09	7.1	15.3	0.23	2570	1.84	0.02
CC143861		4.11	44.0	4.21	7.48	<0.05	0.03	0.03	0.030	0.10	4.3	29.8	0.49	1940	1.00	0.02
CC143862		3.77	24.9	4.99	5.90	<0.05	0.02	0.02	0.028	0.08	2.8	28.0	0.51	1140	0.62	0.01
CC143863		3.17	32.6	3.77	6.74	<0.05	0.08	0.01	0.028	0.06	4.6	54.4	0.50	634	0.79	0.01
CC143864		3.15	26.8	4.36	7.69	<0.05	0.04	0.06	0.025	0.08	4.5	19.9	0.26	1080	1.06	0.01
CC143865		5.18	36.6	4.83	7.71	<0.05	0.05	0.04	0.032	0.08	4.6	32.4	0.37	1500	1.15	0.02
CC143866		4.03	39.9	4.47	7.50	0.05	0.04	0.02	0.026	0.12	4.8	45.6	0.71	1190	0.60	0.02
CC143867		3.83	41.5	4.21	7.58	<0.05	0.06	0.02	0.038	0.13	5.4	37.9	0.47	2050	0.68	0.02
CC143868		4.75	45.4	4.46	7.32	<0.05	0.09	0.03	0.030	0.13	4.9	41.3	0.57	1280	0.78	0.02
CC143869		4.63	37.4	4.16	7.41	<0.05	0.04	0.02	0.035	0.11	7.5	31.5	0.41	1490	0.96	0.01
CC143870		3.86	36.4	4.93	7.88	<0.05	0.06	0.04	0.036	0.13	6.2	27.8	0.44	1980	1.08	0.02
CC143871		3.97	26.1	3.61	6.76	<0.05	0.03	0.11	0.025	0.13	5.1	28.1	0.39	985	1.14	0.02
CC143872		2.70	26.9	3.32	6.57	<0.05	0.03	0.03	0.024	0.10	5.2	24.7	0.41	530	0.65	0.02
CC143873		3.09	38.0	3.79	6.44	<0.05	0.03	0.02	0.022	0.11	5.8	34.7	0.50	946	0.71	0.01
CC143874		0.57	18.2	2.47	2.52	0.05	0.03	0.17	0.027	0.06	16.4	5.7	0.14	634	0.60	0.02
CC143875		0.68	18.6	3.01	3.51	0.06	0.03	0.12	0.027	0.06	17.6	9.1	0.28	1030	0.92	0.02
CC143876		0.72	17.3	2.78	3.48	0.05	0.05	0.10	0.029	0.05	17.8	7.5	0.20	686	0.73	0.02
CC143877		1.03	20.6	3.08	3.41	<0.05	0.07	0.13	0.030	0.07	13.5	10.3	0.23	611	0.73	0.01
CC143878		1.42	23.1	3.47	3.86	<0.05	0.02	0.17	0.035	0.05	6.8	12.5	0.19	471	0.88	0.01
CC143879		1.48	18.6	3.42	5.39	<0.05	<0.02	0.07	0.024	0.05	5.8	15.1	0.25	589	0.95	0.02
CC143880		1.53	24.2	3.36	4.55	<0.05	<0.02	0.10	0.028	0.05	5.5	12.0	0.19	440	0.97	0.01
CC143881		6.14	28.3	3.69	4.55	<0.05	0.04	0.12	0.033	0.07	7.0	27.1	0.31	494	0.89	0.01
CC143882		1.82	20.3	2.88	3.81	<0.05	<0.02	0.06	0.021	0.05	4.2	7.7	0.14	459	0.85	0.01
CC143883		1.54	21.5	3.70	5.62	0.09	<0.02	0.06	0.032	0.06	7.2	17.3	0.28	522	1.41	0.01
CC143884		3.18	38.1	3.84	5.63	0.09	<0.02	0.05	0.031	0.07	5.4	17.8	0.24	969	1.46	0.01
CC143885		2.06	32.6	3.88	4.98	0.08	0.02	0.04	0.030	0.06	5.6	26.2	0.33	706	1.14	0.01
CC143886		4.48	20.3	4.40	5.21	0.07	0.04	0.05	0.027	0.07	2.5	28.8	0.41	1400	0.95	0.01
CC143887		1.98	23.7	3.61	5.41	0.07	<0.02	0.11	0.026	0.06	6.0	15.9	0.24	658	1.29	0.01
CC143888		2.42	16.7	3.35	6.36	0.09	<0.02	0.04	0.028	0.05	6.8	19.8	0.29	647	1.46	0.01
CC143889		3.62	18.4	4.72	5.08	0.08	<0.02	0.03	0.029	0.06	4.6	18.5	0.30	624	1.08	0.01
CC143890		1.30	28.3	3.16	4.14	0.09	0.02	0.08	0.022	0.05	8.5	20.4	0.35	406	1.18	0.01

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





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 Account: MTT

Project: Crag East 2

**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units LOR	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
CC143851		0.70	20.7	680	29.0	10.9	<0.001	0.04	0.51	1.7	0.3	0.7	6.9	<0.01	0.04	0.6
CC143852		0.39	30.3	710	58.3	12.0	<0.001	0.04	0.36	3.7	0.7	0.7	9.3	<0.01	0.04	2.4
CC143853		0.39	28.5	1240	37.9	12.5	<0.001	0.08	0.40	2.9	<0.2	0.6	5.4	<0.01	0.05	2.2
CC143854		0.51	31.9	750	27.1	11.9	<0.001	0.02	0.43	3.4	0.2	0.8	8.5	<0.01	0.04	2.3
CC143855		0.34	33.3	970	31.1	15.2	<0.001	0.10	0.22	4.0	0.5	0.7	22.5	<0.01	0.05	1.9
CC143856		0.28	17.1	1250	22.0	11.6	<0.001	0.14	0.55	0.9	0.3	0.7	7.8	<0.01	0.06	0.2
CC143857		0.23	36.0	560	116.0	9.4	<0.001	0.03	0.29	5.5	0.4	0.9	18.3	<0.01	0.03	6.3
CC143858		0.46	23.3	710	61.4	15.3	<0.001	0.06	0.80	2.4	<0.2	0.7	11.2	<0.01	0.02	2.1
CC143859		0.50	23.8	770	49.7	13.4	<0.001	0.02	0.44	3.2	0.2	0.8	8.4	<0.01	0.03	2.9
CC143860		0.53	16.3	1140	41.1	13.7	<0.001	0.10	0.84	0.7	0.2	0.8	9.3	<0.01	0.07	0.2
CC143861		0.44	25.5	1120	26.5	16.6	<0.001	0.03	0.51	2.7	0.3	0.9	6.4	<0.01	0.05	1.8
CC143862		0.40	29.1	890	38.0	12.1	<0.001	0.02	0.50	2.2	<0.2	0.9	5.6	<0.01	0.09	2.0
CC143863		0.59	29.8	520	28.4	10.3	<0.001	0.02	0.43	2.6	0.2	0.7	7.8	<0.01	0.06	2.2
CC143864		0.59	16.7	880	29.0	13.1	<0.001	0.05	0.50	2.1	0.4	0.7	6.6	<0.01	0.05	1.7
CC143865		0.52	22.5	920	46.1	14.1	<0.001	0.06	0.57	2.8	<0.2	0.7	6.9	<0.01	0.05	1.9
CC143866		0.45	36.2	570	35.3	13.0	<0.001	0.04	0.29	3.9	<0.2	0.9	14.4	<0.01	0.02	3.9
CC143867		0.31	31.8	630	48.5	14.4	<0.001	0.05	0.36	3.8	0.2	0.8	15.6	<0.01	0.04	2.8
CC143868		0.53	33.7	730	35.4	16.7	<0.001	0.05	0.39	3.9	0.2	0.8	8.0	<0.01	0.04	3.3
CC143869		0.45	27.8	780	54.9	16.6	<0.001	0.03	0.53	3.0	0.3	0.8	12.2	<0.01	0.04	2.3
CC143870		0.46	28.2	1170	42.1	18.0	<0.001	0.04	0.52	3.6	0.4	0.8	10.3	<0.01	0.06	2.8
CC143871		0.40	22.0	1040	37.5	17.9	<0.001	0.11	0.59	1.7	0.2	0.8	19.4	<0.01	0.04	1.1
CC143872		0.48	22.9	900	20.8	15.1	<0.001	0.08	0.32	2.3	0.2	0.8	21.9	<0.01	0.04	1.7
CC143873		0.41	28.4	650	25.4	13.2	<0.001	0.03	0.37	3.2	0.4	2.7	15.7	<0.01	0.04	2.5
CC143874		0.30	18.3	1410	21.4	6.4	0.001	0.15	0.46	1.3	1.0	0.4	70.0	<0.01	0.03	0.4
CC143875		0.40	25.9	1010	22.7	7.3	<0.001	0.08	0.72	2.0	0.9	0.4	46.4	<0.01	0.04	0.6
CC143876		0.36	16.9	2060	20.3	6.9	<0.001	0.17	0.58	1.6	0.8	0.4	60.8	<0.01	0.03	0.6
CC143877		0.39	22.3	1490	19.0	8.8	<0.001	0.09	0.61	2.7	0.7	0.5	24.0	<0.01	0.04	1.2
CC143878		0.39	20.9	880	20.8	9.1	<0.001	0.06	0.68	1.8	0.3	0.6	7.6	<0.01	0.03	0.7
CC143879		0.47	18.3	920	18.6	10.5	<0.001	0.07	0.59	1.2	<0.2	0.6	8.2	<0.01	0.04	0.5
CC143880		0.34	20.1	1050	17.9	11.5	<0.001	0.07	0.59	1.0	<0.2	0.5	7.1	<0.01	0.03	0.3
CC143881		0.64	27.8	680	25.1	11.6	<0.001	0.04	0.58	2.6	<0.2	0.5	9.5	<0.01	0.03	1.6
CC143882		0.32	15.8	960	15.7	7.2	0.001	0.07	0.49	0.7	<0.2	0.4	5.3	<0.01	0.03	0.2
CC143883		0.44	21.1	690	17.6	10.4	<0.001	0.04	0.65	0.9	<0.2	0.6	7.0	<0.01	0.02	0.3
CC143884		0.36	24.5	920	21.4	11.0	<0.001	0.07	0.63	1.1	0.4	0.6	7.6	<0.01	0.03	0.3
CC143885		0.41	28.1	620	18.8	8.8	<0.001	0.04	0.49	2.1	0.3	0.5	7.2	<0.01	0.01	0.9
CC143886		0.30	29.5	1000	30.8	10.8	<0.001	0.04	0.38	2.6	0.3	0.5	5.7	<0.01	0.04	1.7
CC143887		0.43	19.6	860	15.5	11.2	<0.001	0.07	0.60	1.0	0.3	0.6	6.6	<0.01	0.04	0.3
CC143888		0.46	18.8	720	15.0	12.0	<0.001	0.05	0.60	0.8	0.3	0.7	6.2	<0.01	0.02	0.2
CC143889		0.51	26.4	610	14.0	10.5	<0.001	0.04	0.50	3.1	<0.2	0.7	7.0	<0.01	0.03	1.5
CC143890		0.54	27.6	580	13.3	6.6	<0.001	0.02	0.62	2.2	0.2	0.4	9.7	<0.01	0.01	1.4



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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143851		0.026	0.10	0.84	42	0.14	5.34	80	<0.5
CC143852		0.011	0.10	1.43	28	0.07	7.73	90	1.8
CC143853		0.011	0.09	0.88	30	0.07	4.38	90	3.4
CC143854		0.019	0.09	1.10	38	0.12	5.88	93	0.9
CC143855		0.009	0.08	1.35	28	0.09	21.4	80	1.6
CC143856		0.017	0.13	0.85	38	0.12	4.12	67	<0.5
CC143857		0.009	0.08	2.06	31	<0.05	17.10	128	1.3
CC143858		0.017	0.16	0.91	27	0.10	6.99	72	0.6
CC143859		0.018	0.12	0.84	34	0.08	5.15	106	0.7
CC143860		0.024	0.12	0.95	53	0.16	5.38	79	<0.5
CC143861		0.019	0.12	0.87	36	0.11	5.27	84	0.8
CC143862		0.021	0.09	0.91	36	0.12	5.31	87	0.7
CC143863		0.017	0.11	0.54	29	0.07	4.70	96	2.3
CC143864		0.015	0.11	0.63	35	0.10	3.52	65	1.1
CC143865		0.016	0.09	0.83	32	0.10	4.70	78	1.3
CC143866		0.017	0.10	1.03	29	0.07	8.81	103	0.8
CC143867		0.011	0.13	1.14	24	<0.05	7.91	92	1.5
CC143868		0.019	0.13	0.95	27	0.06	7.30	97	2.2
CC143869		0.016	0.14	1.00	32	0.09	6.86	86	0.8
CC143870		0.016	0.14	1.00	33	0.07	7.99	93	1.4
CC143871		0.016	0.19	0.98	30	0.07	5.48	77	0.6
CC143872		0.013	0.12	0.96	31	0.08	6.88	70	0.9
CC143873		0.014	0.11	1.10	31	0.09	7.81	85	0.8
CC143874		0.007	0.11	2.84	20	0.09	16.40	68	1.1
CC143875		0.016	0.09	0.85	30	0.14	15.60	111	0.7
CC143876		0.011	0.08	1.75	28	0.11	17.05	81	1.0
CC143877		0.010	0.11	1.17	26	0.10	16.05	90	1.5
CC143878		0.011	0.15	0.80	30	0.14	6.49	72	0.5
CC143879		0.013	0.14	0.69	35	0.13	3.36	75	<0.5
CC143880		0.010	0.13	0.69	29	0.11	3.89	73	<0.5
CC143881		0.012	0.11	0.71	28	0.12	5.52	97	0.9
CC143882		0.010	0.09	0.56	26	0.10	2.51	61	<0.5
CC143883		0.020	0.09	0.62	40	0.18	3.59	88	0.7
CC143884		0.017	0.10	0.84	34	0.14	3.73	83	<0.5
CC143885		0.013	0.09	0.70	31	0.13	3.84	85	0.5
CC143886		0.011	0.08	0.64	29	0.08	3.34	81	1.0
CC143887		0.018	0.10	0.72	37	0.17	3.31	73	<0.5
CC143888		0.021	0.13	0.57	45	0.19	2.44	68	<0.5
CC143889		0.017	0.10	0.78	36	0.12	3.04	73	<0.5
CC143890		0.024	0.08	0.85	31	0.15	5.38	77	0.5



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
CC143891		0.24	0.003	0.06	1.20	10.1	<0.2	<10	120	0.71	0.23	0.14	0.17	27.2	11.7	23
CC143892		0.20	0.001	0.03	1.39	9.6	<0.2	<10	80	0.65	0.23	0.10	0.20	24.3	9.7	23
CC143893		0.25	0.003	0.07	1.51	9.6	<0.2	<10	80	0.59	0.25	0.07	0.16	17.10	8.3	25
CC143894		0.20	0.001	0.13	1.61	14.6	<0.2	<10	90	0.82	0.35	0.06	0.15	19.70	9.9	28
CC143895		0.23	0.002	0.05	1.83	13.2	<0.2	<10	110	0.40	0.32	0.09	0.16	23.4	8.1	31
CC143896		0.22	0.002	0.06	1.43	10.4	<0.2	<10	150	0.78	0.40	0.07	0.11	20.9	11.9	26
CC143897		0.18	0.003	0.10	1.79	13.0	<0.2	<10	200	0.87	0.31	0.10	0.23	27.4	12.0	27
CC143901		0.18	0.001	0.06	1.84	18.7	<0.2	<10	90	0.62	0.35	0.06	0.16	19.25	9.8	28
CC143902		0.22	0.002	0.06	1.85	12.8	<0.2	<10	100	0.80	0.33	0.06	0.15	21.4	10.0	32
CC143903		0.20	0.002	0.06	1.28	13.4	<0.2	<10	110	0.94	0.30	0.08	0.25	19.95	15.7	25
CC143904		0.25	0.003	0.08	1.75	14.4	<0.2	<10	120	0.90	0.31	0.11	0.23	32.1	13.2	31
CC143905		0.23	0.002	0.04	1.47	9.1	<0.2	<10	60	1.21	0.41	0.04	0.14	18.00	17.5	25
CC143906		0.20	0.002	0.05	1.67	8.1	<0.2	<10	60	0.78	0.36	0.04	0.15	15.50	13.4	29
CC143907		0.24	0.003	0.05	1.73	10.7	<0.2	<10	80	1.10	0.41	0.04	0.10	15.65	17.6	30
ZZ02601		0.17	0.002	0.04	1.49	2.6	<0.2	<10	180	2.58	0.50	0.10	0.01	18.10	24.1	28
ZZ02602		0.12	0.006	0.07	1.45	8.1	<0.2	<10	110	1.92	1.54	0.05	0.05	20.6	37.5	23
ZZ02603		0.17	0.003	0.03	0.60	2.1	<0.2	<10	100	1.49	0.71	0.05	0.01	12.90	38.3	13
ZZ02604		0.19	0.007	0.04	2.14	8.0	<0.2	<10	40	1.06	0.64	0.02	0.02	19.00	43.7	31
ZZ02605		0.19	<0.001	0.04	1.46	9.3	<0.2	<10	120	1.40	0.47	0.13	0.02	18.20	26.0	25
ZZ02606		0.16	0.016	0.07	2.09	11.0	<0.2	<10	110	2.01	0.41	0.08	0.04	34.9	35.8	29
ZZ02607		0.20	0.005	0.17	1.63	10.3	<0.2	<10	140	1.23	0.48	0.03	0.03	14.40	21.1	27
ZZ02608		0.18	0.006	0.07	1.80	13.1	<0.2	<10	390	3.15	0.51	0.17	0.05	18.65	32.4	27
ZZ02609		0.14	0.009	0.07	1.34	8.2	<0.2	<10	60	0.67	0.39	0.02	0.08	11.40	14.2	25
ZZ02610		0.20	0.005	0.09	0.87	7.4	<0.2	<10	40	0.17	0.34	0.17	0.12	13.55	6.3	31
ZZ02611		0.25	0.007	0.10	2.82	5.6	<0.2	<10	70	0.83	0.19	0.74	0.16	36.0	49.9	89
ZZ02612		0.16	0.008	0.12	2.56	16.8	<0.2	<10	100	0.67	0.24	1.08	0.28	22.3	28.9	70
ZZ02613		0.14	0.008	0.10	2.28	13.2	<0.2	<10	110	0.63	0.23	0.21	0.28	33.6	17.5	42
ZZ02614		0.20	0.009	0.18	0.54	48.9	<0.2	<10	100	0.32	0.22	0.03	0.34	27.5	12.7	12
ZZ02615		0.22	0.005	0.13	1.82	33.1	<0.2	<10	130	0.61	0.34	0.08	0.63	32.3	17.8	34
ZZ02616		0.23	0.011	0.80	0.44	53.3	<0.2	<10	150	0.41	0.28	0.08	1.84	66.5	22.4	12
ZZ02617		0.25	0.012	0.48	0.83	78.7	<0.2	<10	180	0.51	0.28	0.14	1.21	49.3	22.5	16
ZZ02618		0.21	0.009	0.31	0.60	67.6	<0.2	<10	140	0.40	0.28	0.03	0.43	30.1	15.7	14
ZZ02619		0.24	0.009	0.19	0.47	57.6	<0.2	<10	110	0.35	0.32	0.03	0.56	27.5	15.9	13
ZZ02620		0.17	0.006	0.20	1.01	37.7	<0.2	<10	300	0.60	0.35	0.13	0.53	28.4	16.7	21
ZZ02621		0.20	0.019	0.60	0.82	57.2	<0.2	<10	420	0.75	0.32	0.42	1.75	37.8	19.7	17
ZZ02622		0.19	0.009	0.09	0.72	56.6	<0.2	<10	70	0.42	0.34	0.05	0.73	27.8	13.5	17
ZZ02623		0.18	0.037	0.82	0.73	46.2	<0.2	<10	160	0.44	0.26	0.24	1.57	59.1	24.1	13
ZZ02624		0.16	0.022	0.83	0.47	49.5	<0.2	<10	240	0.62	0.27	0.29	1.63	94.1	28.7	11
ZZ02625		0.22	0.018	1.20	0.97	87.5	<0.2	<10	490	0.60	0.44	0.46	1.56	54.4	36.5	22
ZZ02626		0.16	0.027	1.19	0.95	85.7	<0.2	<10	560	0.78	0.35	0.26	1.98	39.0	20.6	23



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
CC143891		1.05	27.7	3.01	4.10	0.10	0.03	0.03	0.023	0.05	13.2	19.2	0.40	490	1.12	0.01
CC143892		0.97	19.8	2.82	4.22	0.09	0.04	0.02	0.020	0.05	10.9	19.5	0.40	399	1.05	0.01
CC143893		1.26	21.0	2.95	4.69	0.07	<0.02	0.03	0.025	0.05	8.1	20.0	0.36	292	1.37	0.01
CC143894		1.76	28.2	3.38	6.72	0.09	<0.02	0.04	0.032	0.05	8.7	20.1	0.39	374	1.61	0.01
CC143895		1.69	18.8	3.33	7.33	0.06	<0.02	0.03	0.026	0.06	12.1	18.4	0.39	405	1.89	<0.01
CC143896		1.57	34.0	3.48	4.83	0.06	0.02	0.03	0.033	0.06	10.2	18.1	0.33	386	1.13	<0.01
CC143897		1.26	23.9	3.51	5.25	0.06	0.02	0.05	0.034	0.05	12.6	21.0	0.31	720	1.22	<0.01
CC143901		2.14	25.9	3.74	5.61	0.06	0.02	0.05	0.033	0.06	9.4	34.1	0.34	433	1.64	<0.01
CC143902		4.41	36.0	3.46	5.85	0.06	<0.02	0.04	0.032	0.06	10.1	24.9	0.45	516	1.48	<0.01
CC143903		3.19	25.3	3.35	4.66	0.09	<0.02	0.05	0.031	0.06	8.8	18.1	0.32	906	1.62	0.01
CC143904		2.62	25.9	3.33	6.19	0.10	<0.02	0.03	0.030	0.06	13.3	22.4	0.48	534	1.72	0.01
CC143905		2.71	37.4	4.08	5.60	0.09	<0.02	0.03	0.031	0.07	7.0	29.2	0.35	750	1.10	0.01
CC143906		2.28	28.3	3.88	6.59	0.10	<0.02	0.02	0.029	0.08	6.2	25.8	0.41	810	1.23	0.01
CC143907		2.26	33.3	3.91	6.98	0.08	0.02	0.01	0.032	0.08	6.4	30.4	0.43	1060	0.97	0.01
ZZ02601		5.13	59.0	5.17	5.42	0.10	0.05	0.02	0.020	0.11	5.8	38.9	0.56	576	0.74	0.01
ZZ02602		10.30	66.8	4.54	6.67	0.08	0.05	0.06	0.022	0.10	7.5	20.3	0.28	902	1.81	0.01
ZZ02603		4.29	45.2	6.10	2.05	0.09	0.08	0.03	0.023	0.07	4.6	13.3	0.16	743	0.93	0.01
ZZ02604		5.98	55.0	5.39	6.96	0.09	0.03	<0.01	0.030	0.08	7.7	58.7	0.68	1440	0.77	0.01
ZZ02605		3.17	49.6	4.60	5.49	0.10	0.04	0.01	0.024	0.09	6.7	42.6	0.60	850	0.67	0.01
ZZ02606		4.03	54.6	4.60	7.14	0.10	0.07	0.03	0.027	0.06	10.1	53.4	0.76	2060	1.00	0.01
ZZ02607		3.16	41.3	4.25	5.53	0.11	0.07	0.03	0.023	0.07	5.5	36.2	0.57	701	0.87	0.01
ZZ02608		5.74	82.2	4.33	5.45	0.12	0.05	0.06	0.018	0.09	5.5	38.4	0.69	1540	1.21	0.02
ZZ02609		2.12	27.9	4.04	5.92	0.08	0.04	0.02	0.025	0.07	5.0	30.4	0.39	613	0.80	0.01
ZZ02610		1.14	35.7	3.16	7.35	0.08	0.06	0.05	0.026	0.05	6.4	2.1	0.10	215	2.28	0.01
ZZ02611		1.46	228	7.53	10.75	0.16	0.10	0.04	0.045	0.07	15.9	21.2	2.05	1440	0.64	0.01
ZZ02612		2.42	175.5	6.14	10.60	0.10	0.08	0.04	0.039	0.05	10.1	20.9	1.26	957	1.43	0.01
ZZ02613		1.45	111.0	4.24	7.47	0.09	0.04	0.04	0.039	0.04	11.3	18.5	0.56	432	1.86	0.01
ZZ02614		4.92	70.2	3.20	2.33	0.09	<0.02	0.30	0.033	0.09	15.8	3.4	0.08	350	7.99	0.01
ZZ02615		4.38	50.5	4.26	6.15	<0.05	0.02	0.20	0.048	0.09	15.6	20.5	0.48	695	3.94	0.01
ZZ02616		6.63	123.5	4.90	1.64	0.09	0.04	0.67	0.045	0.11	35.4	4.6	0.08	475	11.00	<0.01
ZZ02617		6.37	118.5	4.27	2.69	0.06	0.02	0.41	0.040	0.10	27.0	9.0	0.24	799	7.71	0.01
ZZ02618		5.09	98.1	3.69	2.84	<0.05	0.02	0.44	0.045	0.09	17.2	4.6	0.10	357	11.95	0.01
ZZ02619		6.48	98.9	4.19	2.80	<0.05	<0.02	0.31	0.039	0.09	16.1	3.3	0.07	327	11.20	<0.01
ZZ02620		5.11	89.9	3.95	5.00	<0.05	<0.02	0.14	0.039	0.09	15.1	7.1	0.18	726	5.98	0.01
ZZ02621		23.5	234	3.82	2.69	0.05	0.02	0.33	0.055	0.11	21.1	6.6	0.15	907	16.55	0.01
ZZ02622		4.82	81.6	3.97	3.49	<0.05	0.02	0.04	0.042	0.08	15.3	3.8	0.10	429	12.95	0.01
ZZ02623		8.41	130.5	4.84	1.98	0.06	0.03	0.18	0.042	0.09	30.6	6.6	0.15	533	7.69	0.01
ZZ02624		12.70	126.5	6.54	2.19	0.09	0.02	0.24	0.087	0.11	49.1	5.4	0.07	552	8.13	0.01
ZZ02625		13.00	251	5.71	3.32	0.08	0.04	0.21	0.059	0.14	28.8	20.7	0.45	1040	9.76	0.01
ZZ02626		17.10	265	5.18	3.79	0.06	0.02	0.28	0.052	0.15	23.8	13.2	0.22	436	14.90	0.01

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



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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CC143891		0.79	26.8	600	13.8	6.1	<0.001	0.01	0.62	3.6	0.6	0.4	12.2	<0.01	0.01	3.1
CC143892		0.76	24.3	550	14.1	7.0	<0.001	0.01	0.57	2.4	<0.2	0.4	8.8	<0.01	0.02	2.2
CC143893		0.58	22.4	630	13.2	8.7	<0.001	0.03	0.64	1.7	0.3	0.5	8.3	<0.01	0.03	0.6
CC143894		0.39	24.1	870	22.6	10.8	<0.001	0.05	0.64	1.4	0.6	0.7	9.2	<0.01	0.02	0.5
CC143895		0.55	22.4	590	17.8	9.7	<0.001	0.03	0.98	1.2	0.7	0.8	11.1	<0.01	0.06	0.3
CC143896		0.47	31.2	490	22.5	10.2	<0.001	0.02	0.53	2.8	0.5	0.6	15.0	<0.01	0.04	1.4
CC143897		0.34	31.9	810	22.1	7.5	<0.001	0.03	0.79	1.9	0.6	0.6	10.8	0.01	0.05	0.6
CC143901		0.94	25.3	660	27.2	10.4	<0.001	0.04	0.83	2.4	0.7	0.6	9.0	<0.01	0.07	1.5
CC143902		0.50	24.8	590	18.1	11.4	<0.001	0.04	0.75	1.6	0.8	0.6	8.7	<0.01	0.07	0.4
CC143903		0.38	23.6	710	22.4	10.0	<0.001	0.03	0.71	1.3	0.3	0.5	9.7	<0.01	0.02	0.3
CC143904		0.78	31.1	760	19.7	11.4	0.001	0.02	0.85	2.7	0.6	0.7	12.9	<0.01	0.02	1.1
CC143905		0.41	28.6	750	23.6	10.9	<0.001	0.02	0.53	2.8	0.3	0.7	9.0	<0.01	0.02	1.6
CC143906		0.44	23.5	860	18.3	13.8	<0.001	0.03	0.51	1.5	<0.2	0.7	7.0	<0.01	0.02	0.7
CC143907		0.40	26.6	680	27.7	12.7	<0.001	0.03	0.40	2.9	0.2	0.8	7.1	<0.01	0.01	1.5
ZZ02601		0.20	37.0	310	38.8	12.2	<0.001	0.02	0.30	3.5	0.4	0.6	16.7	<0.01	0.02	7.7
ZZ02602		0.46	20.5	960	38.8	19.1	<0.001	0.05	0.39	2.6	0.4	0.7	7.3	<0.01	0.12	3.2
ZZ02603		0.07	50.6	220	27.7	7.4	<0.001	0.01	0.30	4.0	<0.2	0.3	26.0	<0.01	0.02	6.9
ZZ02604		0.07	35.5	380	43.8	9.6	<0.001	0.03	0.30	6.0	<0.2	0.5	13.4	<0.01	0.02	6.7
ZZ02605		0.12	40.0	360	38.9	7.9	<0.001	0.01	0.22	3.5	0.2	0.7	20.6	<0.01	0.01	7.5
ZZ02606		0.23	39.5	360	47.0	8.5	<0.001	0.02	0.40	3.9	0.2	0.5	11.8	<0.01	0.02	7.9
ZZ02607		0.17	32.4	540	87.7	6.8	<0.001	0.04	0.33	2.5	<0.2	0.4	12.2	<0.01	<0.01	3.6
ZZ02608		0.29	35.8	940	78.5	7.4	<0.001	0.08	0.54	3.1	0.4	0.4	35.9	<0.01	0.02	5.3
ZZ02609		0.28	25.8	560	25.6	10.6	<0.001	0.03	0.24	2.2	0.2	0.5	7.5	<0.01	0.01	2.7
ZZ02610		1.27	13.7	660	12.7	6.0	0.001	0.06	0.77	3.1	<0.2	1.1	10.4	<0.01	0.04	0.5
ZZ02611		0.36	74.9	490	12.0	6.0	<0.001	0.01	0.17	21.7	1.0	0.7	13.0	<0.01	<0.01	3.6
ZZ02612		1.40	47.0	640	13.7	11.6	<0.001	0.05	0.46	11.4	0.4	0.8	23.3	<0.01	0.02	1.5
ZZ02613		1.60	35.0	590	11.0	6.4	<0.001	0.04	0.93	5.5	0.2	1.2	9.1	0.01	0.03	1.9
ZZ02614		0.05	31.1	1630	11.3	8.8	0.001	0.05	1.58	0.9	1.1	0.4	9.7	<0.01	0.07	0.2
ZZ02615		0.68	30.5	880	20.2	12.3	0.001	0.03	1.57	2.5	1.8	0.6	12.3	<0.01	0.11	0.8
ZZ02616		0.10	52.2	1290	21.6	7.8	0.002	0.01	2.89	6.9	3.4	0.3	14.3	<0.01	0.11	4.5
ZZ02617		0.19	42.2	1690	20.1	8.8	0.002	0.03	2.55	4.3	2.5	0.4	31.6	<0.01	0.11	2.0
ZZ02618		0.09	37.9	1560	16.9	10.2	0.002	0.04	2.56	1.8	2.2	0.4	17.5	<0.01	0.12	0.3
ZZ02619		0.06	40.5	1800	20.0	9.6	0.001	0.03	2.86	0.7	1.3	0.5	23.0	<0.01	0.12	0.2
ZZ02620		0.08	28.7	1320	19.6	13.8	0.001	0.05	1.90	0.6	0.9	0.6	18.2	0.01	0.09	<0.2
ZZ02621		0.10	62.6	2540	18.6	13.8	0.007	0.06	8.63	1.8	7.5	0.4	45.4	<0.01	0.16	0.4
ZZ02622		0.12	47.3	1730	26.8	12.4	0.002	0.03	5.51	1.0	3.1	0.4	10.5	<0.01	0.09	0.5
ZZ02623		0.14	54.1	2950	20.4	7.6	0.003	0.07	3.14	4.0	2.8	0.3	52.8	<0.01	0.06	2.3
ZZ02624		0.09	56.4	2360	30.5	8.8	0.004	0.08	3.67	5.5	4.0	1.7	61.8	<0.01	0.09	3.3
ZZ02625		0.09	81.1	2040	30.0	10.2	0.003	0.07	3.88	6.7	3.9	0.3	91.7	<0.01	0.19	3.2
ZZ02626		0.14	60.8	2880	24.7	14.3	0.003	0.06	5.82	2.6	4.8	0.5	86.7	<0.01	0.21	0.7

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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
CC143891		0.035	0.06	0.85	34	0.16	8.16	81	0.7
CC143892		0.026	0.07	0.73	33	0.20	5.05	78	0.9
CC143893		0.028	0.12	0.69	38	0.21	3.65	70	<0.5
CC143894		0.017	0.11	0.87	41	0.18	4.43	86	<0.5
CC143895		0.028	0.17	0.67	65	0.27	3.75	76	<0.5
CC143896		0.012	0.11	0.87	38	0.12	5.32	91	<0.5
CC143897		0.017	0.12	0.93	44	0.17	7.35	104	<0.5
CC143901		0.020	0.16	0.69	48	0.24	3.29	95	0.5
CC143902		0.029	0.12	0.95	49	0.23	4.26	86	<0.5
CC143903		0.022	0.08	0.78	39	0.21	4.52	94	<0.5
CC143904		0.030	0.13	1.00	47	0.28	6.35	95	<0.5
CC143905		0.013	0.09	0.81	29	0.11	4.75	88	<0.5
CC143906		0.020	0.10	0.74	38	0.16	3.98	80	<0.5
CC143907		0.012	0.10	0.91	33	0.10	5.75	87	0.6
ZZ02601		0.011	0.09	1.98	23	<0.05	10.55	89	2.0
ZZ02602		0.009	0.11	0.99	35	0.11	6.31	57	1.2
ZZ02603		<0.005	0.07	1.44	20	<0.05	9.39	102	4.0
ZZ02604		<0.005	0.11	1.19	21	<0.05	7.19	81	1.3
ZZ02605		0.007	0.06	1.17	20	<0.05	8.76	112	2.2
ZZ02606		0.009	0.09	1.36	24	0.06	9.82	102	2.2
ZZ02607		0.006	0.06	1.03	19	<0.05	5.31	91	1.7
ZZ02608		0.010	0.09	2.65	19	0.06	11.30	103	1.5
ZZ02609		0.007	0.05	0.69	24	0.07	3.02	85	1.2
ZZ02610		0.188	0.06	0.55	162	0.06	2.27	42	2.3
ZZ02611		0.113	0.06	0.39	168	0.05	21.8	107	3.1
ZZ02612		0.258	0.10	0.82	173	0.11	12.15	96	3.1
ZZ02613		0.120	0.14	0.67	106	0.28	6.21	84	1.4
ZZ02614		0.006	0.28	1.06	34	0.07	5.64	115	<0.5
ZZ02615		0.028	0.24	1.37	57	0.26	6.14	151	<0.5
ZZ02616		<0.005	0.40	1.90	30	0.05	22.1	164	3.0
ZZ02617		0.008	0.34	1.81	42	0.07	14.80	170	1.1
ZZ02618		0.006	0.36	1.78	49	0.07	7.53	156	<0.5
ZZ02619		0.007	0.45	1.74	46	0.10	4.30	162	<0.5
ZZ02620		0.010	0.23	1.31	64	0.09	7.95	139	<0.5
ZZ02621		0.006	0.46	3.83	49	0.09	16.60	477	0.5
ZZ02622		0.007	0.48	1.82	51	0.09	4.80	390	0.6
ZZ02623		0.006	0.48	2.93	34	0.05	14.80	190	0.9
ZZ02624		<0.005	0.42	1.79	40	<0.05	18.60	264	0.6
ZZ02625		<0.005	0.26	2.52	82	<0.05	22.2	296	1.3
ZZ02626		0.007	0.43	4.90	104	0.07	17.80	395	0.6



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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ02627		0.14	0.029	0.43	0.54	81.4	<0.2	<10	250	0.33	0.32	0.03	1.40	31.4	17.1	19
ZZ02628		0.22	0.014	0.72	1.07	53.5	<0.2	<10	420	0.71	0.32	0.19	1.03	48.1	24.1	22
ZZ02629		0.14	0.011	1.14	0.51	58.6	<0.2	<10	450	0.55	0.31	0.27	0.88	40.3	23.2	14
ZZ02630		0.14	0.020	1.15	0.40	138.0	<0.2	<10	650	0.51	0.32	0.71	1.33	44.1	37.9	11
ZZ02631		0.15	0.016	0.61	0.78	42.9	<0.2	<10	190	0.46	0.30	0.20	1.87	29.0	31.6	15
ZZ02632		0.18	0.009	0.16	0.66	46.2	<0.2	<10	280	0.35	0.35	0.03	0.99	26.8	26.6	14
ZZ02633		0.23	0.005	0.12	0.37	62.9	<0.2	<10	120	0.20	0.32	0.02	0.27	25.8	12.9	10
ZZ02634		0.23	0.004	0.11	1.04	25.1	<0.2	<10	140	0.38	0.35	0.04	0.34	28.5	13.0	19
ZZ02635		0.34	0.004	0.06	1.87	21.3	<0.2	<10	140	0.87	0.38	0.13	0.44	29.2	16.4	33
ZZ02636		0.19	0.008	0.14	1.63	29.1	<0.2	<10	160	0.84	0.40	0.11	0.62	31.1	26.6	28
ZZ02637		0.18	0.003	0.04	1.52	17.9	<0.2	<10	90	0.47	0.42	0.06	0.28	23.1	12.1	35
ZZ02638		0.16	0.005	0.12	1.39	16.8	<0.2	<10	100	0.53	0.47	0.02	0.89	22.7	14.8	26
ZZ02501		0.18	NSS	0.05	1.14	3.8	<0.2	<10	60	0.79	0.49	0.05	0.05	9.94	16.4	26
ZZ02502		0.24	0.008	0.11	0.83	9.3	<0.2	<10	80	1.01	0.58	0.05	0.10	30.4	35.9	19
ZZ02503		0.22	0.002	0.03	1.25	10.9	<0.2	<10	60	1.06	0.61	0.02	0.05	21.1	20.5	24
ZZ02504		0.20	0.009	0.16	1.87	8.8	<0.2	<10	30	0.60	0.63	0.01	0.06	10.35	12.5	37
ZZ02505		0.17	0.010	0.18	1.90	6.1	<0.2	<10	360	1.13	0.56	0.36	0.13	13.65	19.8	28
ZZ02506		0.16	0.005	0.23	1.21	6.9	<0.2	<10	60	0.32	0.58	0.02	0.07	11.05	10.9	24
ZZ02507		0.24	0.010	0.21	1.45	31.9	<0.2	<10	120	0.90	0.40	0.29	0.53	43.2	16.3	23
ZZ02508		0.16	0.003	0.03	0.73	15.5	<0.2	<10	90	0.21	0.39	0.19	0.19	19.45	5.8	13
ZZ02509		0.19	0.012	1.17	1.38	89.3	<0.2	<10	240	0.70	0.30	0.83	0.60	25.5	21.1	29
ZZ02510		0.19	0.011	0.37	1.29	52.1	<0.2	<10	300	0.88	0.32	0.15	1.85	41.0	21.9	24
ZZ02511		0.21	0.007	0.16	0.52	97.5	<0.2	<10	210	0.38	0.30	0.08	0.58	32.2	16.3	14
ZZ02512		0.21	0.005	0.14	1.17	27.7	<0.2	<10	140	0.49	0.33	0.11	1.34	36.3	22.0	23
ZZ02513		0.23	0.002	0.38	0.85	37.8	<0.2	<10	80	0.33	0.28	0.03	0.34	29.8	10.3	14
ZZ02514		0.24	0.006	1.18	0.44	41.2	<0.2	<10	140	0.55	0.24	0.51	2.58	46.4	18.3	12
ZZ02515		0.20	NSS	0.68	0.50	66.1	<0.2	<10	160	0.74	0.29	0.14	1.00	59.8	20.6	11
ZZ02516		0.19	0.008	1.49	0.51	20.9	<0.2	<10	190	0.56	0.25	0.90	0.66	43.8	9.4	10
ZZ02517		0.20	0.007	0.39	0.70	30.0	<0.2	<10	120	0.73	0.47	0.10	0.84	51.3	19.5	13
ZZ02518		0.25	0.008	0.60	0.54	42.8	<0.2	<10	260	0.54	0.30	0.54	1.16	56.3	22.0	11
ZZ02519		0.20	0.016	1.03	1.02	59.2	<0.2	<10	420	0.69	0.32	0.19	0.95	46.6	23.5	20
ZZ02520		0.20	0.006	0.18	0.60	68.2	<0.2	<10	140	0.37	0.36	0.02	0.35	24.8	15.7	15
ZZ02521		0.19	0.003	0.09	0.67	32.2	<0.2	<10	110	0.26	0.39	0.02	0.32	27.0	12.3	13
ZZ02522		0.19	0.004	0.08	1.24	19.9	<0.2	<10	120	0.93	0.36	0.08	0.31	24.5	19.6	25
ZZ02523		0.23	0.004	0.09	1.33	23.1	<0.2	<10	100	0.82	0.43	0.02	0.28	21.4	16.9	27
ZZ02524		0.20	0.014	0.05	1.74	9.7	<0.2	<10	70	0.89	0.51	0.05	0.09	10.95	29.8	36
ZZ02525		0.21	0.003	0.02	0.71	16.1	<0.2	<10	50	0.20	0.46	0.01	0.07	16.60	5.3	21
ZZ02526		0.22	0.006	0.04	0.71	11.9	<0.2	<10	40	0.25	0.48	0.01	0.07	6.80	8.5	26

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



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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ02627		10.00	224	4.98	3.36	<0.05	0.02	0.19	0.054	0.10	19.2	4.4	0.08	184	14.75	0.01
ZZ02628		13.65	150.0	4.84	3.77	0.06	0.06	0.19	0.050	0.16	26.8	14.4	0.47	678	12.00	0.01
ZZ02629		9.86	134.5	4.73	2.13	0.05	0.12	0.40	0.051	0.12	21.5	6.0	0.13	710	13.50	0.01
ZZ02630		11.50	133.0	8.21	1.79	0.07	0.06	0.85	0.057	0.11	23.1	5.1	0.15	862	9.82	0.01
ZZ02631		4.83	105.0	4.11	2.87	0.05	0.05	0.25	0.041	0.11	14.0	7.5	0.30	1640	8.84	0.01
ZZ02632		9.05	119.0	4.52	4.08	<0.05	0.03	0.13	0.050	0.11	14.5	5.2	0.10	2250	9.61	0.01
ZZ02633		6.24	83.8	3.65	3.35	<0.05	<0.02	0.13	0.029	0.09	14.9	2.8	0.06	151	11.40	0.01
ZZ02634		3.54	28.2	2.70	5.99	<0.05	<0.02	0.10	0.028	0.07	13.9	6.3	0.13	1100	3.44	0.01
ZZ02635		2.94	44.5	4.17	5.87	<0.05	0.03	0.11	0.033	0.08	13.5	28.6	0.58	737	2.58	0.01
ZZ02636		6.48	78.6	4.56	5.44	0.05	0.03	0.06	0.044	0.10	16.3	23.4	0.56	1280	5.99	0.01
ZZ02637		5.66	35.6	5.78	7.77	<0.05	<0.02	0.04	0.037	0.07	10.0	19.6	0.45	615	2.54	0.01
ZZ02638		1.91	39.7	4.56	5.41	<0.05	0.03	0.02	0.029	0.05	11.4	19.4	0.34	529	3.54	0.01
ZZ02501		5.36	41.4	4.35	4.47	<0.05	0.03	0.09	0.025	0.07	3.8	21.5	0.35	768	0.82	0.01
ZZ02502		5.36	44.7	4.56	3.54	<0.05	0.03	0.04	0.024	0.06	11.4	13.0	0.17	2450	0.93	0.01
ZZ02503		1.73	58.3	5.06	4.91	<0.05	0.03	0.01	0.037	0.04	9.2	25.3	0.41	639	0.83	0.01
ZZ02504		5.75	39.4	6.01	6.82	<0.05	0.10	0.04	0.029	0.05	4.6	32.5	0.47	593	0.74	0.01
ZZ02505		6.69	50.6	3.98	6.46	<0.05	0.07	0.04	0.032	0.10	6.4	43.3	0.46	794	0.73	0.01
ZZ02506		3.11	27.4	4.82	7.50	<0.05	0.03	0.05	0.024	0.05	4.9	9.8	0.17	830	1.02	0.01
ZZ02507		2.47	53.2	4.46	4.38	<0.05	0.03	0.06	0.034	0.07	24.3	32.0	0.56	600	6.63	0.01
ZZ02508		1.20	25.3	2.67	6.01	<0.05	<0.02	0.03	0.022	0.07	10.1	6.0	0.14	149	2.43	0.01
ZZ02509		12.55	153.5	4.31	4.41	<0.05	0.10	0.70	0.042	0.12	13.9	14.5	0.51	725	5.49	0.01
ZZ02510		4.50	111.5	5.62	3.84	0.05	0.05	0.23	0.049	0.10	22.1	14.4	0.31	2430	6.99	0.01
ZZ02511		4.48	120.0	4.02	2.64	0.05	<0.02	0.53	0.039	0.10	17.9	4.7	0.10	310	8.70	0.01
ZZ02512		6.04	59.0	4.13	4.72	0.05	<0.02	0.07	0.038	0.08	19.4	17.2	0.41	865	6.25	0.01
ZZ02513		6.01	51.5	3.51	3.79	0.05	0.03	0.06	0.037	0.07	18.2	3.2	0.08	190	9.17	0.01
ZZ02514		8.51	87.9	3.98	1.70	0.07	0.04	0.29	0.055	0.07	25.7	3.3	0.09	412	16.85	0.01
ZZ02515		7.97	84.4	4.48	1.73	0.08	<0.02	0.20	0.040	0.09	31.5	4.7	0.10	508	12.15	0.01
ZZ02516		11.50	50.2	2.42	1.76	0.06	0.13	0.31	0.034	0.08	25.5	6.5	0.21	209	5.68	0.01
ZZ02517		10.10	65.0	4.45	2.22	0.07	0.03	0.05	0.030	0.07	26.7	11.7	0.19	576	7.22	0.01
ZZ02518		10.15	96.5	4.69	1.94	0.08	0.05	0.18	0.050	0.11	32.5	8.0	0.16	332	9.77	0.01
ZZ02519		11.50	157.5	4.57	3.88	0.07	0.03	0.21	0.052	0.16	27.4	13.7	0.43	553	13.30	0.01
ZZ02520		7.44	89.5	4.11	4.10	<0.05	<0.02	0.14	0.040	0.08	13.7	3.1	0.07	861	7.70	0.01
ZZ02521		5.43	40.2	3.00	4.25	<0.05	<0.02	0.04	0.022	0.07	14.7	3.3	0.08	842	5.31	0.01
ZZ02522		3.65	46.8	4.04	4.38	<0.05	0.02	0.03	0.026	0.06	12.3	24.9	0.46	1220	2.84	0.01
ZZ02523		7.90	54.0	4.31	6.12	<0.05	0.02	0.05	0.037	0.07	11.1	15.8	0.31	1060	4.00	0.01
ZZ02524		6.37	22.3	5.21	5.87	<0.05	0.02	0.03	0.029	0.05	3.4	52.7	0.70	1480	1.11	0.01
ZZ02525		5.72	15.3	3.40	8.25	<0.05	<0.02	0.01	0.016	0.05	8.1	3.7	0.09	416	2.72	0.01
ZZ02526		5.07	11.0	3.85	5.72	<0.05	<0.02	0.03	0.022	0.05	3.4	4.9	0.12	682	1.46	0.01

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





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**CERTIFICATE OF ANALYSIS WH12193058**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ02627		0.09	58.9	1910	25.5	10.5	0.002	0.06	5.14	2.2	4.3	0.5	35.0	<0.01	0.18	0.6
ZZ02628		0.12	48.2	1770	26.2	13.2	0.003	0.07	4.28	3.3	3.3	0.4	47.2	<0.01	0.14	1.3
ZZ02629		0.12	52.8	1370	24.3	10.6	0.003	0.08	3.62	4.8	2.7	0.3	53.5	<0.01	0.14	1.7
ZZ02630		0.11	76.3	2150	35.2	7.5	0.004	0.23	3.51	6.4	4.9	0.4	81.4	<0.01	0.09	3.2
ZZ02631		0.07	35.3	2090	24.4	9.3	0.003	0.11	2.52	1.4	2.1	0.3	23.7	<0.01	0.10	0.4
ZZ02632		0.11	39.3	2030	21.5	15.4	0.001	0.06	2.85	1.3	1.6	0.5	11.1	<0.01	0.16	0.4
ZZ02633		0.18	33.5	1070	16.4	10.6	0.001	0.03	2.55	1.5	1.9	0.4	18.7	<0.01	0.12	0.4
ZZ02634		0.14	13.7	1050	18.6	13.9	<0.001	0.02	0.97	0.4	0.5	0.8	10.4	<0.01	0.05	<0.2
ZZ02635		0.75	30.8	850	23.3	10.1	<0.001	0.02	1.12	3.3	0.7	0.6	13.8	<0.01	0.05	3.3
ZZ02636		0.56	38.1	1210	26.7	13.3	<0.001	0.03	2.27	3.1	1.1	0.5	14.3	<0.01	0.10	1.5
ZZ02637		1.38	22.8	690	22.5	13.3	<0.001	0.03	1.29	2.3	0.5	0.7	9.5	<0.01	0.07	1.2
ZZ02638		0.43	28.2	540	22.5	10.0	<0.001	0.02	1.09	2.5	0.7	0.6	7.2	<0.01	0.05	2.6
ZZ02501		0.31	27.2	960	25.1	8.4	<0.001	0.05	0.45	1.8	<0.2	0.6	8.0	<0.01	0.04	2.0
ZZ02502		0.19	44.5	320	31.6	9.2	<0.001	0.02	0.35	3.3	0.4	0.5	15.4	<0.01	0.03	5.4
ZZ02503		0.21	33.5	320	26.7	6.4	<0.001	0.01	0.38	4.6	<0.2	0.4	12.1	<0.01	0.02	5.9
ZZ02504		0.35	20.8	790	27.4	9.4	<0.001	0.06	0.42	2.3	0.6	0.5	8.3	<0.01	0.02	4.0
ZZ02505		0.26	23.8	410	53.9	19.1	<0.001	0.03	0.27	3.9	0.8	1.0	35.0	<0.01	0.02	5.4
ZZ02506		0.38	11.5	900	21.0	10.8	<0.001	0.06	0.38	1.8	<0.2	0.6	8.7	<0.01	0.05	2.2
ZZ02507		0.16	36.0	590	27.1	8.8	0.002	0.02	1.80	2.4	1.3	0.3	22.4	<0.01	0.06	2.9
ZZ02508		0.45	11.0	250	15.0	9.5	<0.001	0.01	0.73	1.8	<0.2	0.7	23.6	<0.01	0.04	3.1
ZZ02509		0.40	43.5	1390	19.4	16.4	0.003	0.08	2.06	6.2	4.2	0.5	39.6	<0.01	0.08	1.3
ZZ02510		0.27	42.6	2210	22.4	11.9	0.002	0.04	2.74	4.5	2.5	0.4	40.0	<0.01	0.09	3.1
ZZ02511		0.13	36.5	1430	19.7	9.1	0.003	0.02	2.56	3.4	1.3	0.3	22.9	<0.01	0.11	1.5
ZZ02512		0.40	38.4	1010	21.3	9.6	0.001	0.02	2.49	2.4	1.6	0.5	17.1	<0.01	0.08	1.0
ZZ02513		0.16	30.1	2150	17.1	12.1	<0.001	0.03	2.70	0.6	2.1	0.4	13.4	<0.01	0.07	0.4
ZZ02514		0.08	66.0	930	17.8	7.7	0.004	0.01	6.60	3.8	3.5	0.3	28.2	<0.01	0.08	1.8
ZZ02515		0.08	55.9	1360	21.4	8.0	0.003	0.02	3.23	4.0	2.4	0.3	35.6	<0.01	0.09	1.9
ZZ02516		0.10	27.4	980	14.3	7.7	0.003	0.04	2.00	4.6	2.3	0.3	43.5	<0.01	0.06	3.1
ZZ02517		0.10	44.3	770	25.4	6.8	0.001	<0.01	1.76	3.2	1.7	0.2	21.1	<0.01	0.10	4.6
ZZ02518		0.09	50.4	1490	20.6	8.3	0.003	0.03	3.22	5.2	2.7	0.3	59.7	<0.01	0.11	3.5
ZZ02519		0.11	47.6	1810	24.7	13.8	0.003	0.05	4.24	3.0	3.8	0.4	59.9	<0.01	0.17	1.4
ZZ02520		0.10	28.8	1510	21.9	13.3	<0.001	0.02	1.91	0.5	1.6	0.6	11.2	<0.01	0.12	0.2
ZZ02521		0.29	18.3	670	18.8	11.3	<0.001	<0.01	1.14	1.1	0.8	0.6	7.3	<0.01	0.06	0.4
ZZ02522		0.43	26.8	660	24.3	7.6	0.001	<0.01	0.87	2.9	1.1	0.5	12.7	<0.01	0.05	3.6
ZZ02523		0.45	21.9	1130	28.0	12.1	<0.001	0.01	1.17	1.7	1.0	0.6	7.8	<0.01	0.06	1.0
ZZ02524		0.45	33.6	620	33.4	6.8	<0.001	<0.01	0.39	3.2	0.7	0.5	6.0	<0.01	0.05	6.5
ZZ02525		0.65	9.4	480	19.0	8.5	<0.001	<0.01	0.80	1.3	0.6	0.9	5.4	<0.01	0.06	1.0
ZZ02526		0.40	9.3	720	27.0	7.5	<0.001	<0.01	0.46	1.0	0.5	0.8	3.9	<0.01	0.03	0.6



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ02627		<0.005	0.40	2.64	88	0.06	5.53	361	0.6
ZZ02628		0.006	0.44	2.79	64	0.06	14.75	222	1.6
ZZ02629		<0.005	0.46	2.02	46	0.07	15.00	192	4.0
ZZ02630		<0.005	0.95	1.83	45	0.06	15.35	253	2.3
ZZ02631		0.005	0.28	1.96	41	0.05	9.66	180	1.3
ZZ02632		0.006	0.36	1.21	61	0.07	4.02	185	0.7
ZZ02633		0.009	0.32	0.91	44	0.10	2.98	127	<0.5
ZZ02634		0.009	0.23	0.87	55	0.17	3.86	62	<0.5
ZZ02635		0.025	0.15	1.19	48	0.24	6.16	118	0.9
ZZ02636		0.022	0.20	1.34	53	0.16	8.04	154	0.9
ZZ02637		0.044	0.14	0.86	58	0.28	3.23	87	<0.5
ZZ02638		0.011	0.12	1.00	37	0.10	6.04	122	0.6
ZZ02501		0.012	0.05	1.11	26	0.08	4.57	67	0.8
ZZ02502		0.006	0.11	1.46	23	0.05	8.80	89	1.1
ZZ02503		0.007	0.06	1.05	25	0.05	6.93	99	1.6
ZZ02504		0.008	0.12	1.02	23	0.06	4.70	72	3.8
ZZ02505		<0.005	0.10	2.10	25	0.05	11.45	71	2.1
ZZ02506		0.009	0.08	0.67	35	0.06	3.28	54	0.9
ZZ02507		<0.005	0.21	1.25	30	0.05	7.55	152	1.2
ZZ02508		0.015	0.10	0.53	46	0.08	2.50	50	0.7
ZZ02509		0.022	0.40	3.47	60	0.09	16.45	157	3.0
ZZ02510		0.010	0.27	2.43	72	0.08	14.70	192	1.7
ZZ02511		0.006	0.30	1.60	48	0.06	8.52	175	0.5
ZZ02512		0.021	0.22	1.28	44	0.16	7.39	183	<0.5
ZZ02513		0.007	0.25	1.39	44	<0.05	4.16	168	0.7
ZZ02514		<0.005	0.40	3.37	40	<0.05	14.55	423	1.6
ZZ02515		<0.005	0.48	2.02	28	<0.05	14.70	224	<0.5
ZZ02516		<0.005	0.26	1.95	25	<0.05	13.45	135	5.7
ZZ02517		<0.005	0.15	1.51	27	<0.05	7.34	190	1.5
ZZ02518		<0.005	0.31	1.77	35	<0.05	13.45	243	2.3
ZZ02519		0.006	0.37	3.08	71	<0.05	13.35	237	1.0
ZZ02520		0.007	0.24	1.20	60	<0.05	3.33	144	<0.5
ZZ02521		0.013	0.15	0.60	53	<0.05	2.42	86	<0.5
ZZ02522		0.016	0.08	1.08	37	<0.05	6.30	96	0.8
ZZ02523		0.012	0.11	1.04	58	<0.05	4.49	91	0.8
ZZ02524		0.012	0.05	0.90	37	<0.05	5.91	102	0.9
ZZ02525		0.022	0.09	0.72	73	0.10	2.31	37	<0.5
ZZ02526		0.012	0.07	0.81	43	<0.05	2.71	25	<0.5



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Page: Appendix 1  
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Account: MTT

Project: Crag East 2

**CERTIFICATE OF ANALYSIS WH12193058**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 6- SEP- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12193301**

Project: Crag East  
 P.O. No.: Batch 27  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193301**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400662		1.80	0.002	0.01	0.16	261	<0.2	<10	80	0.22	0.04	18.80	2.65	8.31	23.6	<1
M400663		4.12	0.001	<0.01	0.03	<2	<0.2	<10	10	<0.05	0.02	20.7	0.06	1.29	1.5	<1
M400664		2.85	0.001	0.08	0.43	88.7	<0.2	<10	370	0.54	0.24	2.42	0.54	4.91	18.1	8
M400665		7.16	0.002	0.09	0.35	160.5	<0.2	<10	1600	0.55	0.20	1.74	0.08	3.65	10.7	9
M400666		7.17	0.001	0.05	0.34	54.3	<0.2	<10	810	0.50	0.31	1.07	0.01	4.74	13.2	6
M400667		6.32	0.001	0.03	0.35	42.7	<0.2	10	320	0.56	0.39	1.92	0.01	4.57	14.6	7
M400668		4.14	0.001	0.01	0.27	29	<0.2	<10	80	0.50	0.21	15.40	0.03	7.96	11.6	1
M400669		4.37	0.004	0.02	0.46	39.0	<0.2	10	370	1.08	0.60	4.08	0.01	6.10	18.9	6
M400670		3.44	0.001	0.01	0.40	13.6	<0.2	10	660	0.80	0.24	9.21	0.01	7.33	11.9	5
M400671		3.50	0.001	0.01	0.50	4.6	<0.2	10	1370	1.08	0.24	1.17	0.01	5.09	11.1	15
M400672		7.54	<0.001	0.01	0.51	0.9	<0.2	10	120	1.16	0.27	1.46	0.01	4.32	12.2	19
M400673		7.56	<0.001	0.02	0.51	4.2	<0.2	10	310	1.17	0.23	1.64	0.01	4.62	17.4	17
M400674		7.66	0.007	0.02	0.53	1.7	<0.2	10	230	1.29	0.25	1.53	0.01	4.02	15.5	23
M400675		4.54	<0.001	0.02	0.51	0.9	<0.2	10	300	1.26	0.21	1.23	0.01	3.10	15.8	20
M400676		0.27	0.229	>100	0.67	5550	0.2	<10	40	0.49	10.55	12.25	300	26.3	20.3	14
M400677		4.88	0.001	0.04	0.52	1.9	<0.2	10	1320	1.23	0.20	1.78	0.06	3.40	16.0	18
M400678		4.37	0.007	0.04	0.46	108.0	<0.2	10	740	1.12	0.20	0.98	0.04	1.69	15.4	9
M400679		2.05	0.001	0.02	0.47	45.3	<0.2	10	640	1.17	0.23	0.98	0.01	1.61	15.4	13
M400680		4.61	0.001	0.02	0.51	1.1	<0.2	10	990	1.23	0.18	1.78	0.01	2.73	15.1	16
M400681		<0.02	0.001	0.02	0.50	0.9	<0.2	10	950	1.20	0.18	1.72	0.01	2.73	15.0	16
M400682		4.20	0.001	0.01	0.50	0.7	<0.2	10	330	1.30	0.18	0.87	<0.01	2.43	14.5	18
M400683		1.88	0.001	0.01	0.48	0.6	<0.2	10	490	1.28	0.18	0.84	<0.01	2.33	14.1	18
M400684		6.83	0.002	0.01	0.50	30.8	<0.2	10	350	1.29	0.16	0.80	<0.01	1.73	19.2	10
M400685		7.09	0.002	0.02	0.45	26.1	<0.2	10	180	1.22	0.08	2.11	0.01	2.39	27.6	9
M400686		6.09	0.001	0.01	0.51	6.0	<0.2	10	390	1.29	0.16	0.87	0.01	1.94	17.5	15
M400687		0.27	0.090	62.4	0.94	2540	<0.2	<10	80	0.34	3.80	5.66	129.0	16.00	11.6	31
M400688		2.17	0.001	0.03	0.46	5.7	<0.2	10	110	1.16	0.12	0.75	0.05	2.14	20.5	8
M400689		2.71	0.004	0.18	0.39	101.5	<0.2	10	670	1.08	0.31	2.68	0.03	5.48	40.1	7
M400690		5.12	<0.001	<0.01	0.03	<2	<0.2	<10	10	<0.05	0.02	19.75	0.06	1.13	1.4	<1
M400691		3.82	0.001	0.02	0.49	1.3	<0.2	10	260	1.02	0.21	0.99	0.01	5.77	22.1	11
M400692		7.69	0.003	0.05	0.50	5.9	<0.2	10	320	1.18	0.27	1.20	0.01	4.60	17.9	10
M400693		8.00	0.003	0.06	0.48	40.9	<0.2	10	570	1.19	0.25	1.14	0.01	4.66	19.2	9
M400694		8.38	0.001	0.01	0.57	0.6	<0.2	10	230	1.24	0.19	0.92	<0.01	4.48	16.1	16
M400695		8.35	0.003	0.02	0.58	0.6	<0.2	10	510	1.27	0.27	0.97	0.01	4.86	15.6	15
M400696		8.01	<0.001	0.01	0.49	0.4	<0.2	10	170	1.10	0.19	0.76	<0.01	4.59	17.1	14
M400697		8.11	0.003	0.03	0.47	0.4	<0.2	10	710	0.96	0.23	1.44	0.01	4.16	17.4	11



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193301**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400662		0.43	12.0	2.75	0.36	0.09	0.06	0.75	0.005	0.02	5.2	2.1	8.97	916	0.39	0.02
M400663		0.18	1.6	0.50	0.20	0.14	<0.02	<0.01	<0.005	0.01	0.6	1.1	12.60	208	0.13	<0.01
M400664		3.69	33.8	3.01	1.12	0.07	0.15	1.73	0.018	0.14	2.2	3.0	1.04	344	0.33	0.01
M400665		2.95	32.5	2.26	0.92	0.06	0.11	1.04	0.013	0.13	1.7	4.0	0.71	204	0.44	0.05
M400666		5.89	35.6	1.49	1.03	0.05	0.11	0.59	0.011	0.18	2.1	3.9	0.39	145	0.32	0.01
M400667		7.40	47.3	1.28	1.03	0.05	0.14	0.61	0.016	0.21	1.8	4.2	0.51	179	0.21	0.01
M400668		5.68	22.9	0.99	0.82	0.06	0.11	0.93	0.023	0.17	4.7	2.8	0.39	663	0.22	0.01
M400669		11.50	163.5	2.26	1.51	0.07	0.12	1.32	0.032	0.31	2.3	8.3	0.46	545	0.24	0.01
M400670		7.15	18.1	2.60	1.36	0.08	0.08	2.49	0.026	0.27	3.6	8.2	0.50	983	0.21	0.01
M400671		9.80	2.6	3.35	1.67	0.10	0.11	1.26	0.028	0.33	1.6	6.2	0.42	477	0.37	0.05
M400672		9.52	1.8	3.67	1.65	0.10	0.12	0.64	0.032	0.34	1.5	4.7	0.55	536	0.31	0.01
M400673		7.31	4.7	3.94	1.69	0.10	0.11	1.05	0.034	0.33	1.6	8.3	0.69	788	0.47	0.01
M400674		8.15	2.0	3.68	1.80	0.09	0.11	0.08	0.031	0.32	1.5	5.5	0.60	731	0.41	0.01
M400675		7.94	1.8	3.65	1.71	0.09	0.11	0.15	0.030	0.32	1.1	7.2	0.65	584	0.39	0.01
M400676		1.90	2470	4.46	3.13	0.14	0.07	6.90	0.172	0.14	13.4	10.9	0.45	5800	4.70	0.02
M400677		7.35	5.5	3.81	1.73	0.08	0.11	1.23	0.030	0.32	1.2	6.6	0.88	818	0.74	0.02
M400678		6.24	3.9	3.70	1.49	0.07	0.08	8.85	0.032	0.29	0.7	5.6	0.51	733	0.50	0.01
M400679		6.69	6.3	4.05	1.61	0.09	0.09	4.13	0.029	0.29	0.6	5.5	0.55	523	0.46	0.02
M400680		6.60	2.2	3.80	1.73	0.09	0.11	0.39	0.029	0.31	1.0	6.2	0.81	1040	0.72	0.02
M400681		6.69	2.3	3.76	1.67	0.09	0.12	0.37	0.030	0.31	1.0	6.2	0.79	1000	0.67	0.02
M400682		6.26	1.3	3.85	1.68	0.07	0.13	1.91	0.032	0.30	0.9	7.1	0.52	472	0.32	0.02
M400683		6.31	1.5	3.87	1.66	0.07	0.13	1.82	0.032	0.30	0.9	6.8	0.50	456	0.32	0.01
M400684		5.82	3.5	3.19	1.75	0.06	0.09	7.29	0.038	0.30	0.7	11.5	0.42	704	0.48	0.01
M400685		5.36	18.3	4.12	1.67	0.08	0.09	3.84	0.039	0.25	0.9	13.3	0.81	1240	1.04	0.01
M400686		7.12	2.9	3.80	1.76	0.08	0.11	6.98	0.035	0.31	0.8	9.0	0.42	813	0.32	0.01
M400687		1.06	1070	3.29	3.61	0.08	0.19	2.92	0.077	0.11	7.9	9.7	0.47	2630	5.73	0.06
M400688		4.98	15.2	2.89	1.56	0.06	0.09	2.19	0.037	0.26	0.9	9.5	0.46	721	0.26	0.01
M400689		4.32	232	3.26	1.37	0.07	0.17	0.99	0.036	0.21	2.3	10.5	1.11	1180	4.58	0.01
M400690		0.34	1.8	0.47	0.21	0.11	<0.02	0.02	<0.005	0.02	0.5	1.3	11.85	203	0.14	0.01
M400691		6.70	10.3	3.82	1.55	0.05	0.13	0.22	0.035	0.32	2.3	11.1	0.58	2140	0.63	0.01
M400692		7.66	72.4	3.28	1.85	0.06	0.16	0.18	0.031	0.34	1.8	12.2	0.63	1480	0.92	0.01
M400693		7.08	149.0	2.83	1.81	0.06	0.17	0.16	0.033	0.33	1.9	9.4	0.61	1870	1.29	0.02
M400694		7.63	3.6	3.67	2.12	0.08	0.16	0.06	0.031	0.38	1.9	13.0	0.51	1540	0.54	0.02
M400695		6.18	12.1	3.33	2.10	0.07	0.16	0.06	0.030	0.39	2.0	11.8	0.53	1400	0.73	0.02
M400696		4.15	2.1	3.69	1.73	0.07	0.14	0.04	0.029	0.33	2.0	11.7	0.54	1140	0.55	0.01
M400697		3.80	24.2	3.51	1.60	0.07	0.15	0.04	0.029	0.33	1.7	12.0	0.82	1780	0.57	0.02

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193301**

Sample Description	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M400662	0.23	18.5	230	150.0	0.8	<0.001	0.04	25.7	2.5	0.7	0.2	64.6	<0.01	0.02	0.7
M400663	0.25	1.4	180	1.5	1.1	<0.001	0.04	<0.05	0.4	0.3	<0.2	48.3	<0.01	<0.01	0.2
M400664	0.07	24.5	440	630	5.9	<0.001	0.09	5.30	7.6	0.5	1.4	44.6	<0.01	0.05	3.1
M400665	0.05	18.8	390	1315	5.5	<0.001	0.23	8.20	7.1	0.3	1.7	41.3	<0.01	0.04	2.1
M400666	<0.05	18.4	320	586	7.5	<0.001	0.21	8.34	6.4	0.2	3.5	39.7	<0.01	0.06	3.0
M400667	0.05	17.5	460	829	8.6	<0.001	0.22	11.90	6.9	0.3	2.3	43.4	<0.01	0.06	3.8
M400668	0.20	13.6	360	56.9	7.8	<0.001	0.14	2.66	6.5	0.5	1.0	301	<0.01	0.03	2.6
M400669	0.10	32.4	270	10.2	15.8	<0.001	0.34	1.40	7.8	0.3	0.5	120.5	<0.01	0.04	2.9
M400670	0.15	19.9	150	9.1	14.0	<0.001	0.14	0.55	7.2	0.4	0.4	29.1	<0.01	0.03	2.8
M400671	0.15	23.8	160	11.0	18.0	<0.001	0.04	0.59	7.4	0.2	0.6	53.4	<0.01	0.04	3.8
M400672	0.19	23.3	130	8.2	17.2	<0.001	0.01	0.89	8.7	0.3	0.6	61.7	<0.01	0.07	4.0
M400673	0.16	36.1	160	10.5	15.5	<0.001	0.03	1.30	8.3	0.3	0.6	61.3	<0.01	0.05	4.0
M400674	0.17	28.8	170	8.7	16.3	<0.001	0.01	1.38	7.6	0.2	0.6	81.7	<0.01	0.04	4.5
M400675	0.16	32.1	120	8.9	15.2	<0.001	0.01	1.45	7.4	0.2	0.6	50.2	<0.01	0.03	3.9
M400676	0.20	17.0	790	>10000	9.9	0.003	6.84	113.5	2.4	10.1	2.2	582	<0.01	0.51	3.4
M400677	0.14	29.7	120	16.0	15.5	<0.001	0.04	1.92	7.2	0.3	0.6	114.5	<0.01	0.03	3.6
M400678	0.08	35.9	30	26.1	13.7	<0.001	0.31	5.97	7.4	0.3	0.4	61.7	<0.01	0.04	1.7
M400679	0.14	38.7	10	18.9	14.8	<0.001	0.42	3.94	6.8	0.2	0.5	47.8	<0.01	0.03	2.2
M400680	0.15	28.6	40	7.6	15.5	<0.001	0.03	1.55	6.9	0.2	0.6	83.2	<0.01	0.02	3.1
M400681	0.16	28.4	40	7.6	15.3	<0.001	0.03	1.53	6.9	0.2	0.6	79.4	<0.01	0.02	3.0
M400682	0.13	32.4	60	6.9	15.1	<0.001	0.01	1.26	7.5	<0.2	0.7	39.6	<0.01	0.02	3.1
M400683	0.15	31.5	60	6.6	15.0	<0.001	0.02	1.29	7.3	<0.2	0.8	41.2	<0.01	0.02	3.0
M400684	0.07	43.5	10	12.1	14.8	<0.001	0.09	3.01	8.8	0.3	0.6	38.8	<0.01	0.03	1.6
M400685	0.10	48.9	10	7.8	12.4	<0.001	0.04	1.44	9.6	0.4	0.7	76.1	<0.01	0.03	1.7
M400686	0.13	39.5	10	7.6	15.9	<0.001	0.03	0.51	7.9	0.4	0.7	42.4	<0.01	0.03	2.0
M400687	0.24	22.3	620	>10000	6.8	0.002	2.59	47.5	3.3	4.1	2.1	290	<0.01	0.17	2.1
M400688	0.07	46.1	20	12.2	11.9	<0.001	0.01	0.11	8.6	0.2	0.4	37.4	<0.01	0.02	1.3
M400689	0.08	53.1	20	20.3	9.1	0.003	0.03	0.48	8.9	0.6	1.3	127.0	<0.01	0.03	2.2
M400690	0.29	0.5	160	1.9	1.9	<0.001	0.05	<0.05	0.4	0.3	<0.2	44.3	<0.01	<0.01	<0.2
M400691	0.06	38.5	170	9.7	14.7	<0.001	0.01	0.25	5.1	0.3	0.5	83.2	<0.01	0.05	3.1
M400692	0.10	31.7	150	10.7	18.1	<0.001	0.02	0.26	6.2	0.4	0.5	85.2	<0.01	0.03	3.4
M400693	0.08	31.4	120	9.5	17.1	<0.001	0.03	1.16	6.6	0.4	0.6	70.2	<0.01	0.03	3.0
M400694	0.14	30.4	150	9.2	20.6	<0.001	0.01	0.44	6.3	0.2	0.7	54.6	<0.01	0.02	4.2
M400695	0.13	29.0	140	8.9	20.3	<0.001	0.02	0.41	6.2	0.4	0.7	50.6	<0.01	0.03	3.9
M400696	0.12	32.4	110	9.4	16.5	<0.001	0.01	0.30	6.2	0.2	0.6	49.1	<0.01	0.02	3.8
M400697	0.11	31.5	100	8.2	15.5	<0.001	0.03	0.18	6.3	0.3	0.7	101.0	<0.01	0.03	3.1



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193301**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Ag- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Ag ppm	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	1	0.001
M400662		<0.005	0.78	0.86	3	0.19	13.90	1440	2.2			
M400663		<0.005	<0.02	0.67	1	0.08	1.04	18	<0.5			
M400664		<0.005	1.55	1.62	8	0.17	6.21	354	6.1			
M400665		<0.005	1.88	1.05	7	0.46	4.94	128	5.0			
M400666		<0.005	0.93	0.69	6	0.12	3.52	24	4.7			
M400667		<0.005	0.76	0.89	6	0.07	6.08	16	5.5			
M400668		<0.005	0.25	0.96	4	0.05	10.95	33	4.4			
M400669		<0.005	0.29	0.47	8	<0.05	8.91	31	4.3			
M400670		<0.005	0.44	0.48	10	<0.05	9.72	28	2.8			
M400671		0.017	0.24	0.62	18	0.06	4.99	32	3.5			
M400672		0.024	0.18	0.45	29	0.08	4.33	29	3.8			
M400673		0.017	0.28	0.62	25	0.09	5.09	44	3.3			
M400674		0.021	0.22	0.56	33	0.08	5.35	40	3.7			
M400675		0.019	0.17	0.45	30	0.06	4.29	47	3.4			
M400676		<0.005	0.21	1.26	13	0.69	7.84	>10000	2.4	5.10	162	5.26
M400677		0.018	0.26	0.57	25	0.07	6.39	64	3.4			
M400678		<0.005	2.27	0.85	24	<0.05	3.59	52	2.6			
M400679		0.012	1.14	0.74	20	0.06	2.98	61	2.9			
M400680		0.019	0.33	0.54	24	0.06	5.92	46	3.6			
M400681		0.019	0.32	0.52	24	0.06	5.73	45	3.7			
M400682		0.023	0.56	0.53	23	0.06	3.56	44	3.9			
M400683		0.023	0.55	0.50	23	0.06	3.58	43	4.0			
M400684		<0.005	1.40	1.65	30	<0.05	4.19	54	3.0			
M400685		<0.005	0.51	1.81	34	<0.05	6.01	74	3.3			
M400686		0.015	0.36	1.26	28	<0.05	3.53	48	3.6			
M400687		0.052	0.13	0.77	31	6.00	7.55	>10000	6.1	1.980		1.920
M400688		<0.005	0.20	1.28	26	<0.05	3.40	67	3.0			
M400689		<0.005	0.15	2.70	41	<0.05	7.10	85	6.6			
M400690		<0.005	<0.02	1.21	1	0.07	0.97	16	<0.5			
M400691		0.011	0.13	1.08	20	0.05	5.29	60	4.5			
M400692		0.013	0.13	1.12	18	0.05	6.32	51	5.4			
M400693		0.008	0.13	1.07	18	<0.05	6.18	54	5.5			
M400694		0.026	0.13	0.56	21	0.07	5.38	45	4.8			
M400695		0.023	0.14	0.73	24	0.06	5.28	45	4.9			
M400696		0.023	0.11	0.55	18	0.05	4.29	54	4.4			
M400697		0.013	0.10	0.88	22	0.05	5.47	55	4.7			





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**Account: MTT**

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193301**

**CERTIFICATE COMMENTS**

Applies to Method:



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12193302**

Project: Crag East  
 P.O. No.: Batch 28  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12193302**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N832300		3.66	0.002	0.23	0.19	205	<0.2	<10	100	0.18	0.07	16.40	0.03	9.43	3.8	2
N832301		11.77	0.001	0.07	0.08	233	<0.2	<10	40	0.11	0.01	19.05	0.04	6.35	1.9	<1
N832302		3.39	0.002	<0.01	0.02	3	<0.2	<10	10	<0.05	0.02	19.65	0.05	1.02	1.3	<1
N832303		8.62	0.001	0.01	0.02	95	<0.2	<10	10	0.05	<0.01	18.50	0.02	1.47	0.9	<1
N832304		0.20	0.088	61.1	0.93	2580	<0.2	<10	80	0.34	3.84	5.73	127.0	15.20	12.3	31
N832305		7.89	0.001	0.01	0.03	137	<0.2	<10	10	0.07	<0.01	18.90	0.03	1.52	0.9	<1
N832306		7.81	0.001	<0.01	0.03	154	<0.2	<10	10	0.05	<0.01	19.80	0.01	1.30	1.0	<1
N832307		7.26	0.001	0.01	0.04	162	<0.2	<10	10	0.07	<0.01	20.0	0.03	1.99	1.0	<1
N832308		6.92	0.001	<0.01	0.03	205	<0.2	<10	10	0.07	<0.01	19.60	0.03	1.50	0.9	<1
N832309		9.88	0.002	<0.01	0.02	109	<0.2	<10	10	0.05	<0.01	19.35	0.01	0.84	0.9	<1
N832310		8.61	0.001	<0.01	0.02	71	<0.2	<10	10	<0.05	<0.01	19.40	0.01	0.99	0.9	<1
N832311		7.95	0.002	<0.01	0.01	63	<0.2	<10	<10	<0.05	<0.01	19.30	0.01	1.03	0.9	<1
N832312		8.58	0.002	0.03	0.03	141	<0.2	<10	10	0.07	<0.01	18.35	0.03	1.70	0.8	<1
N832313		9.65	0.001	0.01	0.02	84	<0.2	<10	10	<0.05	<0.01	18.90	0.01	1.15	0.9	<1
N832314		8.59	0.001	0.01	0.01	84	<0.2	<10	10	<0.05	<0.01	18.50	0.02	0.74	0.9	<1
N832315		7.61	0.001	0.01	0.02	106	<0.2	<10	10	0.05	<0.01	19.25	0.02	0.94	1.0	<1
N832316		10.11	0.003	<0.01	0.02	71	<0.2	<10	10	<0.05	<0.01	18.95	0.01	1.17	0.9	<1
N832317		9.95	0.002	0.01	0.03	75	<0.2	<10	10	<0.05	<0.01	19.40	0.01	1.59	0.8	<1
N832318		10.33	0.001	0.01	0.03	34	<0.2	<10	10	<0.05	<0.01	19.40	<0.01	2.82	0.8	<1
N832319		9.84	0.001	<0.01	0.03	29	<0.2	<10	20	<0.05	<0.01	19.50	0.01	2.11	0.9	<1
N832320		10.04	0.001	0.01	0.02	15	<0.2	<10	10	0.06	<0.01	19.50	0.01	1.88	0.7	<1
N832321		9.32	<0.001	0.01	0.04	75	<0.2	<10	10	0.05	<0.01	20.2	0.01	2.50	1.0	<1
N832322		4.15	0.002	0.01	0.04	62	<0.2	<10	10	0.06	<0.01	19.55	0.01	2.22	0.9	<1
N832323		7.65	0.001	<0.01	0.04	141	<0.2	<10	10	0.06	<0.01	19.65	0.03	2.38	0.9	<1
N832324		3.48	0.001	0.01	0.04	255	<0.2	<10	20	0.10	<0.01	19.70	0.05	2.03	1.0	<1
N832325		7.42	0.001	0.02	0.06	302	<0.2	<10	20	0.09	0.01	19.50	0.08	4.77	1.1	<1
N832326		4.89	0.001	<0.01	0.03	<2	<0.2	<10	10	<0.05	0.02	19.80	0.05	1.14	1.4	<1
N832327		8.03	<0.001	0.01	0.05	335	<0.2	<10	30	0.09	0.01	19.35	0.17	4.25	1.1	<1
N832328		<0.02	0.001	0.01	0.05	326	<0.2	<10	30	0.09	0.01	19.00	0.17	4.18	1.1	<1
N832329		7.29	0.001	0.01	0.06	233	<0.2	<10	30	0.07	0.01	19.80	0.06	4.16	1.0	<1
N832330		9.05	0.001	0.01	0.05	122	<0.2	<10	20	<0.05	0.01	20.0	0.02	4.88	1.3	<1
N832331		0.18	7.62	0.42	0.48	811	<0.2	10	140	0.33	0.62	12.50	3.89	17.80	5.9	27
N832332		9.61	0.005	0.01	0.07	106	<0.2	<10	20	0.05	0.02	19.95	0.01	4.40	1.7	<1
N832333		10.08	0.002	<0.01	0.05	23	<0.2	<10	20	0.05	0.01	20.1	0.01	5.78	1.4	<1
N832334		9.74	0.001	<0.01	0.05	26	<0.2	<10	10	<0.05	0.01	20.0	0.01	4.75	1.4	<1
N832335		10.10	0.001	0.01	0.07	35	<0.2	<10	40	0.07	0.01	19.55	0.01	5.82	1.8	<1

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193302**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N832300		2.19	14.4	2.42	0.67	0.05	0.13	1.56	0.006	0.08	5.3	1.2	8.89	1680	0.57	0.02
N832301		0.86	3.8	1.72	0.33	0.06	0.06	1.22	<0.005	0.03	3.5	1.6	10.75	1490	0.34	0.02
N832302		0.27	1.5	0.47	0.19	0.13	<0.02	0.01	<0.005	0.02	0.5	1.2	11.70	212	0.19	0.01
N832303		0.11	1.2	0.59	0.18	0.12	<0.02	0.24	<0.005	<0.01	0.8	0.5	11.05	714	0.17	0.02
N832304		1.00	1065	3.29	3.75	0.09	0.19	2.93	0.074	0.11	7.5	9.7	0.48	2620	5.71	0.05
N832305		0.12	2.0	0.67	0.15	0.10	<0.02	0.37	<0.005	<0.01	0.8	0.5	11.35	805	0.15	0.02
N832306		0.09	1.5	0.43	0.18	0.14	<0.02	0.24	<0.005	<0.01	0.7	0.6	11.95	782	0.17	0.02
N832307		0.26	2.5	0.49	0.22	0.15	0.02	0.48	<0.005	0.01	1.2	0.6	12.00	705	0.16	0.02
N832308		0.22	1.1	0.49	0.20	0.15	<0.02	0.66	<0.005	0.01	0.8	0.5	11.75	717	0.17	0.02
N832309		0.10	2.0	0.29	0.18	0.17	<0.02	0.45	<0.005	<0.01	0.4	0.4	11.70	495	0.17	0.02
N832310		0.06	1.1	0.25	0.17	0.16	<0.02	0.92	<0.005	<0.01	0.5	0.3	11.75	431	0.13	0.02
N832311		<0.05	1.3	0.27	0.17	0.16	<0.02	0.41	<0.005	<0.01	0.6	0.3	11.75	467	0.13	0.02
N832312		0.20	1.9	0.43	0.17	0.12	<0.02	0.97	<0.005	0.01	0.9	0.5	11.10	572	0.19	0.02
N832313		0.10	1.5	0.39	0.17	0.15	<0.02	0.99	<0.005	<0.01	0.6	0.3	11.45	582	0.14	0.02
N832314		<0.05	1.4	0.27	0.17	0.17	<0.02	1.39	<0.005	<0.01	0.4	0.3	11.15	525	0.13	0.02
N832315		0.11	1.5	0.34	0.18	0.16	<0.02	0.79	<0.005	<0.01	0.5	0.3	11.75	538	0.14	0.02
N832316		0.07	1.0	0.40	0.18	0.14	<0.02	0.36	<0.005	<0.01	0.6	0.3	11.50	643	0.13	0.02
N832317		0.10	1.2	1.02	0.20	0.09	<0.02	0.56	<0.005	<0.01	0.9	0.3	11.35	1310	0.16	0.02
N832318		0.15	1.8	1.54	0.22	0.06	<0.02	0.35	<0.005	0.01	1.8	0.3	11.05	1780	0.11	0.02
N832319		0.10	2.1	0.97	0.21	0.09	0.02	0.38	<0.005	0.01	1.4	0.4	11.35	1290	0.13	0.03
N832320		<0.05	1.5	1.19	0.18	0.05	<0.02	0.24	<0.005	<0.01	1.3	0.4	11.05	1520	0.11	0.02
N832321		0.16	1.5	0.93	0.22	0.08	0.02	0.47	<0.005	0.01	1.6	0.6	11.75	1320	0.16	0.02
N832322		0.12	1.7	0.87	0.22	0.09	0.02	0.34	<0.005	0.01	1.4	0.5	11.55	1250	0.14	0.02
N832323		0.13	2.6	0.79	0.24	0.11	0.02	1.06	<0.005	0.01	1.6	0.6	11.45	1140	0.15	0.02
N832324		0.18	2.6	0.61	0.22	0.13	0.02	1.98	<0.005	0.01	1.1	0.5	11.35	1030	0.16	0.02
N832325		0.41	3.9	1.24	0.28	0.08	0.04	1.85	<0.005	0.02	2.5	0.6	11.10	1240	0.23	0.02
N832326		0.33	2.6	0.47	0.21	0.14	<0.02	0.02	<0.005	0.02	0.6	0.8	11.95	209	0.13	0.01
N832327		0.38	2.2	0.91	0.30	0.11	0.03	1.82	<0.005	0.01	2.3	0.6	11.30	1120	0.17	0.02
N832328		0.37	2.1	0.89	0.29	0.10	0.03	1.83	<0.005	0.01	2.3	0.5	11.10	1080	0.18	0.02
N832329		0.54	2.5	0.67	0.25	0.11	0.03	1.00	<0.005	0.02	2.7	0.5	11.75	856	0.16	0.02
N832330		0.27	2.2	0.48	0.23	0.14	0.03	0.82	<0.005	0.01	3.6	0.4	11.95	762	0.15	0.02
N832331		2.27	32.8	1.38	1.39	0.10	0.07	5.74	0.062	0.22	9.4	1.0	0.58	266	12.55	0.01
N832332		0.61	3.6	0.54	0.27	0.12	0.04	1.12	<0.005	0.02	3.0	0.5	12.00	789	0.21	0.02
N832333		0.36	2.5	0.42	0.26	0.16	0.03	0.37	<0.005	0.01	4.2	0.4	12.15	649	0.16	0.02
N832334		0.38	2.5	0.39	0.26	0.15	0.03	0.36	<0.005	0.01	3.2	0.3	12.20	687	0.17	0.02
N832335		0.64	4.3	0.69	0.33	0.12	0.05	0.57	<0.005	0.03	3.4	0.5	11.55	966	0.18	0.02

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



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193302**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
N832300		0.20	7.8	570	28.0	3.6	0.001	0.06	3.21	2.4	0.5	0.7	103.5	<0.01	0.02	2.1
N832301		0.24	2.5	460	14.9	1.5	<0.001	0.06	2.72	1.2	0.5	<0.2	95.2	<0.01	0.02	0.8
N832302		0.26	0.5	160	1.4	1.6	<0.001	0.04	<0.05	0.5	0.3	<0.2	44.2	<0.01	0.01	<0.2
N832303		0.22	<0.2	150	2.4	0.2	<0.001	0.04	1.59	0.3	0.3	<0.2	73.9	<0.01	0.01	<0.2
N832304		0.25	23.3	630	>10000	6.9	0.002	2.75	44.7	3.4	4.0	1.9	289	<0.01	0.16	2.1
N832305		0.17	<0.2	170	6.7	0.3	<0.001	0.04	2.48	0.3	0.3	<0.2	65.3	<0.01	0.01	<0.2
N832306		0.20	0.3	280	1.6	0.2	<0.001	0.04	1.85	0.3	0.3	0.2	79.9	<0.01	0.01	<0.2
N832307		0.21	0.3	340	3.1	0.4	<0.001	0.04	5.02	0.4	0.4	<0.2	62.0	<0.01	0.01	<0.2
N832308		0.20	0.7	340	2.5	0.3	<0.001	0.04	6.41	0.4	0.4	<0.2	73.2	<0.01	0.01	<0.2
N832309		0.20	0.7	390	1.7	0.2	<0.001	0.04	2.33	0.3	0.3	<0.2	72.8	<0.01	0.01	<0.2
N832310		0.19	0.9	380	1.0	0.1	<0.001	0.04	1.30	0.2	0.3	<0.2	62.4	<0.01	0.01	<0.2
N832311		0.19	0.9	130	1.0	0.1	<0.001	0.04	1.25	0.2	0.3	0.2	61.8	<0.01	0.01	<0.2
N832312		0.15	0.6	200	2.6	0.3	<0.001	0.05	4.45	0.4	0.3	0.3	62.9	<0.01	0.01	0.2
N832313		0.18	0.8	120	1.5	0.2	<0.001	0.04	1.72	0.3	0.2	0.2	63.0	<0.01	0.01	<0.2
N832314		0.17	1.2	130	2.6	0.1	<0.001	0.04	3.27	0.2	0.3	0.3	76.7	<0.01	<0.01	<0.2
N832315		0.18	1.5	160	1.6	0.2	<0.001	0.04	3.38	0.3	0.3	0.3	87.5	<0.01	0.01	<0.2
N832316		0.18	1.5	160	1.6	0.1	<0.001	0.05	1.76	0.2	0.3	<0.2	78.2	<0.01	0.01	<0.2
N832317		0.19	1.1	230	2.1	0.2	<0.001	0.05	2.28	0.3	0.4	0.2	62.9	<0.01	0.01	<0.2
N832318		0.19	0.9	350	3.0	0.3	<0.001	0.10	1.22	0.4	0.4	0.2	67.0	<0.01	0.01	<0.2
N832319		0.20	1.6	350	2.5	0.3	0.001	0.08	0.77	0.4	0.3	<0.2	48.9	<0.01	0.02	0.2
N832320		0.14	<0.2	260	1.7	0.1	<0.001	0.05	0.55	0.3	0.3	<0.2	46.9	<0.01	0.01	<0.2
N832321		0.16	<0.2	540	2.8	0.4	<0.001	0.05	1.96	0.6	0.3	<0.2	61.3	<0.01	0.01	0.2
N832322		0.16	0.2	500	2.0	0.3	<0.001	0.05	1.68	0.5	0.3	<0.2	55.0	<0.01	0.01	<0.2
N832323		0.16	0.6	310	3.4	0.3	<0.001	0.04	3.80	0.5	0.3	<0.2	66.6	<0.01	0.01	0.2
N832324		0.17	0.9	200	4.9	0.3	<0.001	0.04	6.84	0.5	0.3	<0.2	140.5	<0.01	0.01	<0.2
N832325		0.19	1.8	570	10.4	0.7	<0.001	0.04	9.56	1.0	0.4	0.2	135.5	<0.01	0.02	0.5
N832326		0.18	2.9	160	1.2	1.5	<0.001	0.05	0.10	0.6	0.3	<0.2	40.6	<0.01	0.01	<0.2
N832327		0.18	1.8	590	12.6	0.6	<0.001	0.04	12.60	0.9	0.4	<0.2	143.5	<0.01	0.01	0.4
N832328		0.17	2.2	590	12.5	0.6	<0.001	0.04	12.05	0.9	0.4	<0.2	138.0	<0.01	0.01	0.4
N832329		0.14	1.6	220	5.4	0.8	<0.001	0.04	6.59	1.0	0.4	<0.2	68.6	<0.01	0.02	0.4
N832330		0.16	2.5	180	3.2	0.5	<0.001	0.04	2.90	0.7	0.4	<0.2	57.5	<0.01	0.01	0.3
N832331		0.10	63.6	4280	4.8	15.9	0.038	1.36	4.59	5.9	7.4	0.8	131.5	0.01	0.42	4.3
N832332		0.16	3.2	240	16.7	0.9	<0.001	0.05	6.86	1.1	0.4	<0.2	50.7	<0.01	0.02	0.6
N832333		0.16	3.3	230	5.0	0.5	<0.001	0.06	1.23	0.9	0.4	<0.2	48.3	<0.01	0.01	0.4
N832334		0.16	3.5	190	3.7	0.6	0.001	0.06	1.42	0.8	0.4	<0.2	40.2	<0.01	0.01	0.4
N832335		0.17	4.4	390	8.9	1.1	0.001	0.07	8.35	1.2	0.4	<0.2	55.1	<0.01	0.02	0.7

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**CERTIFICATE OF ANALYSIS WH12193302**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
N832300		<0.005	0.87	2.01	6	0.86	7.18	28	4.6		
N832301		<0.005	0.81	1.96	4	0.24	6.46	27	2.2		
N832302		<0.005	0.02	0.62	1	0.07	0.96	12	<0.5		
N832303		<0.005	0.09	1.16	1	0.11	2.24	11	0.5		
N832304		0.052	0.13	0.75	31	6.16	7.50	>10000	6.1	1.990	1.985
N832305		<0.005	0.16	1.06	1	0.09	2.26	24	0.5		
N832306		<0.005	0.68	1.23	1	0.06	2.66	16	0.5		
N832307		<0.005	0.13	1.47	2	0.16	3.29	21	0.8		
N832308		<0.005	0.21	1.39	2	0.16	3.27	25	0.8		
N832309		<0.005	0.28	1.39	2	0.08	2.34	14	<0.5		
N832310		<0.005	0.25	1.21	1	0.06	1.89	11	<0.5		
N832311		<0.005	0.27	1.18	1	0.06	1.67	9	<0.5		
N832312		<0.005	0.12	1.50	1	0.14	2.30	16	0.6		
N832313		<0.005	0.29	1.12	1	0.09	1.77	11	<0.5		
N832314		<0.005	0.18	1.29	1	0.11	1.79	14	<0.5		
N832315		<0.005	0.11	1.25	1	0.12	1.85	18	<0.5		
N832316		<0.005	0.22	1.34	1	0.06	1.89	10	<0.5		
N832317		<0.005	0.73	1.23	2	0.08	2.79	23	<0.5		
N832318		<0.005	0.44	1.53	2	0.06	3.64	16	0.5		
N832319		<0.005	0.32	1.91	1	0.06	3.20	8	0.5		
N832320		<0.005	0.15	1.42	1	0.05	2.50	9	<0.5		
N832321		<0.005	2.34	1.75	1	0.07	3.46	27	0.8		
N832322		<0.005	1.57	1.60	1	0.07	3.04	23	0.6		
N832323		<0.005	0.14	1.88	1	0.07	3.76	26	0.7		
N832324		<0.005	0.26	1.73	2	0.09	4.75	41	0.7		
N832325		<0.005	0.34	2.35	3	0.13	6.08	67	1.5		
N832326		<0.005	<0.02	0.71	2	0.07	0.83	12	<0.5		
N832327		<0.005	0.27	1.82	2	0.19	5.44	64	1.4		
N832328		<0.005	0.28	1.82	2	0.19	5.25	61	1.4		
N832329		<0.005	0.21	1.31	2	0.10	4.57	40	1.0		
N832330		<0.005	0.87	1.24	2	0.08	4.59	23	0.8		
N832331		<0.005	6.14	4.66	82	10.90	22.0	275	6.2		
N832332		<0.005	1.29	1.85	2	0.08	4.25	23	1.3		
N832333		<0.005	0.58	1.80	2	0.06	4.61	5	0.9		
N832334		<0.005	0.66	1.47	2	0.10	3.95	9	0.9		
N832335		<0.005	1.82	1.79	2	0.13	5.69	11	1.4		



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193302**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12193303**

Project: Crag East  
 P.O. No.: Batch 29  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12193303**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400698		7.87	0.001	0.02	0.46	1.7	<0.2	10	250	0.97	0.27	0.79	0.02	5.76	17.0	14
M400699		8.41	0.001	0.01	0.54	0.6	<0.2	10	120	0.92	0.27	0.32	0.01	4.14	11.4	20
M400700		5.25	0.001	0.01	0.45	0.5	<0.2	10	140	0.97	0.27	0.21	0.01	4.11	10.1	16
M400701		0.20	0.091	61.7	0.93	2670	<0.2	<10	80	0.30	3.98	5.79	125.0	14.85	13.8	32
M400702		2.13	0.002	0.06	0.37	16.9	<0.2	10	110	0.65	0.21	1.56	0.05	11.90	20.2	6
M400703		2.89	0.001	0.04	0.36	12.5	<0.2	10	40	0.55	0.22	1.32	0.01	12.60	16.4	8
M400704		5.69	0.002	0.10	0.39	8.1	<0.2	10	50	0.77	0.42	0.66	<0.01	13.85	19.7	11
M400705		8.02	0.002	0.11	0.30	3.8	<0.2	<10	70	0.48	0.19	1.45	0.01	13.55	13.4	8
M400706		7.87	0.002	0.06	0.35	4.8	<0.2	<10	60	0.62	0.24	1.39	0.01	14.30	15.6	7
M400707		2.94	0.001	0.06	0.33	2.6	<0.2	<10	50	0.43	0.14	1.47	0.01	11.15	14.5	8
M400708		2.56	0.002	0.09	0.23	143	<0.2	<10	60	0.19	0.07	10.55	0.14	7.35	4.7	4
M400709		6.92	0.001	0.05	0.20	35	<0.2	<10	60	0.15	0.05	13.80	0.22	6.15	3.0	2
M400710		6.98	0.001	0.10	0.27	70	<0.2	<10	460	0.36	0.14	12.45	0.20	10.95	6.2	2
M400711		4.57	0.002	0.16	0.34	43.5	<0.2	<10	30	0.41	0.19	2.19	0.08	7.26	7.5	5
M400712		4.20	0.002	<0.01	0.02	<2	<0.2	<10	30	<0.05	0.02	19.95	0.05	1.13	1.3	<1
M400713		3.07	0.001	0.14	0.27	25.6	<0.2	<10	20	0.25	0.12	6.42	0.05	8.02	4.1	4
M400714		5.30	0.002	0.21	0.41	52.7	<0.2	<10	30	0.53	0.31	2.11	0.10	10.70	9.8	6
M400715		5.28	0.001	0.09	0.32	43.5	<0.2	<10	50	0.63	0.30	1.33	0.06	7.84	10.4	4
M400716		3.70	0.002	0.08	0.34	50.5	<0.2	<10	50	0.81	0.30	4.39	0.02	11.75	11.4	3
M400717		7.50	0.002	0.07	0.33	35.2	<0.2	<10	180	0.90	0.31	7.81	0.05	10.50	12.0	4
M400718		0.21	1.140	0.80	0.47	224	<0.2	<10	100	0.96	9.00	17.10	1.94	22.3	4.1	20
M400719		7.30	0.002	0.13	0.39	9.9	<0.2	10	90	1.30	0.39	6.46	0.04	16.25	12.4	5
M400720		7.97	0.001	0.05	0.38	18.9	<0.2	10	50	1.26	0.41	3.06	0.02	14.20	13.5	6
M400721		2.11	0.002	0.05	0.35	30.3	<0.2	10	60	1.23	0.38	5.05	0.03	11.95	13.8	4
M400722		3.22	0.001	0.01	0.03	<2	<0.2	<10	10	0.07	0.01	>25.0	<0.01	6.30	0.4	<1
M400723		4.42	0.002	0.01	0.02	<2	<0.2	<10	10	0.05	0.01	>25.0	<0.01	8.45	0.3	<1
M400724		1.96	0.002	0.01	0.01	2	<0.2	<10	10	<0.05	<0.01	>25.0	<0.01	8.66	0.3	<1
M400725		5.76	0.001	0.08	0.21	60	<0.2	<10	110	0.47	0.12	17.80	0.05	6.06	4.1	<1
M400726		4.57	0.002	0.04	0.10	70	<0.2	<10	40	0.26	0.05	22.3	0.01	5.79	2.2	<1
M400727		2.64	0.001	0.02	0.32	542	<0.2	<10	130	0.69	0.34	4.23	0.01	3.86	15.8	4
M400728		7.84	0.001	0.02	0.28	218	<0.2	<10	780	0.87	0.26	5.95	0.01	7.18	14.1	4
M400729		<0.02	0.001	0.01	0.31	274	<0.2	<10	620	0.79	0.29	5.89	0.01	6.65	13.2	4
M400730		7.79	0.005	0.03	0.34	1735	<0.2	10	100	0.60	0.37	4.88	0.02	5.58	15.6	3
M400731		2.35	0.001	0.01	0.31	44.0	<0.2	<10	1980	0.73	0.39	1.34	0.02	5.30	13.7	5
M400732		4.45	0.001	0.01	0.02	<2	<0.2	<10	20	<0.05	0.02	19.25	0.05	1.06	0.7	<1
M400733		5.46	0.004	0.03	0.37	565	<0.2	10	250	0.66	0.49	1.51	0.01	4.48	30.4	4



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400698		6.03	27.1	3.36	1.51	0.06	0.12	0.08	0.029	0.32	2.5	5.8	0.64	1860	0.58	0.02
M400699		6.24	4.5	3.54	1.63	0.07	0.12	0.08	0.020	0.36	1.9	5.1	0.39	186	0.56	0.02
M400700		6.20	9.3	3.19	1.51	0.06	0.11	0.08	0.022	0.32	1.9	4.0	0.33	212	0.48	0.02
M400701		0.93	1090	3.30	3.78	0.10	0.18	2.94	0.069	0.11	7.4	7.9	0.47	2670	5.35	0.05
M400702		3.96	94.4	3.50	1.22	0.07	0.09	0.03	0.029	0.26	5.3	4.7	0.93	1850	2.88	0.03
M400703		3.69	61.2	3.65	1.22	0.06	0.09	0.06	0.028	0.23	5.8	5.5	0.83	1100	0.77	0.03
M400704		3.59	72.4	3.75	1.34	0.06	0.09	0.05	0.038	0.22	6.5	9.2	0.64	960	0.52	0.03
M400705		2.58	26.3	3.30	0.96	0.06	0.11	0.04	0.029	0.20	6.0	5.3	0.78	1440	0.37	0.02
M400706		3.28	25.3	3.43	1.10	0.07	0.11	0.05	0.030	0.25	5.8	4.4	0.76	1340	0.49	0.02
M400707		2.75	27.6	4.36	1.22	0.08	0.07	0.03	0.033	0.23	4.4	5.2	0.94	1520	0.27	0.02
M400708		2.67	18.0	1.86	0.73	0.05	0.12	2.13	0.008	0.09	2.9	1.4	5.00	744	0.37	0.02
M400709		2.44	6.8	1.58	0.52	0.05	0.12	0.83	0.006	0.07	2.2	2.5	5.34	909	0.23	0.02
M400710		6.71	15.5	1.75	0.71	0.05	0.11	1.59	0.018	0.12	4.0	1.8	0.94	366	0.29	0.02
M400711		7.68	32.3	1.68	0.86	<0.05	0.14	1.08	0.009	0.15	2.9	3.8	0.12	159	0.40	0.02
M400712		0.32	1.8	0.47	0.15	0.10	<0.02	0.01	<0.005	0.01	0.5	0.9	11.85	205	0.16	0.01
M400713		4.91	18.3	1.91	0.69	0.05	0.13	0.49	0.009	0.12	3.0	2.1	3.25	543	0.54	0.02
M400714		13.80	34.8	2.69	1.10	0.07	0.17	1.24	0.012	0.20	4.0	3.5	0.59	273	0.55	0.02
M400715		15.70	26.4	2.11	0.85	<0.05	0.12	1.20	0.018	0.16	3.1	5.1	0.33	299	0.48	0.02
M400716		14.95	28.8	2.59	0.98	0.06	0.11	1.23	0.034	0.18	3.2	2.4	0.44	438	0.37	0.02
M400717		11.85	23.4	2.84	0.99	0.07	0.10	1.08	0.038	0.17	3.3	3.7	0.60	516	0.37	0.02
M400718		2.23	74.7	2.39	2.89	0.07	0.22	2.14	0.600	0.15	13.8	5.2	3.17	1580	71.6	<0.01
M400719		16.90	19.6	3.60	1.04	<0.05	0.10	0.71	0.043	0.19	5.1	4.4	0.76	613	0.35	0.01
M400720		17.30	19.7	3.57	0.99	<0.05	0.10	0.76	0.042	0.19	5.2	4.9	0.67	578	0.24	0.01
M400721		17.05	22.7	3.55	0.93	<0.05	0.09	0.86	0.043	0.19	5.0	5.7	0.70	667	0.29	0.01
M400722		0.32	1.1	0.34	0.10	<0.05	<0.02	0.01	<0.005	0.01	3.6	0.4	0.28	1050	0.11	<0.01
M400723		0.18	1.2	0.30	0.10	<0.05	<0.02	0.03	<0.005	0.01	5.0	0.3	0.13	1080	0.11	<0.01
M400724		0.07	2.2	0.31	0.08	<0.05	<0.02	0.02	<0.005	<0.01	5.0	0.2	0.15	1080	0.13	<0.01
M400725		4.87	12.9	1.78	0.55	<0.05	0.11	1.63	0.011	0.10	2.9	1.1	5.59	795	0.37	0.01
M400726		0.83	6.9	1.34	0.31	<0.05	0.07	0.64	<0.005	0.04	3.1	1.1	8.93	1040	0.24	0.01
M400727		5.82	26.4	2.69	0.97	<0.05	0.06	3.08	0.029	0.23	1.2	3.8	1.00	1300	0.26	<0.01
M400728		8.00	30.6	2.58	0.89	<0.05	0.07	4.35	0.024	0.21	2.5	1.1	0.80	1530	0.31	<0.01
M400729		7.55	32.4	2.51	0.89	<0.05	0.08	4.65	0.022	0.24	2.2	1.1	0.79	1540	0.28	<0.01
M400730		4.99	45.4	2.44	0.94	<0.05	0.08	2.52	0.026	0.25	1.9	1.6	0.89	1270	0.41	<0.01
M400731		8.19	19.1	2.76	0.84	<0.05	0.08	2.59	0.022	0.24	1.8	0.9	0.57	506	0.22	<0.01
M400732		0.15	1.5	0.48	0.08	<0.05	<0.02	0.01	<0.005	0.01	0.5	0.6	11.65	202	0.11	<0.01
M400733		14.05	17.9	1.62	1.05	<0.05	0.09	1.46	0.026	0.28	1.4	2.2	0.50	598	0.47	<0.01

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



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**CERTIFICATE OF ANALYSIS WH12193303**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M400698		0.08	26.9	100	9.4	16.6	<0.001	0.02	0.37	5.1	0.3	0.6	59.1	<0.01	0.04	3.7
M400699		0.10	25.7	30	9.8	18.6	<0.001	0.01	0.42	3.7	0.2	0.7	34.4	<0.01	0.05	4.1
M400700		0.10	25.0	60	8.8	17.3	<0.001	0.01	0.33	4.1	<0.2	0.6	32.5	<0.01	0.03	3.7
M400701		0.23	27.9	630	>10000	6.2	0.002	2.78	39.3	4.0	4.2	1.7	289	<0.01	0.14	2.2
M400702		<0.05	23.8	70	16.8	11.0	<0.001	0.17	0.31	4.6	0.2	1.1	73.5	<0.01	0.01	5.0
M400703		<0.05	20.2	140	11.0	9.5	<0.001	0.12	0.14	5.1	0.2	3.0	55.6	<0.01	0.01	5.6
M400704		<0.05	26.4	50	17.9	9.9	<0.001	0.39	0.13	7.2	0.2	3.3	68.0	<0.01	0.01	4.3
M400705		<0.05	15.7	110	18.5	8.1	<0.001	0.20	0.06	4.8	0.2	2.4	96.6	<0.01	<0.01	5.2
M400706		<0.05	18.3	320	19.5	9.8	<0.001	0.26	0.08	5.2	0.3	0.9	81.7	<0.01	0.01	5.8
M400707		0.05	22.9	300	14.4	9.9	<0.001	0.35	0.05	5.3	0.2	0.8	74.2	<0.01	<0.01	5.8
M400708		0.09	11.0	290	22.0	3.1	<0.001	0.04	2.60	2.9	0.4	1.8	47.6	<0.01	0.01	2.7
M400709		0.11	5.7	430	18.3	2.4	<0.001	0.04	1.34	2.8	0.4	0.5	55.8	<0.01	<0.01	2.3
M400710		0.10	14.5	270	136.5	4.7	<0.001	0.22	1.84	4.2	0.8	1.6	174.0	<0.01	0.01	5.4
M400711		<0.05	20.7	730	65.9	6.3	0.001	1.32	1.43	2.4	1.0	4.0	33.0	<0.01	0.01	5.2
M400712		0.17	1.5	160	1.5	1.1	<0.001	0.05	<0.05	0.5	0.2	<0.2	43.3	<0.01	0.01	<0.2
M400713		0.06	12.7	940	27.4	5.3	0.001	1.06	1.04	3.1	0.7	2.0	34.2	<0.01	0.01	3.8
M400714		<0.05	27.3	960	55.6	9.1	0.002	2.26	1.60	3.9	1.0	3.2	33.0	<0.01	0.02	6.3
M400715		<0.05	24.4	70	30.3	8.1	0.002	1.64	0.78	3.2	0.4	2.1	20.8	<0.01	0.01	3.9
M400716		0.05	24.1	190	34.2	8.5	0.001	1.73	1.12	5.7	0.7	3.5	107.5	<0.01	0.01	5.2
M400717		0.07	25.0	160	27.1	7.9	0.001	1.56	0.47	7.5	0.7	2.1	166.5	<0.01	0.01	4.8
M400718		0.05	75.9	1100	19.4	11.1	0.056	0.90	7.33	3.6	3.2	2.9	202	<0.01	0.37	3.6
M400719		<0.05	31.1	610	24.4	9.3	0.001	1.20	0.15	7.4	0.6	0.9	218	<0.01	0.02	6.5
M400720		<0.05	31.2	480	27.3	9.2	<0.001	1.14	0.22	7.5	0.6	1.1	65.0	<0.01	0.01	5.6
M400721		<0.05	33.1	150	25.8	9.0	<0.001	1.14	0.62	7.1	0.7	1.8	96.1	<0.01	0.01	4.7
M400722		<0.05	6.4	20	1.0	0.4	<0.001	0.05	0.07	0.4	0.3	<0.2	384	<0.01	<0.01	<0.2
M400723		<0.05	6.2	10	1.1	0.3	<0.001	0.07	0.10	0.3	0.2	<0.2	382	<0.01	0.01	<0.2
M400724		<0.05	6.0	10	1.2	0.1	<0.001	0.08	0.09	0.2	0.2	<0.2	387	<0.01	<0.01	<0.2
M400725		<0.05	15.1	500	17.7	4.2	0.001	1.14	2.23	2.3	0.5	0.8	247	<0.01	0.03	1.5
M400726		<0.05	8.8	360	12.1	1.3	<0.001	0.35	1.23	1.3	0.2	0.2	214	<0.01	0.05	0.9
M400727		<0.05	21.0	240	6.5	9.3	<0.001	0.33	1.26	6.4	0.4	1.3	67.5	<0.01	0.06	2.9
M400728		<0.05	16.0	250	7.0	9.9	<0.001	0.45	1.28	5.9	0.6	0.6	151.0	<0.01	0.08	3.2
M400729		<0.05	15.2	250	7.5	10.1	<0.001	0.49	1.33	5.6	0.2	0.5	144.5	<0.01	0.09	3.3
M400730		<0.05	18.9	320	11.3	9.1	<0.001	1.03	7.74	6.3	0.3	0.5	131.5	<0.01	0.09	2.8
M400731		<0.05	18.9	270	3.2	10.4	<0.001	0.17	1.08	4.6	0.2	0.3	60.6	<0.01	0.07	3.4
M400732		<0.05	4.7	170	1.1	0.6	<0.001	0.03	0.06	0.2	<0.2	<0.2	39.5	<0.01	<0.01	<0.2
M400733		<0.05	22.3	220	15.7	11.4	<0.001	0.89	3.60	5.7	0.2	0.3	41.8	<0.01	0.13	3.2



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
M400698		0.017	0.12	0.90	20	0.05	4.27	45	3.8		
M400699		0.024	0.15	1.13	22	0.06	3.36	36	3.4		
M400700		0.021	0.12	0.55	15	0.06	3.08	33	3.1		
M400701		0.052	0.14	0.77	32	6.31	6.69	>10000	5.8	1.955	1.950
M400702		<0.005	0.14	0.52	9	<0.05	3.78	53	2.7		
M400703		<0.005	0.12	0.58	12	<0.05	3.83	33	2.8		
M400704		<0.005	0.16	0.67	18	0.10	3.45	55	3.1		
M400705		<0.005	0.09	0.48	9	0.11	3.26	53	3.5		
M400706		<0.005	0.11	0.55	9	0.06	5.52	54	3.7		
M400707		<0.005	0.09	0.43	10	0.05	4.55	41	2.5		
M400708		<0.005	0.42	0.53	6	0.18	3.89	90	5.0		
M400709		<0.005	0.33	0.62	5	0.07	4.18	92	5.0		
M400710		<0.005	1.08	0.50	4	0.05	6.40	80	5.3		
M400711		<0.005	0.64	0.52	4	0.05	4.04	37	5.5		
M400712		<0.005	<0.02	0.60	1	0.07	0.86	12	<0.5		
M400713		<0.005	0.30	0.80	5	0.17	5.22	30	5.8		
M400714		<0.005	0.57	0.77	5	0.10	6.11	55	7.5		
M400715		<0.005	0.53	0.38	4	0.06	2.57	55	4.2		
M400716		<0.005	0.92	0.44	5	<0.05	5.99	30	3.6		
M400717		<0.005	0.84	0.39	7	<0.05	7.17	85	3.3		
M400718		<0.005	0.96	14.55	146	15.75	19.05	417	8.5		
M400719		<0.005	0.29	0.40	7	0.06	9.77	78	4.4		
M400720		<0.005	0.30	0.32	7	<0.05	7.47	76	4.0		
M400721		<0.005	0.44	0.26	7	<0.05	6.83	79	3.0		
M400722		<0.005	0.04	0.12	<1	<0.05	3.67	3	<0.5		
M400723		<0.005	0.04	0.12	<1	<0.05	4.30	2	<0.5		
M400724		<0.005	0.03	0.11	<1	<0.05	4.61	2	<0.5		
M400725		<0.005	0.62	1.22	4	0.09	6.53	42	4.2		
M400726		<0.005	0.31	1.81	3	0.09	5.11	11	2.4		
M400727		<0.005	0.72	0.36	8	0.62	7.52	34	2.1		
M400728		<0.005	1.30	0.60	8	0.32	8.29	21	2.5		
M400729		<0.005	1.40	0.67	9	0.32	7.84	21	2.4		
M400730		<0.005	0.39	0.60	6	0.77	8.40	28	2.5		
M400731		<0.005	0.16	0.48	9	0.07	5.38	23	2.5		
M400732		<0.005	<0.02	0.84	1	0.05	0.76	13	<0.5		
M400733		<0.005	0.24	0.20	5	0.26	4.32	17	2.8		



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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: STRATEGIC METALS LTD.  
C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
LIMITED  
1016- 510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 6- SEP- 2012  
Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193303**

**CERTIFICATE COMMENTS**

Applies to Method:



ALS Canada Ltd.  
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**Finalized Date: 5- SEP- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12193304**

Project: Crag East  
 P.O. No.: Batch 30  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12193304**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400734		5.38	0.001	0.02	0.55	237	<0.2	<10	440	0.65	0.45	1.88	0.01	4.73	18.9	6
M400735		2.17	0.001	0.02	0.68	28.4	<0.2	10	1180	0.82	0.43	1.53	0.07	4.72	17.3	9
M400736		7.71	0.001	0.01	0.47	33.9	<0.2	<10	680	0.60	0.36	1.57	0.01	4.68	18.3	9
M400737		7.67	0.001	0.01	0.71	10.5	<0.2	10	350	0.80	0.28	1.47	0.01	5.53	11.3	7
M400738		3.60	0.001	0.01	0.64	10.6	<0.2	10	280	0.83	0.29	1.22	<0.01	5.28	10.9	6
M400739		7.72	<0.001	0.02	0.73	24.7	<0.2	10	120	1.00	0.36	1.84	<0.01	3.89	15.5	7
M400740		8.05	0.001	0.02	0.50	567	<0.2	10	110	0.98	0.38	1.57	0.01	3.78	13.3	7
M400741		7.99	0.001	0.01	0.76	223	<0.2	20	130	1.16	0.39	1.60	<0.01	9.24	14.5	8
M400742		5.29	0.003	0.02	0.53	311	<0.2	10	110	0.81	0.51	2.78	0.01	9.48	15.2	7
M400743		7.44	0.001	0.02	0.60	54.0	<0.2	10	60	0.97	0.33	4.08	0.02	7.23	8.1	12
M400744		3.24	0.001	0.03	0.54	54.3	<0.2	10	80	0.83	0.37	5.55	0.01	7.59	16.7	10
M400745		7.78	0.002	0.02	0.74	40.5	<0.2	10	90	1.05	0.44	4.97	<0.01	7.16	12.4	9
M400746		3.92	0.001	0.02	0.03	<2	<0.2	<10	10	<0.05	0.04	20.9	0.05	1.03	0.8	<1
M400747		4.88	0.002	0.04	0.62	75	<0.2	10	110	0.75	0.32	10.00	0.01	8.73	13.1	5
M400748		3.30	0.002	0.02	0.26	14	<0.2	10	50	0.17	0.06	20.4	0.01	11.15	2.9	1
M400749		0.26	7.59	0.53	0.39	786	<0.2	10	130	0.38	0.67	12.65	4.03	17.80	5.3	26
M400750		5.55	0.005	0.09	0.37	58	<0.2	10	120	0.35	0.14	16.15	0.02	14.35	7.5	2
M400751		2.24	0.001	0.12	0.07	36	<0.2	<10	220	0.07	0.02	18.85	0.18	5.27	1.4	<1
M400752		7.80	<0.001	0.05	0.19	67	<0.2	10	90	0.14	0.05	19.65	4.70	8.82	2.4	<1
M400753		7.55	0.001	0.03	0.18	77	<0.2	<10	80	0.13	0.06	19.95	0.13	8.14	2.7	<1
M400754		4.24	0.001	0.01	0.03	<2	<0.2	<10	20	<0.05	0.06	22.1	0.06	1.04	0.7	<1
M400755		6.19	0.002	0.15	0.42	58	<0.2	10	200	0.42	0.17	13.45	0.02	9.70	8.4	5
M400756		0.26	3.74	1.59	0.31	664	<0.2	<10	60	0.31	4.38	2.18	1.90	4.63	7.6	20
M400757		7.54	0.002	0.10	0.35	35	<0.2	10	170	0.30	0.11	15.30	0.25	9.36	5.8	3
M400758		4.06	0.001	0.11	0.15	35	<0.2	<10	50	0.16	0.04	18.10	0.01	9.49	2.6	3
M400759		3.09	<0.001	0.08	0.11	36	<0.2	<10	40	0.12	0.03	20.4	<0.01	7.52	1.7	<1
M400760		2.02	0.002	0.34	0.23	99	<0.2	10	130	0.20	0.09	18.60	0.03	7.26	4.1	<1
M400761		3.07	0.001	0.07	0.48	47	<0.2	10	220	0.45	0.30	11.80	0.02	10.15	12.0	4
M400762		8.43	0.002	0.03	0.25	31	<0.2	10	160	0.25	0.11	19.85	0.01	6.17	3.6	<1
M400763		<0.02	<0.001	0.03	0.22	31	<0.2	<10	140	0.26	0.10	20.3	0.01	6.06	3.4	<1
M400764		7.88	0.002	0.02	0.04	14	<0.2	<10	10	0.13	0.01	23.3	0.02	2.68	0.6	<1
M400765		7.75	0.002	0.01	0.03	14	<0.2	<10	10	0.19	0.01	23.1	0.01	2.12	0.6	<1
M400766		8.29	0.001	<0.01	0.02	8	<0.2	<10	<10	0.10	0.01	21.7	<0.01	1.43	0.4	<1
M400767		6.46	<0.001	0.01	0.01	7	<0.2	<10	<10	0.13	0.01	22.2	<0.01	0.91	0.3	<1
M400768		7.53	0.002	0.01	0.01	10	<0.2	<10	<10	0.14	0.01	22.0	<0.01	0.96	0.3	<1
M400769		7.84	0.001	0.01	0.01	2	<0.2	<10	<10	0.12	0.01	22.1	<0.01	0.89	0.3	<1

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 Plus Appendix Pages  
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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193304**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400734		6.04	13.1	1.79	1.33	<0.05	0.12	0.91	0.028	0.41	1.6	2.8	0.51	572	0.65	0.01
M400735		12.55	15.7	1.48	1.67	<0.05	0.15	0.80	0.063	0.45	1.5	5.2	0.57	655	0.72	0.02
M400736		7.32	24.5	1.48	1.15	<0.05	0.13	0.83	0.018	0.34	1.5	3.3	0.60	693	0.72	0.01
M400737		16.30	11.0	1.72	1.98	<0.05	0.14	0.25	0.030	0.47	1.7	6.8	0.62	624	0.20	0.01
M400738		14.95	12.2	1.81	1.80	<0.05	0.13	0.14	0.024	0.42	1.7	7.3	0.55	496	0.16	0.01
M400739		10.25	11.6	3.00	1.85	<0.05	0.14	0.16	0.018	0.47	1.3	6.0	0.75	309	0.42	0.01
M400740		10.60	8.1	1.94	1.35	<0.05	0.13	0.36	0.023	0.35	1.3	4.6	0.68	252	0.48	<0.01
M400741		10.60	7.9	1.71	2.20	<0.05	0.15	0.40	0.027	0.50	2.0	5.7	0.68	428	0.39	<0.01
M400742		6.39	10.4	2.12	1.41	<0.05	0.13	0.38	0.021	0.36	2.7	3.5	1.19	578	0.56	<0.01
M400743		8.83	10.7	1.71	1.72	<0.05	0.15	0.18	0.017	0.38	2.3	4.7	1.88	307	0.86	<0.01
M400744		7.27	23.0	1.89	1.57	<0.05	0.24	0.41	0.015	0.33	2.7	3.8	2.52	261	0.89	<0.01
M400745		9.91	8.5	1.30	1.82	<0.05	0.29	0.19	0.016	0.43	2.8	4.1	2.33	279	0.62	0.01
M400746		0.28	2.1	0.49	0.11	<0.05	<0.02	<0.01	<0.005	0.02	0.5	1.0	12.10	206	0.24	<0.01
M400747		7.27	14.5	1.70	1.52	<0.05	0.24	0.49	0.016	0.35	3.6	3.4	4.68	422	0.42	0.01
M400748		1.12	7.8	1.17	0.61	<0.05	0.11	0.20	0.011	0.12	5.9	1.5	10.05	776	0.34	0.01
M400749		2.01	32.2	1.41	1.00	0.06	0.31	5.62	0.057	0.19	8.6	1.0	0.58	267	10.35	<0.01
M400750		2.50	14.7	1.71	0.95	<0.05	0.17	0.83	0.010	0.19	6.8	1.8	8.00	634	0.28	0.01
M400751		0.19	4.5	0.95	0.21	<0.05	0.04	0.16	<0.005	0.03	3.0	0.7	10.65	818	0.34	0.01
M400752		0.62	6.2	1.53	0.86	<0.05	0.07	1.18	0.007	0.08	5.8	1.1	10.75	860	0.19	0.01
M400753		0.83	6.8	2.15	0.57	<0.05	0.09	0.46	0.007	0.08	4.5	1.2	10.80	987	0.15	0.01
M400754		0.22	1.7	0.50	0.11	<0.05	<0.02	<0.01	<0.005	0.02	0.5	0.8	12.75	222	0.14	<0.01
M400755		2.38	18.1	1.68	1.22	<0.05	0.23	1.18	0.018	0.20	3.8	1.8	7.00	528	0.31	0.01
M400756		1.65	74.4	2.95	1.07	<0.05	0.21	5.26	0.149	0.19	2.3	1.6	0.90	305	25.3	<0.01
M400757		1.95	11.9	1.82	1.01	<0.05	0.19	0.75	0.015	0.16	4.2	1.7	8.04	783	0.30	0.01
M400758		0.77	5.9	1.08	0.49	<0.05	0.09	0.45	0.005	0.07	5.2	1.2	10.15	910	0.64	0.01
M400759		0.37	4.1	1.28	0.35	<0.05	0.07	0.26	<0.005	0.05	4.2	1.0	11.40	1100	0.29	0.01
M400760		0.90	8.9	1.55	0.68	<0.05	0.11	0.81	0.006	0.11	3.8	1.1	10.30	915	0.31	0.01
M400761		3.08	29.9	2.77	1.35	<0.05	0.17	1.28	0.015	0.24	4.6	1.9	6.36	475	0.25	0.01
M400762		1.14	8.6	1.26	0.71	<0.05	0.10	0.51	0.007	0.12	3.3	1.4	10.05	624	0.19	0.02
M400763		1.10	8.1	1.24	0.55	<0.05	0.09	0.49	0.005	0.11	3.2	1.2	10.30	631	0.27	0.02
M400764		0.06	1.8	0.68	0.13	<0.05	0.03	0.32	<0.005	0.01	1.4	0.8	12.05	661	0.17	0.02
M400765		0.05	1.9	0.85	0.10	<0.05	0.02	0.23	<0.005	0.01	1.3	0.6	12.30	798	0.17	0.02
M400766		<0.05	1.9	0.67	0.08	<0.05	<0.02	0.13	<0.005	<0.01	0.7	0.6	11.95	602	0.13	0.02
M400767		<0.05	1.2	0.46	<0.05	<0.05	<0.02	0.06	<0.005	<0.01	0.5	0.5	12.35	578	0.13	0.02
M400768		<0.05	1.0	0.65	0.06	<0.05	<0.02	0.10	<0.005	<0.01	0.5	0.5	12.65	639	0.10	0.02
M400769		<0.05	1.2	0.72	<0.05	<0.05	<0.02	0.09	<0.005	<0.01	0.5	0.5	12.60	677	0.11	0.02





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**CERTIFICATE OF ANALYSIS WH12193304**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
M400734		0.08	17.7	230	7.7	15.5	<0.001	0.45	1.31	5.1	0.2	0.4	54.8	<0.01	0.10	3.0
M400735		0.08	15.5	240	5.9	16.9	<0.001	0.30	0.39	4.2	0.4	0.5	65.4	<0.01	0.11	3.4
M400736		0.09	16.1	220	8.1	11.6	<0.001	0.35	0.61	4.2	0.3	0.6	89.4	<0.01	0.10	2.9
M400737		0.08	11.0	220	4.0	20.5	<0.001	0.12	0.24	5.5	0.2	0.5	56.6	<0.01	0.05	3.6
M400738		0.08	10.9	220	3.1	19.2	<0.001	0.10	0.18	5.4	0.2	0.7	49.9	<0.01	0.05	3.7
M400739		0.09	17.0	210	8.7	17.2	<0.001	2.02	0.37	4.6	0.3	0.5	51.7	<0.01	0.06	3.1
M400740		0.08	14.4	160	11.8	14.5	<0.001	1.28	2.86	5.4	0.4	0.4	63.7	<0.01	0.07	2.9
M400741		0.09	16.4	230	12.0	19.5	<0.001	1.13	1.37	7.1	0.4	0.6	51.0	<0.01	0.05	3.6
M400742		0.09	18.2	300	15.8	12.8	<0.001	1.59	1.21	7.6	0.4	0.6	77.7	<0.01	0.09	3.6
M400743		0.09	13.2	430	14.7	14.6	<0.001	0.98	0.66	5.6	0.4	0.9	55.0	<0.01	0.03	5.2
M400744		0.08	30.9	830	66.0	12.4	<0.001	1.06	1.32	5.7	0.5	0.9	63.7	<0.01	0.07	6.6
M400745		0.08	13.7	1010	10.9	15.4	<0.001	0.39	0.95	7.7	0.4	0.6	47.2	<0.01	0.13	8.1
M400746		0.08	1.7	170	1.5	1.4	<0.001	0.01	<0.05	0.3	<0.2	<0.2	42.1	<0.01	<0.01	<0.2
M400747		0.08	17.3	1120	13.8	12.3	0.001	0.68	1.11	6.0	0.7	0.6	61.3	<0.01	0.06	6.5
M400748		0.08	5.4	430	6.4	3.8	<0.001	0.33	0.81	2.2	0.2	0.3	78.8	<0.01	0.01	1.5
M400749		0.09	61.3	4270	4.8	13.5	0.036	1.34	6.06	5.0	7.3	0.8	128.0	<0.01	0.56	3.9
M400750		0.08	11.5	620	15.0	6.1	<0.001	0.94	2.13	4.3	0.7	0.8	67.3	<0.01	0.03	3.5
M400751		0.09	1.3	500	3.3	0.8	<0.001	0.04	0.49	0.7	<0.2	0.6	48.6	<0.01	0.01	0.5
M400752		0.08	3.5	380	6.5	2.4	<0.001	0.15	1.38	1.9	0.4	0.4	62.9	<0.01	0.04	1.1
M400753		0.08	4.3	360	6.8	2.5	<0.001	0.12	1.02	2.6	0.3	0.3	61.6	<0.01	0.01	1.2
M400754		0.08	1.5	170	1.3	1.2	<0.001	0.01	<0.05	0.3	<0.2	<0.2	45.8	<0.01	<0.01	<0.2
M400755		0.09	13.5	1010	15.3	6.6	0.001	0.75	2.90	6.7	0.6	0.6	62.8	<0.01	0.03	4.1
M400756		0.11	74.7	870	20.6	12.8	0.039	2.02	10.45	3.1	6.3	2.2	35.5	<0.01	0.82	2.0
M400757		0.09	9.3	740	9.7	5.2	<0.001	0.38	2.01	4.0	<0.2	0.5	73.2	<0.01	0.02	2.6
M400758		0.09	4.0	370	6.7	2.2	<0.001	0.16	1.46	1.5	0.5	0.3	49.4	<0.01	0.03	1.1
M400759		0.08	2.4	340	4.3	1.4	0.001	0.08	1.07	1.0	0.2	0.3	49.2	<0.01	0.02	0.7
M400760		0.07	7.0	530	10.1	3.1	0.001	0.09	2.82	1.9	0.3	0.3	61.2	<0.01	0.03	1.4
M400761		0.08	23.7	730	56.1	7.9	<0.001	2.23	2.59	6.9	0.6	0.9	56.7	<0.01	0.08	5.5
M400762		0.07	6.6	550	12.8	3.8	<0.001	0.79	1.23	2.2	0.4	0.3	105.0	<0.01	0.04	1.5
M400763		0.08	6.8	570	12.8	3.2	<0.001	0.77	1.17	2.1	0.7	0.3	103.0	<0.01	0.04	1.5
M400764		0.07	1.0	520	5.3	0.4	<0.001	0.18	0.54	0.3	0.4	<0.2	112.0	<0.01	0.01	0.2
M400765		0.07	0.7	360	5.7	0.3	<0.001	0.18	0.43	0.2	0.2	0.2	99.8	<0.01	0.01	<0.2
M400766		0.07	<0.2	260	2.3	0.2	<0.001	0.08	0.20	0.2	0.2	0.3	92.1	<0.01	0.01	<0.2
M400767		0.07	<0.2	150	1.6	<0.1	<0.001	0.19	0.16	<0.1	<0.2	<0.2	75.3	<0.01	<0.01	<0.2
M400768		0.07	<0.2	250	2.6	0.1	<0.001	0.12	0.26	0.1	<0.2	<0.2	81.1	<0.01	<0.01	<0.2
M400769		0.07	<0.2	190	3.1	<0.1	<0.001	0.09	0.25	<0.1	0.3	0.2	75.6	<0.01	0.01	<0.2



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193304**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
M400734		<0.005	0.18	0.29	8	0.35	4.62	16	3.3
M400735		<0.005	0.13	0.46	8	<0.05	5.10	27	5.0
M400736		<0.005	0.14	0.45	6	0.08	4.57	14	4.2
M400737		<0.005	0.13	0.61	10	<0.05	4.47	17	4.5
M400738		<0.005	0.11	0.61	9	<0.05	4.12	16	4.1
M400739		<0.005	0.32	0.19	7	0.08	4.41	14	4.3
M400740		<0.005	0.34	0.27	6	0.17	3.60	19	4.1
M400741		<0.005	0.38	0.26	9	0.19	4.90	17	4.7
M400742		<0.005	0.38	0.22	7	0.45	5.57	19	4.0
M400743		<0.005	0.36	0.33	7	0.11	6.09	14	4.6
M400744		<0.005	0.29	1.48	10	0.09	8.61	12	7.2
M400745		<0.005	0.30	2.24	12	0.05	9.50	6	10.0
M400746		<0.005	<0.02	0.41	1	0.07	0.79	13	<0.5
M400747		<0.005	0.42	1.90	8	<0.05	10.55	8	8.8
M400748		<0.005	0.14	0.91	3	0.06	7.11	6	2.9
M400749		<0.005	6.43	4.17	69	10.95	22.6	274	11.4
M400750		<0.005	0.38	0.78	5	0.12	8.62	16	5.3
M400751		<0.005	0.09	0.44	1	0.34	3.84	62	0.9
M400752		<0.005	0.16	0.67	3	0.10	4.71	950	2.2
M400753		<0.005	0.14	0.64	4	0.10	5.11	63	2.9
M400754		<0.005	<0.02	0.42	1	0.07	0.81	14	<0.5
M400755		<0.005	0.53	1.50	9	0.29	8.14	31	7.5
M400756		<0.005	2.25	1.84	59	2.62	7.25	146	7.3
M400757		<0.005	0.37	1.35	6	0.14	7.01	66	5.7
M400758		<0.005	0.12	0.81	3	0.47	5.21	18	2.7
M400759		<0.005	0.06	0.76	2	0.23	4.02	11	2.0
M400760		<0.005	0.13	0.81	3	1.12	4.93	27	3.4
M400761		<0.005	0.55	0.89	6	0.25	8.09	21	6.1
M400762		<0.005	0.31	1.73	3	0.11	5.20	16	2.9
M400763		<0.005	0.28	1.74	3	0.10	4.99	16	2.6
M400764		<0.005	0.16	2.10	1	0.06	2.45	19	1.0
M400765		<0.005	0.13	1.99	1	0.09	2.04	4	0.7
M400766		<0.005	0.05	1.40	1	0.05	1.75	2	<0.5
M400767		<0.005	0.07	1.17	<1	<0.05	1.23	2	<0.5
M400768		<0.005	0.08	1.33	<1	0.06	1.36	2	<0.5
M400769		<0.005	0.08	1.27	<1	<0.05	1.29	2	<0.5



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193304**

**CERTIFICATE COMMENTS**

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**Account: MTT**

**CERTIFICATE WH12193307**

Project: Crag East  
 P.O. No.:  
 This report is for 5 Rock samples submitted to our lab in Whitehorse, YT, Canada on 17- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
As- OG46	Ore Grade As - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MTT

Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193307**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
N832152		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N832153		0.36	0.007	0.10	1.15	35.9	<0.2	10	270	0.46	0.28	1.19	0.14	54.8	12.7	11
N832154		0.73	0.011	0.67	0.87	16.6	<0.2	<10	100	0.54	0.23	0.86	0.38	17.85	10.5	29
N832155		0.41	0.004	0.21	0.40	>10000	<0.2	<10	1210	0.21	0.10	10.80	0.65	5.42	4.7	13
N832156		0.22	0.003	0.20	1.03	62	<0.2	<10	370	0.41	0.07	19.90	0.76	55.3	7.9	4
N832156		0.33	0.002	0.09	0.59	17.0	<0.2	<10	460	0.48	0.15	2.65	0.35	18.70	6.7	8

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



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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193307**

Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
N832152		2.90	48.3	4.70	3.94	0.09	0.11	0.04	0.040	0.34	27.4	17.2	1.01	479	0.45	0.02
N832153		4.74	116.5	3.71	3.67	0.05	0.40	0.14	0.028	0.21	8.0	23.4	1.02	632	6.72	0.01
N832154		0.85	38.1	4.43	1.36	0.11	0.14	13.90	0.021	0.04	2.9	3.8	4.76	1240	2.39	0.03
N832155		1.87	23.7	4.16	3.59	0.15	0.20	0.35	0.024	0.26	28.5	10.5	0.62	140	3.44	0.01
N832156		2.51	42.6	1.89	2.03	0.07	0.23	0.27	0.018	0.28	10.3	11.0	1.31	773	0.76	0.01

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193307**

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
N832152		0.13	23.0	1090	3.0	14.6	<0.001	1.36	0.26	6.9	1.8	0.4	46.2	<0.01	0.03	4.1
N832153		0.10	29.4	790	7.3	11.5	0.004	2.69	2.17	3.9	2.0	0.4	98.1	<0.01	0.11	2.0
N832154		0.14	12.9	860	7.6	2.4	0.007	0.25	1.16	7.7	2.2	0.2	365	<0.01	0.03	0.9
N832155		0.33	18.2	2500	10.8	11.6	0.002	0.80	0.87	3.8	1.6	0.4	330	0.01	0.01	2.6
N832156		0.08	16.4	230	4.4	12.7	<0.001	0.68	0.23	5.4	0.7	0.2	85.3	<0.01	0.02	2.1

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Project: Crag East

**CERTIFICATE OF ANALYSIS WH12193307**

Sample Description	Method Analyte Units LOR	ME- MS41 Ti %	ME- MS41 Ti ppm	ME- MS41 U ppm	ME- MS41 V ppm	ME- MS41 W ppm	ME- MS41 Y ppm	ME- MS41 Zn ppm	ME- MS41 Zr ppm	As- OG46 As %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.01
N832152		0.008	0.10	0.42	41	<0.05	9.44	86	3.2	
N832153		0.006	0.14	1.56	55	0.06	11.30	62	14.1	
N832154		<0.005	0.24	1.26	122	<0.05	11.35	75	4.7	1.17
N832155		<0.005	0.19	1.79	37	<0.05	14.55	111	7.0	
N832156		<0.005	0.10	0.87	14	<0.05	7.52	41	9.6	

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	<b>CERTIFICATE COMMENTS</b>
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**CERTIFICATE WH12194527**

Project: CRAG EAST  
 P.O. No.: Batch 33  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12194527**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400806		3.90	0.001	0.06	0.05	84	<0.2	<10	40	0.14	0.01	20.0	1.50	2.46	1.6	<1
M400807		5.90	0.004	0.09	0.05	117	<0.2	<10	60	0.14	0.01	21.1	3.15	1.92	2.6	<1
M400808		2.23	0.002	0.12	0.11	112	<0.2	<10	100	0.19	0.01	20.1	4.59	2.04	1.9	<1
M400809		8.12	0.001	0.13	0.08	78	<0.2	<10	70	0.12	0.01	20.8	3.52	1.98	1.9	<1
M400810		8.17	0.001	0.02	0.08	39	<0.2	<10	40	0.12	0.01	21.1	1.48	1.64	1.4	<1
M400811		0.27	3.79	1.49	0.32	656	<0.2	<10	50	0.29	4.27	2.17	1.80	4.46	7.0	20
M400812		4.53	0.003	0.03	0.06	42	<0.2	<10	50	0.10	0.01	20.3	1.44	1.77	1.5	<1
M400813		3.96	0.002	0.04	0.04	21	<0.2	<10	40	0.09	0.01	20.5	0.95	1.41	0.8	<1
M400814		1.51	0.002	0.02	0.04	19	<0.2	<10	40	0.08	0.01	21.2	0.68	1.30	0.8	<1
M400815		8.47	0.002	0.06	0.04	37	<0.2	<10	40	0.08	0.01	19.95	1.85	1.98	1.2	<1
M400816		3.56	0.002	0.43	0.04	164	<0.2	<10	60	0.12	0.02	19.25	6.79	1.99	1.9	<1
M400817		4.60	0.002	0.15	0.05	117	<0.2	<10	50	0.11	0.01	19.30	3.35	1.41	1.8	<1
M400818		3.98	0.001	0.02	0.11	<2	<0.2	<10	30	0.08	0.03	20.6	0.09	1.20	1.0	3
M400819		5.81	0.001	0.10	0.05	74	<0.2	<10	70	0.16	0.01	20.4	6.03	2.17	1.9	<1
M400820		1.81	0.001	0.11	0.02	108	<0.2	<10	10	0.06	0.01	20.9	3.40	0.84	1.4	<1
M400821		8.39	0.001	0.06	0.05	55	<0.2	<10	50	0.11	0.01	20.6	1.62	1.86	2.0	<1
M400822		8.17	0.002	0.09	0.05	37	<0.2	<10	50	0.14	0.01	21.1	3.16	2.31	2.0	<1
M400823		8.21	0.002	0.08	0.05	29	<0.2	<10	30	0.10	0.01	20.5	1.57	2.86	1.8	<1
M400824		8.23	0.002	0.22	0.04	100	<0.2	<10	40	0.09	0.01	20.1	3.67	3.55	2.4	<1
M400825		1.63	0.001	0.14	0.03	53	<0.2	<10	30	0.13	0.01	20.2	2.44	2.57	4.3	<1
M400826		6.42	0.001	0.20	0.03	78	<0.2	<10	30	0.07	0.01	19.95	4.31	2.06	2.2	<1
M400827		8.35	0.001	0.19	0.03	59	<0.2	<10	30	0.07	0.01	20.5	2.95	2.17	1.7	<1
M400828		<0.02	0.001	0.19	0.04	61	<0.2	<10	30	0.07	0.01	20.7	3.41	2.03	1.5	<1
M400829		4.17	0.001	0.07	0.04	39	<0.2	<10	40	0.08	0.01	20.3	1.80	1.28	1.5	<1
M400830		3.75	0.002	0.57	0.34	712	<0.2	10	310	0.47	0.14	12.15	6.41	2.74	10.8	3
M400831		7.76	0.002	0.12	0.19	425	<0.2	10	210	0.28	0.05	17.45	4.11	2.63	7.8	<1
M400832		2.48	0.001	0.25	0.13	239	<0.2	<10	130	0.26	0.04	19.30	4.77	2.72	4.5	<1
M400833		0.27	7.84	0.45	0.40	791	<0.2	10	140	0.42	0.60	12.35	4.04	16.80	5.6	26
M400834		4.94	0.004	0.02	0.63	403	<0.2	20	40	0.93	0.37	4.41	0.12	3.01	16.9	7
M400835		3.58	<0.001	0.02	0.53	149	<0.2	20	30	0.59	0.22	10.70	0.61	3.43	9.6	4
M400836		4.66	0.001	0.01	0.03	<2	<0.2	<10	20	<0.05	0.03	20.9	0.06	0.83	0.7	<1
M400837		4.19	0.003	0.02	0.04	33	<0.2	<10	90	0.11	0.01	19.70	0.74	0.94	1.4	<1
M400838		8.24	<0.001	0.02	0.02	29	<0.2	<10	20	0.16	<0.01	20.3	1.49	1.71	1.0	<1
M400839		8.12	0.001	0.04	0.02	35	<0.2	<10	10	0.12	0.01	20.8	0.98	1.40	1.2	<1
M400840		5.53	0.001	0.05	0.02	45	<0.2	<10	10	0.12	<0.01	19.40	0.90	0.95	1.0	<1
M400841		2.57	0.001	0.02	0.01	41	<0.2	<10	10	0.07	<0.01	18.95	0.04	0.52	0.9	<1



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**CERTIFICATE OF ANALYSIS WH12194527**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400806		0.14	1.8	0.81	0.18	<0.05	0.02	3.94	<0.005	0.01	1.7	0.8	12.00	864	0.08	0.02
M400807		0.11	2.3	1.02	0.19	<0.05	0.02	7.04	<0.005	0.02	1.3	0.7	12.05	1000	0.13	0.02
M400808		0.08	2.1	0.92	0.20	<0.05	0.02	7.14	<0.005	0.01	1.4	0.8	11.80	1080	0.12	0.02
M400809		0.07	1.6	0.75	0.18	<0.05	0.02	6.32	<0.005	0.01	1.3	0.6	12.30	1180	0.12	0.02
M400810		0.05	1.3	0.66	0.14	<0.05	<0.02	2.93	<0.005	0.01	1.1	0.7	12.15	1020	0.07	0.02
M400811		1.55	70.4	2.93	1.03	<0.05	0.21	5.39	0.142	0.19	2.3	1.7	0.91	312	23.4	<0.01
M400812		0.08	1.9	0.81	0.16	<0.05	0.02	3.53	<0.005	0.01	1.2	0.6	12.20	1290	0.08	0.02
M400813		0.07	1.3	0.52	0.13	<0.05	0.02	2.16	<0.005	0.01	0.8	0.7	12.15	820	0.06	0.02
M400814		0.06	1.9	0.50	0.12	<0.05	0.02	1.82	<0.005	0.01	0.8	0.6	12.30	770	<0.05	0.02
M400815		0.08	1.9	0.80	0.20	<0.05	0.02	5.97	<0.005	0.01	1.1	0.7	11.95	1160	0.05	0.02
M400816		0.08	2.7	0.98	0.24	<0.05	0.03	13.35	<0.005	0.01	1.4	0.7	11.35	1440	0.09	0.02
M400817		0.06	1.7	0.85	0.13	<0.05	<0.02	4.79	<0.005	0.01	0.9	0.6	11.60	1320	0.09	0.02
M400818		0.86	1.4	0.48	0.27	<0.05	<0.02	0.04	<0.005	0.08	0.6	2.3	12.15	223	0.09	0.01
M400819		0.08	2.0	1.20	0.26	<0.05	<0.02	14.10	<0.005	0.01	1.5	0.5	11.80	1700	0.07	0.02
M400820		<0.05	1.2	0.74	0.11	<0.05	<0.02	4.84	<0.005	<0.01	0.6	0.6	12.05	1400	0.07	0.02
M400821		0.14	1.4	0.91	0.17	<0.05	0.02	4.21	<0.005	0.01	1.2	0.6	11.75	1540	0.06	0.02
M400822		0.15	1.6	1.16	0.20	<0.05	0.02	5.96	<0.005	0.01	1.6	0.6	12.00	1440	0.06	0.02
M400823		0.11	2.0	1.29	0.19	<0.05	0.02	3.61	<0.005	0.01	1.8	0.5	11.90	1450	0.05	0.02
M400824		0.14	2.3	1.67	0.26	<0.05	<0.02	7.79	<0.005	0.01	2.1	0.5	11.55	1630	0.08	0.01
M400825		0.13	1.8	2.30	0.18	<0.05	<0.02	3.37	<0.005	0.01	1.5	0.5	11.40	2180	0.07	0.01
M400826		0.08	1.5	1.40	0.19	<0.05	<0.02	5.74	<0.005	0.01	1.2	0.5	11.55	1440	0.05	0.02
M400827		0.09	2.2	1.07	0.19	<0.05	<0.02	5.15	<0.005	0.01	1.3	0.5	11.95	1080	0.05	0.02
M400828		0.09	1.8	1.01	0.21	<0.05	<0.02	5.26	<0.005	0.01	1.2	0.6	11.75	1040	0.08	0.02
M400829		0.10	2.1	0.74	0.14	<0.05	<0.02	2.41	<0.005	0.01	0.8	0.6	12.15	900	0.07	0.02
M400830		4.23	8.3	2.38	1.18	<0.05	0.08	11.50	0.010	0.17	1.6	1.7	6.85	1300	0.26	0.01
M400831		1.24	3.7	2.62	0.63	<0.05	0.06	10.20	0.006	0.08	1.6	1.0	9.76	1940	0.21	0.01
M400832		1.11	3.1	1.87	0.54	<0.05	0.04	8.68	0.008	0.05	2.0	1.1	10.85	1520	0.22	0.02
M400833		2.23	31.0	1.35	1.13	0.05	0.37	5.65	0.055	0.20	8.7	1.0	0.57	280	11.20	<0.01
M400834		18.60	70.3	3.39	1.88	<0.05	0.07	6.00	0.031	0.34	1.2	2.4	2.45	524	0.64	0.01
M400835		15.70	7.5	2.76	1.52	<0.05	0.06	5.70	0.015	0.27	1.7	2.3	6.04	635	0.29	0.02
M400836		0.27	1.9	0.49	0.10	<0.05	<0.02	0.01	<0.005	0.02	0.4	0.8	12.60	218	0.07	0.01
M400837		0.26	1.5	0.76	0.19	<0.05	<0.02	3.01	<0.005	0.01	0.6	0.6	11.80	751	0.07	0.02
M400838		<0.05	1.1	0.97	0.18	<0.05	<0.02	3.37	<0.005	<0.01	1.2	0.6	12.10	979	0.07	0.02
M400839		<0.05	1.3	0.79	0.08	<0.05	<0.02	1.23	<0.005	<0.01	0.9	0.6	12.45	913	0.06	0.03
M400840		<0.05	1.2	0.73	0.08	<0.05	<0.02	1.11	<0.005	<0.01	0.6	0.5	11.10	856	0.06	0.02
M400841		<0.05	0.9	0.52	0.05	<0.05	<0.02	0.38	<0.005	<0.01	0.3	0.5	10.95	643	0.05	0.02

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



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**CERTIFICATE OF ANALYSIS WH12194527**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M400806		<0.05	4.8	300	44.7	0.5	<0.001	0.04	23.1	1.4	0.5	<0.2	108.5	<0.01	0.03	0.2
M400807		<0.05	10.6	260	33.2	0.4	<0.001	0.03	29.4	1.7	0.5	0.2	139.5	<0.01	0.01	<0.2
M400808		<0.05	8.9	340	46.7	0.4	<0.001	0.05	77.2	2.0	0.4	<0.2	188.5	<0.01	0.02	<0.2
M400809		<0.05	7.3	350	93.5	0.3	<0.001	0.03	93.8	1.7	0.5	0.2	112.0	<0.01	0.02	0.2
M400810		<0.05	5.2	320	31.4	0.2	<0.001	0.02	48.0	1.2	0.4	<0.2	85.3	<0.01	0.02	<0.2
M400811		<0.05	70.4	870	20.0	12.3	0.039	1.96	9.71	3.1	6.0	2.0	33.0	<0.01	0.74	1.8
M400812		<0.05	5.1	280	45.3	0.3	<0.001	0.07	44.8	1.6	0.4	<0.2	85.7	<0.01	0.03	<0.2
M400813		<0.05	2.7	320	26.6	0.3	<0.001	0.10	38.1	1.0	0.3	0.2	112.0	<0.01	0.03	<0.2
M400814		<0.05	2.2	330	27.7	0.3	<0.001	0.10	32.5	1.0	0.4	0.2	107.0	<0.01	0.03	<0.2
M400815		<0.05	3.4	350	32.7	0.3	0.001	0.28	35.2	1.5	0.8	0.2	106.0	<0.01	0.02	<0.2
M400816		<0.05	6.4	240	649	0.4	<0.001	0.47	534	1.5	0.6	0.2	164.0	<0.01	0.03	0.2
M400817		<0.05	7.4	240	353	0.2	0.001	0.17	179.0	1.4	0.2	0.2	140.0	<0.01	0.02	<0.2
M400818		<0.05	3.6	180	5.2	5.0	<0.001	<0.01	2.99	0.5	0.2	<0.2	46.9	<0.01	0.02	<0.2
M400819		<0.05	6.4	370	121.0	0.3	<0.001	0.30	87.0	1.1	0.7	0.2	155.0	<0.01	0.02	<0.2
M400820		<0.05	4.2	110	227	0.2	<0.001	0.12	185.0	1.1	0.3	<0.2	127.0	<0.01	0.02	<0.2
M400821		<0.05	8.5	330	40.3	0.4	<0.001	0.20	32.0	1.2	0.6	<0.2	142.0	<0.01	<0.01	<0.2
M400822		<0.05	7.0	360	77.6	0.4	<0.001	0.26	48.3	1.1	0.8	<0.2	92.8	<0.01	<0.01	0.2
M400823		<0.05	6.8	320	50.1	0.2	<0.001	0.17	22.9	0.9	0.8	<0.2	59.0	<0.01	<0.01	<0.2
M400824		<0.05	8.3	400	238	0.3	<0.001	0.48	120.5	1.1	0.9	0.2	71.3	<0.01	0.01	<0.2
M400825		<0.05	16.7	330	90.9	0.2	<0.001	0.14	62.4	1.0	0.6	<0.2	56.7	<0.01	<0.01	<0.2
M400826		<0.05	8.8	290	198.0	0.2	<0.001	0.28	128.5	1.0	0.6	0.2	65.5	<0.01	<0.01	<0.2
M400827		<0.05	5.5	330	144.0	0.2	<0.001	0.31	89.5	1.1	0.6	0.2	70.0	<0.01	<0.01	<0.2
M400828		<0.05	5.1	320	142.5	0.3	<0.001	0.29	96.7	1.0	0.5	0.2	71.5	<0.01	<0.01	<0.2
M400829		<0.05	5.6	230	33.6	0.3	<0.001	0.22	40.8	1.1	0.3	0.2	103.0	<0.01	<0.01	<0.2
M400830		<0.05	26.5	160	523	6.9	<0.001	1.40	538	2.9	0.5	1.2	128.0	<0.01	0.02	0.6
M400831		<0.05	25.1	200	318	3.0	0.001	0.83	384	2.3	0.8	0.4	172.5	<0.01	<0.01	0.4
M400832		<0.05	15.6	300	174.0	2.2	0.001	0.57	302	2.2	0.9	0.3	160.5	<0.01	0.01	0.3
M400833		<0.05	59.4	4210	5.0	13.7	0.034	1.28	6.45	5.1	8.0	0.8	130.5	<0.01	0.53	3.7
M400834		<0.05	35.0	140	14.1	14.1	<0.001	3.24	31.9	5.9	0.5	0.8	60.9	<0.01	0.04	1.5
M400835		<0.05	23.3	260	15.6	11.6	<0.001	2.37	17.20	3.2	1.0	0.6	95.4	<0.01	0.03	0.9
M400836		<0.05	1.5	170	1.7	1.1	<0.001	<0.01	0.30	0.3	<0.2	<0.2	40.9	<0.01	<0.01	<0.2
M400837		<0.05	4.8	150	7.9	0.5	<0.001	0.18	17.85	1.6	0.3	0.2	105.5	<0.01	0.01	<0.2
M400838		<0.05	3.5	340	12.7	0.1	0.001	0.37	7.78	1.4	0.7	<0.2	102.5	<0.01	<0.01	<0.2
M400839		<0.05	4.5	420	47.3	0.1	<0.001	0.21	31.5	1.3	0.6	<0.2	103.0	<0.01	0.01	<0.2
M400840		<0.05	3.5	290	57.3	0.1	<0.001	0.19	53.9	1.5	0.4	<0.2	90.2	<0.01	<0.01	<0.2
M400841		<0.05	3.2	150	6.3	0.1	<0.001	0.11	41.0	1.7	0.4	<0.2	83.2	<0.01	<0.01	<0.2



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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
M400806		<0.005	1.02	1.24	3	<0.05	3.60	669	0.8
M400807		<0.005	1.78	1.41	7	0.08	4.24	1260	0.6
M400808		<0.005	2.37	1.77	12	0.06	3.97	1340	0.6
M400809		<0.005	2.15	1.64	12	0.06	3.99	1360	0.6
M400810		<0.005	1.10	1.33	7	0.05	3.83	808	<0.5
M400811		<0.005	2.27	1.85	60	2.47	6.78	147	6.7
M400812		<0.005	0.88	1.30	7	<0.05	3.81	548	0.6
M400813		<0.005	0.42	1.19	3	0.05	2.94	294	0.5
M400814		<0.005	0.41	1.22	2	0.06	2.85	223	0.5
M400815		<0.005	0.82	1.25	3	0.06	3.88	579	0.5
M400816		<0.005	4.36	1.55	5	0.12	3.48	1520	0.9
M400817		<0.005	1.83	1.06	8	0.10	3.18	887	<0.5
M400818		<0.005	0.07	0.44	3	<0.05	0.83	22	<0.5
M400819		<0.005	2.27	1.15	4	0.05	3.82	2450	0.5
M400820		<0.005	3.22	0.81	3	<0.05	2.39	925	<0.5
M400821		<0.005	1.44	1.26	4	0.05	4.57	519	0.5
M400822		<0.005	1.20	1.49	3	0.05	4.66	932	0.5
M400823		<0.005	0.72	1.21	2	0.06	4.65	584	0.5
M400824		<0.005	1.99	1.26	3	0.05	6.09	1330	0.5
M400825		<0.005	2.35	0.94	3	0.07	6.10	1160	<0.5
M400826		<0.005	2.30	1.14	2	<0.05	4.04	1340	<0.5
M400827		<0.005	1.23	1.28	2	<0.05	4.04	749	<0.5
M400828		<0.005	1.19	1.21	2	<0.05	3.84	817	<0.5
M400829		<0.005	0.71	1.04	2	0.05	3.33	503	<0.5
M400830		<0.005	5.49	1.03	10	0.52	4.15	1960	2.3
M400831		<0.005	3.33	1.38	10	0.29	6.70	1880	1.7
M400832		<0.005	4.12	1.64	6	0.19	5.10	2930	1.2
M400833		<0.005	6.62	4.05	72	10.25	23.6	277	11.1
M400834		<0.005	3.39	1.27	15	0.84	7.12	349	2.7
M400835		<0.005	1.39	1.39	11	0.52	4.78	742	1.7
M400836		<0.005	<0.02	0.49	1	<0.05	0.77	14	<0.5
M400837		<0.005	0.49	0.95	3	<0.05	3.75	472	<0.5
M400838		<0.005	0.38	1.31	2	<0.05	4.58	856	<0.5
M400839		<0.005	0.84	1.32	2	<0.05	4.26	406	<0.5
M400840		<0.005	0.75	1.02	2	<0.05	3.22	265	<0.5
M400841		<0.005	0.38	0.90	3	0.05	2.73	88	<0.5



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To: STRATEGIC METALS LTD.  
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Project: CRAG EAST

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Account: MTT

**CERTIFICATE OF ANALYSIS WH12194527**

**CERTIFICATE COMMENTS**

Applies to Method:



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12194528**

Project: CRAG EAST  
 P.O. No.: Batch 34  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12194528**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N832372		8.78	0.001	0.28	0.11	220	<0.2	<10	20	0.13	0.03	20.3	1.62	3.75	1.4	<1
N832373		9.20	0.002	0.28	0.09	122	<0.2	<10	40	0.12	0.02	20.1	0.85	4.07	1.0	<1
N832374		8.37	0.001	0.39	0.09	142	<0.2	<10	40	0.12	0.02	20.3	1.83	3.90	1.0	<1
N832375		8.79	0.004	0.14	0.06	90	<0.2	<10	30	0.11	0.01	20.0	0.80	2.53	0.7	<1
N832376		9.71	0.001	0.06	0.06	39	<0.2	<10	30	0.14	0.01	20.6	0.27	3.23	0.5	<1
N832377		0.26	3.88	1.50	0.31	640	<0.2	<10	70	0.32	4.06	2.05	2.03	4.52	7.5	19
N832378		9.68	0.005	0.09	0.12	78	<0.2	<10	50	0.17	0.04	19.20	0.53	4.36	0.9	<1
N832379		9.43	0.001	0.05	0.14	112	<0.2	<10	30	0.14	0.03	18.90	0.50	4.98	1.1	1
N832380		9.42	0.001	0.04	0.09	75	<0.2	<10	30	0.15	0.02	20.0	0.74	4.10	0.6	<1
N832381		9.25	0.001	0.05	0.07	71	<0.2	<10	30	0.18	0.02	20.5	1.52	3.19	0.4	<1
N832382		3.01	0.001	0.14	0.08	195	<0.2	<10	40	0.15	0.02	19.75	1.64	3.88	0.6	<1
N832383		1.46	0.001	0.13	0.08	181	<0.2	<10	40	0.16	0.01	20.1	1.73	3.85	0.5	<1
N832384		1.54	0.002	0.77	0.09	471	<0.2	<10	90	0.21	0.02	20.5	3.96	3.38	0.7	<1
N832385		<0.02	0.002	0.79	0.09	470	<0.2	<10	90	0.20	0.02	20.4	4.10	3.44	0.7	<1
N832386		4.43	0.002	0.05	0.08	158	<0.2	<10	50	0.16	0.01	20.1	1.40	3.62	0.4	<1
N832387		9.54	0.001	0.68	0.10	178	<0.2	<10	70	0.18	0.01	20.6	5.09	4.04	0.7	<1
N832388		9.54	0.001	0.38	0.13	203	<0.2	<10	90	0.16	0.02	18.60	3.49	4.48	1.5	1
N832389		3.72	0.001	0.28	0.05	<2	<0.2	<10	20	<0.05	0.02	20.7	0.08	1.77	1.0	<1
N832390		0.26	0.086	63.0	0.91	2510	<0.2	<10	80	0.33	3.92	6.14	129.5	14.20	12.6	32
N832391		8.93	0.001	0.32	0.13	255	<0.2	<10	80	0.18	0.02	20.3	3.21	5.01	0.9	<1
N832392		2.27	0.002	0.14	0.13	183	<0.2	<10	70	0.19	0.02	20.3	0.85	4.63	0.8	<1
N832393		6.84	0.001	0.19	0.08	278	<0.2	<10	50	0.17	0.02	20.1	1.35	4.16	1.1	<1
N832394		8.80	0.001	0.35	0.07	437	<0.2	<10	50	0.19	0.02	20.6	2.76	2.60	0.4	<1
N832395		8.68	0.001	0.64	0.05	436	<0.2	<10	40	0.17	0.01	20.4	2.91	2.01	0.3	<1
N832396		2.97	0.002	0.03	0.04	2	<0.2	<10	150	<0.05	0.03	20.8	0.09	0.99	0.7	<1
N832397		9.17	0.002	3.75	0.04	624	<0.2	<10	30	0.18	0.01	20.4	6.11	2.02	0.3	<1
N832398		3.34	0.002	6.19	0.06	601	<0.2	<10	60	0.20	0.01	20.7	12.80	2.33	0.2	<1
N832399		7.28	0.001	0.97	0.04	289	<0.2	<10	20	0.15	0.01	20.8	4.28	2.11	0.2	<1
N832400		7.81	0.001	0.35	0.04	183	<0.2	<10	20	0.17	0.01	20.5	2.35	1.63	0.3	<1
N832401		9.53	0.001	0.16	0.05	125	<0.2	<10	20	0.13	0.01	20.8	1.02	2.46	0.3	<1
N832402		9.13	0.001	0.10	0.03	95	<0.2	<10	10	0.09	0.01	20.4	0.85	1.63	0.2	<1
N832403		8.85	0.001	0.19	0.05	110	<0.2	<10	20	0.17	0.01	21.2	1.62	2.86	0.3	<1
N832404		9.24	0.001	0.27	0.02	53	<0.2	<10	10	0.09	0.02	19.85	0.90	1.46	0.2	<1
N832405		8.83	0.001	0.16	0.02	35	<0.2	<10	10	0.05	0.51	19.05	0.76	1.69	0.8	<1
N832406		8.87	0.001	0.27	0.05	64	<0.2	<10	30	0.08	0.19	20.4	1.63	3.01	1.0	<1
N832407		9.19	0.001	0.11	0.06	38	<0.2	<10	30	0.08	0.05	20.7	0.51	3.97	1.5	<1

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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12194528**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N832372		0.44	3.0	1.55	0.28	<0.05	0.03	1.10	<0.005	0.03	1.9	1.2	11.20	1660	0.19	0.02
N832373		0.45	2.8	1.04	0.24	<0.05	0.03	1.23	<0.005	0.02	1.9	0.8	11.15	1390	0.21	0.02
N832374		0.59	3.1	0.93	0.23	<0.05	0.04	3.84	<0.005	0.03	1.8	0.8	11.25	1240	0.16	0.02
N832375		0.37	2.1	0.28	0.17	<0.05	0.03	1.16	<0.005	0.02	1.2	0.7	11.50	726	0.13	0.02
N832376		0.46	2.4	0.37	0.16	<0.05	0.03	0.62	<0.005	0.02	1.7	0.7	11.85	756	0.13	0.02
N832377		1.74	73.5	2.77	1.22	<0.05	0.21	5.28	0.148	0.18	2.3	1.7	0.83	300	26.3	0.01
N832378		2.14	4.2	0.45	0.38	<0.05	0.07	1.45	<0.005	0.05	2.1	2.0	10.95	704	0.29	0.02
N832379		2.30	4.2	0.77	0.41	<0.05	0.08	2.60	<0.005	0.05	2.4	3.2	10.70	548	0.26	0.02
N832380		0.88	2.8	0.55	0.27	<0.05	0.05	1.68	<0.005	0.03	2.2	1.2	11.45	815	0.13	0.02
N832381		0.52	2.2	0.65	0.31	<0.05	0.04	3.62	<0.005	0.02	1.6	0.7	11.65	1090	0.13	0.02
N832382		0.62	3.4	0.70	0.25	<0.05	0.05	4.68	<0.005	0.02	1.8	2.0	11.15	1040	0.19	0.02
N832383		0.54	3.7	0.68	0.25	<0.05	0.04	4.51	<0.005	0.02	1.8	1.5	11.35	1050	0.15	0.02
N832384		0.40	5.3	1.18	0.23	<0.05	0.04	12.20	<0.005	0.02	1.6	1.0	11.35	1200	0.21	0.01
N832385		0.40	5.7	1.19	0.24	<0.05	0.04	12.05	<0.005	0.02	1.6	1.0	11.30	1190	0.21	0.02
N832386		0.43	3.1	0.53	0.21	<0.05	0.05	4.44	<0.005	0.02	1.9	1.2	11.30	864	0.17	0.02
N832387		0.56	2.8	0.63	0.33	<0.05	0.05	6.48	<0.005	0.03	1.9	1.1	11.50	1570	0.15	0.02
N832388		1.85	5.0	1.25	0.38	<0.05	0.07	3.01	<0.005	0.04	2.0	1.2	10.40	1280	0.21	0.02
N832389		0.55	3.7	0.49	0.19	<0.05	<0.02	0.03	<0.005	0.04	0.9	1.5	11.95	230	0.33	0.01
N832390		0.97	1070	3.26	3.52	0.05	0.20	2.87	0.062	0.11	7.1	8.7	0.46	2760	4.77	0.05
N832391		1.33	5.2	1.27	0.44	<0.05	0.06	2.42	<0.005	0.04	2.4	1.6	11.05	1450	0.22	0.02
N832392		1.31	3.7	0.63	0.27	<0.05	0.06	1.37	<0.005	0.04	2.2	2.2	11.20	1060	0.22	0.02
N832393		0.56	5.2	1.34	0.25	<0.05	0.04	3.23	<0.005	0.02	2.1	1.4	11.00	1540	0.22	0.02
N832394		0.20	5.4	0.64	0.19	<0.05	0.02	3.39	<0.005	0.02	1.4	1.1	11.50	1790	0.17	0.02
N832395		0.15	4.4	0.69	0.14	<0.05	0.02	3.34	<0.005	0.01	0.9	1.0	11.55	1450	0.20	0.02
N832396		0.18	3.4	0.47	0.13	<0.05	<0.02	0.04	<0.005	0.02	0.5	1.1	12.00	211	0.15	0.01
N832397		0.12	3.6	0.76	0.19	<0.05	0.02	9.83	<0.005	0.01	1.0	0.8	11.40	2090	0.14	0.02
N832398		0.22	2.5	0.91	0.69	<0.05	0.02	38.0	<0.005	0.01	1.2	1.1	11.45	2920	0.17	0.02
N832399		0.16	2.0	0.61	0.13	<0.05	<0.02	3.30	<0.005	0.01	1.1	0.7	11.75	1480	0.15	0.02
N832400		0.08	1.9	0.37	0.10	<0.05	<0.02	1.46	<0.005	0.01	0.8	0.6	11.50	1700	0.12	0.02
N832401		0.24	2.7	0.34	0.13	<0.05	0.02	0.55	<0.005	0.01	1.4	0.6	11.85	865	0.15	0.02
N832402		0.10	1.8	0.28	0.07	<0.05	<0.02	0.42	<0.005	0.01	0.8	0.6	11.70	678	0.12	0.02
N832403		0.18	2.2	0.31	0.14	<0.05	0.03	0.69	<0.005	0.01	1.4	0.8	12.00	824	0.14	0.03
N832404		0.08	1.5	0.29	0.07	<0.05	<0.02	0.37	<0.005	<0.01	0.7	0.4	11.95	841	<0.05	0.02
N832405		0.16	2.2	0.32	0.18	0.12	<0.02	0.20	<0.005	0.01	0.8	0.4	11.20	810	0.08	0.02
N832406		0.21	2.3	0.57	0.30	0.11	0.03	0.92	<0.005	0.01	1.8	0.5	11.65	1670	0.09	0.01
N832407		0.32	2.6	0.75	0.27	0.11	0.03	0.93	<0.005	0.02	2.5	0.6	11.80	862	0.09	0.02

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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12194528**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N832372		<0.05	4.3	210	22.9	1.3	<0.001	0.01	60.0	0.7	0.2	0.3	67.1	<0.01	0.01	0.5
N832373		<0.05	3.5	250	37.2	1.0	<0.001	0.02	41.7	1.5	<0.2	0.2	92.1	<0.01	0.01	0.6
N832374		<0.05	3.7	270	77.2	1.2	<0.001	0.02	35.1	1.8	<0.2	0.2	98.4	<0.01	0.02	0.6
N832375		<0.05	1.8	180	41.0	0.9	<0.001	0.01	23.5	0.4	<0.2	<0.2	91.2	<0.01	0.02	0.4
N832376		<0.05	2.2	220	12.5	0.8	<0.001	0.02	11.65	0.5	0.4	<0.2	91.7	<0.01	<0.01	0.4
N832377		<0.05	74.0	830	20.7	14.0	0.038	1.93	11.40	3.3	6.9	2.2	33.1	<0.01	0.77	1.9
N832378		<0.05	4.9	500	34.1	2.3	<0.001	0.03	23.5	0.9	<0.2	0.2	115.5	<0.01	0.02	1.1
N832379		0.05	5.0	650	27.4	2.3	<0.001	0.08	15.35	0.9	<0.2	0.2	91.4	<0.01	0.01	1.2
N832380		<0.05	2.8	370	12.9	1.4	0.001	0.05	11.20	0.7	<0.2	<0.2	101.0	<0.01	0.03	0.7
N832381		<0.05	1.5	270	12.6	1.0	<0.001	0.03	14.25	0.5	0.5	<0.2	106.0	<0.01	<0.01	0.4
N832382		<0.05	2.9	380	38.5	1.2	<0.001	0.02	35.1	0.8	0.4	0.2	143.5	<0.01	0.02	0.6
N832383		<0.05	2.4	440	37.6	1.2	<0.001	0.02	38.0	0.8	0.4	0.3	149.0	<0.01	<0.01	0.5
N832384		<0.05	2.7	280	146.0	1.1	<0.001	0.01	123.0	0.9	0.3	0.6	241	<0.01	0.03	0.4
N832385		<0.05	2.9	280	151.5	1.1	<0.001	0.01	124.5	1.0	0.4	0.7	236	<0.01	0.01	0.4
N832386		<0.05	2.3	450	21.7	1.1	<0.001	0.01	28.5	0.8	<0.2	0.2	180.0	<0.01	<0.01	0.6
N832387		<0.05	3.6	360	104.5	1.5	<0.001	0.03	48.2	0.9	<0.2	0.2	192.0	<0.01	0.02	0.6
N832388		<0.05	6.8	320	96.0	2.1	<0.001	0.07	44.7	1.2	0.5	0.3	133.0	<0.01	0.02	0.9
N832389		<0.05	5.0	170	3.3	3.1	<0.001	<0.01	0.26	0.4	<0.2	<0.2	39.7	<0.01	0.01	0.2
N832390		0.21	26.1	620	>10000	6.8	0.004	2.64	49.3	3.5	2.3	1.9	279	<0.01	0.18	2.1
N832391		<0.05	6.2	310	86.1	1.8	<0.001	0.02	74.5	1.1	0.7	0.2	180.0	<0.01	0.01	0.8
N832392		<0.05	3.9	310	22.3	1.7	<0.001	0.02	70.2	1.0	0.3	0.2	167.0	<0.01	0.01	0.7
N832393		<0.05	5.0	270	26.9	1.0	<0.001	0.05	50.5	0.9	<0.2	0.3	159.0	<0.01	0.03	0.6
N832394		<0.05	2.2	280	134.0	0.7	<0.001	0.01	179.5	0.9	0.2	1.0	143.5	<0.01	<0.01	0.2
N832395		<0.05	1.2	310	176.0	0.5	<0.001	0.02	209	0.7	0.3	0.7	128.0	<0.01	0.01	0.2
N832396		<0.05	2.5	180	3.5	1.4	<0.001	0.02	2.23	0.3	<0.2	<0.2	39.6	<0.01	<0.01	<0.2
N832397		<0.05	0.8	200	674	0.4	<0.001	0.03	279	0.7	<0.2	0.5	126.5	<0.01	0.02	<0.2
N832398		<0.05	0.6	240	1080	0.4	<0.001	0.01	383	0.6	0.2	0.2	135.0	<0.01	<0.01	0.2
N832399		<0.05	0.7	220	240	0.4	<0.001	0.02	129.0	0.6	<0.2	<0.2	85.5	<0.01	0.01	<0.2
N832400		<0.05	0.5	220	106.5	0.3	<0.001	0.02	66.6	0.5	0.3	<0.2	91.0	<0.01	0.02	<0.2
N832401		<0.05	0.8	230	55.7	0.7	<0.001	0.02	48.5	0.5	<0.2	0.2	79.4	<0.01	0.01	0.3
N832402		<0.05	0.6	310	43.9	0.3	<0.001	0.01	34.2	0.4	0.2	<0.2	72.3	<0.01	0.02	0.2
N832403		<0.05	0.8	940	65.9	0.6	<0.001	0.03	37.7	0.5	<0.2	<0.2	96.8	<0.01	0.01	0.3
N832404		<0.05	0.3	150	49.2	0.2	<0.001	0.03	20.7	0.4	<0.2	0.2	74.9	<0.01	0.02	0.2
N832405		0.09	2.4	180	47.2	0.2	<0.001	0.05	9.60	0.5	0.3	0.3	71.3	<0.01	0.03	0.2
N832406		0.12	3.7	250	58.2	0.6	<0.001	0.07	16.35	0.9	0.3	0.2	92.2	<0.01	0.02	0.3
N832407		0.15	4.4	230	23.4	0.8	0.001	0.12	7.91	1.1	0.5	<0.2	93.5	<0.01	0.01	0.4

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



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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12194528**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
N832372		<0.005	2.34	1.33	3	0.15	4.59	360	1.5		
N832373		<0.005	1.57	1.51	3	0.10	5.87	341	1.3		
N832374		<0.005	1.22	1.30	4	0.14	6.30	298	1.4		
N832375		<0.005	1.71	1.14	1	0.07	3.00	114	0.9		
N832376		<0.005	0.49	1.18	2	0.06	3.49	118	1.1		
N832377		<0.005	2.15	1.92	59	2.55	7.30	144	7.7		
N832378		<0.005	0.41	1.79	3	0.13	5.08	219	2.0		
N832379		<0.005	1.00	2.41	3	0.15	5.76	299	2.8		
N832380		<0.005	0.41	1.77	2	0.11	4.15	213	1.6		
N832381		<0.005	0.19	1.23	2	0.10	4.06	305	1.1		
N832382		<0.005	0.20	1.84	2	0.08	5.57	327	1.7		
N832383		<0.005	0.19	1.74	2	0.10	6.04	293	1.7		
N832384		<0.005	0.24	1.14	3	0.11	7.66	582	1.5		
N832385		<0.005	0.23	1.10	3	0.11	7.70	579	1.5		
N832386		<0.005	0.18	1.31	2	0.10	4.87	258	1.4		
N832387		<0.005	0.75	1.48	3	0.10	5.91	631	1.7		
N832388		<0.005	0.31	1.07	4	0.12	6.01	624	2.0		
N832389		<0.005	<0.02	0.69	2	0.08	0.99	14	<0.5		
N832390		0.052	0.13	0.78	31	5.83	7.00	>10000	5.3	1.910	1.945
N832391		<0.005	0.19	1.16	4	0.12	5.62	562	1.9		
N832392		<0.005	0.21	1.54	3	0.10	6.11	383	1.9		
N832393		<0.005	0.20	1.13	3	0.09	6.42	519	1.4		
N832394		<0.005	0.17	1.34	2	0.11	5.71	419	0.9		
N832395		<0.005	0.11	1.51	2	0.09	4.93	325	1.0		
N832396		<0.005	<0.02	0.48	1	0.07	0.83	15	<0.5		
N832397		<0.005	0.43	1.43	2	0.08	6.00	492	0.9		
N832398		<0.005	0.29	1.65	2	0.18	4.43	990	1.4		
N832399		<0.005	0.07	0.99	1	0.09	4.97	263	1.0		
N832400		<0.005	0.04	0.90	2	0.07	4.43	203	0.8		
N832401		<0.005	0.10	1.09	2	0.06	4.09	157	0.9		
N832402		<0.005	0.04	1.48	1	0.07	4.01	76	0.8		
N832403		<0.005	0.05	1.97	2	0.07	4.82	106	1.3		
N832404		<0.005	0.08	0.98	2	0.09	2.85	75	0.7		
N832405		<0.005	0.21	1.27	1	<0.05	2.99	90	0.5		
N832406		<0.005	0.30	1.33	3	<0.05	5.46	272	0.9		
N832407		<0.005	0.59	1.45	3	<0.05	5.99	174	1.0		



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Project: CRAG EAST

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**CERTIFICATE OF ANALYSIS WH12194528**

**CERTIFICATE COMMENTS**

Applies to Method:



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12194529**

Project: CRAG EAST  
 P.O. No.: Batch 36  
 This report is for 34 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12194529**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N832408		8.90	0.001	0.03	0.11	33	<0.2	<10	40	0.14	0.03	20.2	0.31	7.54	1.4	<1
N832409		9.89	0.001	0.03	0.22	27	<0.2	10	30	0.24	0.06	19.75	0.10	6.22	1.6	1
N832410		9.78	0.001	0.03	0.21	23	<0.2	10	40	0.21	0.05	19.75	<0.01	7.02	3.1	<1
N832411		2.31	0.001	0.03	0.14	104	<0.2	<10	40	0.17	0.04	19.85	0.24	6.83	2.4	<1
N832412		0.27	7.79	0.42	0.43	792	<0.2	10	140	0.42	0.61	12.45	3.99	16.40	5.6	26
N832413		6.80	0.003	0.12	0.14	39	<0.2	<10	30	0.18	0.04	20.2	0.55	5.77	1.1	<1
N832414		10.26	0.001	3.86	0.11	103	<0.2	<10	20	0.12	0.03	21.0	7.49	4.77	1.1	<1
N832415		9.74	0.001	2.12	0.14	110	<0.2	<10	20	0.14	0.04	20.5	6.36	6.03	2.3	<1
N832416		<0.02	0.001	2.10	0.14	104	<0.2	<10	20	0.16	0.04	20.3	6.17	6.65	2.4	<1
N832417		9.65	<0.001	0.79	0.09	65	<0.2	<10	20	0.11	0.02	20.3	3.17	5.11	1.4	<1
N832418		9.48	0.003	1.71	0.12	73	<0.2	<10	30	0.16	0.03	20.3	5.66	5.07	2.1	<1
N832419		9.46	0.001	4.27	0.08	130	<0.2	<10	30	0.11	0.02	20.7	14.85	4.57	1.1	<1
N832420		9.79	0.001	3.88	0.10	109	<0.2	<10	40	0.13	0.02	21.0	8.05	4.61	1.4	<1
N832421		9.36	0.001	0.65	0.08	32	<0.2	<10	30	0.09	0.02	20.9	1.40	6.21	1.0	<1
N832422		4.84	0.001	0.69	0.08	28	<0.2	<10	30	0.06	0.02	21.1	1.22	6.04	0.9	<1
N832423		4.85	0.002	0.04	0.05	2	<0.2	<10	20	<0.05	0.03	20.4	0.11	1.14	0.9	<1
N832424		9.81	0.002	0.22	0.18	38	<0.2	10	60	0.17	0.06	20.1	0.77	4.47	3.6	<1
N832425		0.28	0.086	62.6	0.91	2500	<0.2	<10	80	0.29	3.87	6.32	127.5	13.05	13.5	32
N832426		10.22	0.001	0.09	0.17	26	<0.2	<10	70	0.16	0.06	20.4	0.11	4.83	3.2	<1
N832427		8.94	0.001	0.42	0.07	110	<0.2	<10	30	0.08	0.01	21.2	2.26	4.52	1.6	<1
N832428		4.45	<0.001	0.01	0.02	<2	<0.2	<10	10	<0.05	0.05	21.2	0.07	1.17	0.9	<1
N832429		1.81	0.002	0.33	0.12	267	<0.2	<10	40	0.13	0.02	21.1	1.60	4.80	2.8	<1
N832430		4.72	0.001	0.13	0.05	93	<0.2	<10	20	0.08	0.01	21.7	1.08	4.19	1.4	<1
N832431		3.39	0.002	0.19	0.04	115	<0.2	<10	10	0.05	0.01	19.55	1.16	3.82	0.9	<1
N832432		9.40	<0.001	0.08	0.02	36	<0.2	<10	10	<0.05	<0.01	22.1	0.39	2.01	0.8	<1
N832433		9.56	0.002	0.38	0.04	54	<0.2	<10	10	0.06	0.01	21.5	1.93	4.12	1.1	<1
N832434		9.69	<0.001	0.42	0.05	48	<0.2	<10	10	0.05	0.01	20.7	3.07	4.12	1.5	<1
N832435		9.88	<0.001	0.10	0.05	44	<0.2	<10	20	0.06	0.01	21.2	0.48	3.89	1.7	<1
N832436		9.81	0.001	0.52	0.04	51	<0.2	<10	20	0.10	0.01	21.2	1.83	3.69	1.1	<1
N832437		9.74	0.001	0.34	0.03	10	<0.2	<10	10	0.08	<0.01	21.6	1.04	1.72	0.8	<1
N832438		9.18	0.002	1.49	0.03	83	<0.2	<10	10	0.17	<0.01	21.7	4.55	2.20	0.9	8
N832439		9.76	0.001	0.62	0.04	46	<0.2	<10	10	0.23	0.01	21.4	6.13	3.47	0.7	<1
N832440		9.96	0.001	0.65	0.03	78	<0.2	<10	10	0.31	0.01	21.5	7.90	4.18	0.7	<1
N832441		9.57	0.001	0.25	0.03	20	<0.2	<10	10	0.20	<0.01	21.8	2.22	2.68	0.7	<1

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**CERTIFICATE OF ANALYSIS WH12194529**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N832408		0.77	4.6	0.78	0.32	<0.05	0.05	0.96	<0.005	0.04	5.2	0.9	11.80	907	0.11	0.02
N832409		4.47	6.4	1.58	0.63	<0.05	0.11	0.73	0.005	0.09	3.8	1.9	10.75	1260	0.11	0.02
N832410		4.72	9.5	1.67	0.62	<0.05	0.11	0.93	<0.005	0.09	4.0	2.2	10.95	1440	0.44	0.02
N832411		1.63	6.7	1.61	0.39	<0.05	0.09	0.77	<0.005	0.06	4.4	1.1	11.15	1360	0.13	0.02
N832412		2.38	31.4	1.36	1.23	0.06	0.22	5.58	0.055	0.21	8.8	1.1	0.58	274	11.30	<0.01
N832413		1.82	4.6	1.70	0.42	<0.05	0.09	0.74	<0.005	0.06	3.3	1.2	10.85	1630	0.07	0.02
N832414		0.84	6.5	1.17	0.42	<0.05	0.06	3.01	<0.005	0.04	2.6	0.9	11.55	1760	0.11	0.02
N832415		2.09	7.5	1.38	0.99	<0.05	0.08	4.01	<0.005	0.06	4.1	1.1	11.65	1710	0.23	0.02
N832416		2.16	7.6	1.39	0.91	<0.05	0.07	3.88	<0.005	0.06	4.1	1.2	11.50	1720	0.23	0.02
N832417		0.86	4.5	1.74	0.32	<0.05	0.05	1.28	<0.005	0.04	3.0	0.8	11.20	1900	0.14	0.02
N832418		1.36	6.8	1.48	0.37	<0.05	0.08	2.20	<0.005	0.05	2.7	0.9	11.45	1740	0.19	0.02
N832419		0.45	4.5	1.31	0.29	<0.05	0.06	3.93	<0.005	0.03	2.5	0.7	11.60	2290	0.11	0.02
N832420		0.86	5.7	1.43	0.32	<0.05	0.06	2.78	<0.005	0.04	2.6	0.8	11.50	2160	0.16	0.01
N832421		0.67	3.5	1.28	0.23	<0.05	0.05	0.77	<0.005	0.03	4.2	0.8	11.70	1580	0.12	0.02
N832422		0.58	2.8	1.21	0.24	<0.05	0.04	0.66	<0.005	0.03	4.2	0.8	11.85	1520	0.10	0.02
N832423		0.48	2.0	0.48	0.18	0.06	<0.02	0.03	0.005	0.03	0.6	1.2	11.95	217	0.12	0.01
N832424		3.29	10.0	1.73	0.59	0.05	0.12	1.08	<0.005	0.08	2.6	1.6	10.95	1200	0.24	0.01
N832425		0.93	1035	3.48	3.68	0.09	0.21	2.78	0.065	0.11	6.7	8.0	0.51	2760	5.60	0.04
N832426		2.56	9.9	1.46	0.57	<0.05	0.14	0.99	<0.005	0.08	2.9	1.8	10.65	1140	0.17	0.01
N832427		0.57	8.4	1.38	0.34	<0.05	0.05	2.63	<0.005	0.03	2.8	0.9	11.70	1740	0.23	0.01
N832428		0.21	2.3	0.50	0.15	0.12	<0.02	0.02	<0.005	0.02	0.6	0.7	12.35	208	0.09	0.01
N832429		0.70	7.9	1.97	0.51	0.06	0.07	1.37	<0.005	0.05	3.1	1.4	11.30	2000	0.31	0.01
N832430		0.16	3.7	2.00	0.31	0.05	0.02	1.39	<0.005	0.01	2.6	0.6	11.75	1980	0.20	0.01
N832431		0.16	2.5	2.31	0.14	<0.05	0.02	1.56	<0.005	0.01	2.5	0.6	10.80	1960	0.11	0.02
N832432		<0.05	1.8	1.08	0.21	<0.05	<0.02	0.45	<0.005	<0.01	1.3	0.5	12.60	1500	0.14	0.01
N832433		0.17	5.5	2.09	0.30	0.05	0.02	1.16	<0.005	0.01	2.6	0.5	11.60	2270	0.15	0.01
N832434		0.25	4.9	2.12	0.34	0.05	0.03	1.77	<0.005	0.01	2.5	0.6	11.20	2150	0.20	0.01
N832435		0.26	4.9	2.27	0.34	0.06	0.05	0.88	<0.005	0.02	2.4	0.6	11.20	2060	0.21	0.01
N832436		0.14	2.9	1.96	0.33	<0.05	0.03	1.18	<0.005	0.01	2.4	0.7	11.20	2390	0.17	0.01
N832437		0.06	3.2	0.39	0.23	<0.05	0.02	0.60	<0.005	0.01	1.2	0.7	12.40	1600	0.13	0.01
N832438		0.07	2.9	0.71	0.31	<0.05	<0.02	2.89	<0.005	0.01	1.9	0.7	12.40	1440	1.91	0.02
N832439		0.13	3.3	1.06	0.43	<0.05	0.02	6.72	<0.005	0.01	2.9	0.7	12.05	1740	0.13	0.02
N832440		0.11	2.6	0.94	0.31	<0.05	0.02	5.12	<0.005	0.01	3.8	0.7	12.25	1280	0.12	0.02
N832441		0.12	2.2	0.68	0.21	<0.05	0.02	1.19	<0.005	0.01	2.3	0.7	12.40	1100	0.12	0.02





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**CERTIFICATE OF ANALYSIS WH12194529**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N832408		<0.05	3.0	330	13.2	1.5	<0.001	0.17	9.10	1.6	0.8	0.2	81.6	<0.01	<0.01	0.7
N832409		0.06	3.7	220	16.1	3.9	0.001	0.76	5.73	2.4	0.4	0.4	65.3	<0.01	0.01	1.5
N832410		<0.05	7.5	190	14.2	3.6	0.003	0.64	2.05	2.0	0.7	0.3	57.6	<0.01	0.01	1.6
N832411		<0.05	6.5	270	19.3	2.3	<0.001	0.57	10.50	1.8	0.4	0.5	67.3	<0.01	0.01	1.3
N832412		<0.05	60.3	4250	4.6	14.9	0.035	1.30	6.36	5.3	8.5	0.8	134.5	<0.01	0.52	3.8
N832413		<0.05	2.2	150	26.7	2.5	<0.001	0.56	8.70	1.8	0.5	0.3	65.7	<0.01	0.02	1.2
N832414		<0.05	2.4	340	800	1.8	0.001	0.71	76.6	1.2	0.5	0.3	66.7	<0.01	0.02	0.8
N832415		<0.05	4.9	220	451	2.4	0.001	0.97	81.1	1.5	0.5	0.3	65.1	<0.01	0.01	1.0
N832416		<0.05	5.0	210	439	2.5	0.001	0.88	75.0	1.5	0.5	0.3	66.2	<0.01	0.02	0.9
N832417		<0.05	3.4	440	110.0	1.4	<0.001	0.51	23.8	1.0	0.7	0.3	62.0	<0.01	0.01	0.7
N832418		<0.05	4.2	350	264	2.1	0.001	0.76	45.1	1.7	0.7	0.4	70.0	<0.01	0.01	1.0
N832419		<0.05	2.2	270	587	1.2	<0.001	0.59	74.5	1.3	0.7	0.3	78.5	<0.01	<0.01	0.5
N832420		<0.05	3.2	370	706	1.5	<0.001	0.61	74.2	1.4	0.6	0.3	96.8	<0.01	<0.01	0.6
N832421		<0.05	2.1	200	100.0	1.0	<0.001	0.28	20.4	0.9	0.4	0.2	70.2	<0.01	<0.01	0.5
N832422		<0.05	1.6	180	119.0	1.0	0.001	0.27	21.3	0.8	0.4	0.2	71.5	<0.01	<0.01	0.4
N832423		0.08	3.2	170	7.4	2.6	<0.001	<0.01	0.78	0.4	0.2	<0.2	43.8	<0.01	<0.01	<0.2
N832424		0.12	6.0	230	35.8	4.2	0.001	0.90	6.88	3.0	0.4	0.3	71.2	<0.01	0.02	2.0
N832425		0.24	27.5	640	>10000	6.6	0.003	2.56	41.6	3.7	3.7	1.8	288	<0.01	0.15	2.0
N832426		0.13	5.1	290	23.2	3.8	0.001	0.69	3.29	3.0	0.4	0.2	102.5	<0.01	0.02	1.9
N832427		0.10	2.0	320	92.9	1.3	0.001	0.50	75.8	1.7	0.5	0.2	66.6	<0.01	0.02	0.6
N832428		0.09	3.4	230	2.1	1.4	<0.001	<0.01	0.50	0.3	0.3	<0.2	48.2	<0.01	<0.01	<0.2
N832429		0.15	6.3	260	103.0	2.1	0.001	0.58	147.5	2.1	0.7	0.4	81.0	<0.01	0.01	0.8
N832430		0.14	3.0	260	51.6	0.5	<0.001	0.24	66.1	1.0	0.7	0.3	70.3	<0.01	0.01	0.2
N832431		0.10	1.6	200	102.0	0.5	0.001	0.52	36.5	0.4	0.3	0.3	45.8	<0.01	0.02	0.2
N832432		0.13	0.3	190	23.2	0.1	<0.001	0.18	12.20	0.4	0.4	<0.2	43.3	<0.01	<0.01	<0.2
N832433		0.14	1.0	320	136.5	0.4	0.001	0.47	49.5	0.8	0.4	<0.2	61.1	<0.01	0.01	0.2
N832434		0.14	2.4	270	78.3	0.7	0.001	0.69	26.0	1.0	0.5	0.2	54.3	<0.01	0.01	0.4
N832435		0.14	2.4	240	16.8	0.8	0.001	0.50	4.61	0.9	0.4	0.2	73.5	<0.01	0.02	0.5
N832436		0.13	1.0	290	155.5	0.6	<0.001	0.28	26.9	0.7	0.4	<0.2	85.4	<0.01	0.01	0.3
N832437		0.12	0.5	260	23.7	0.3	0.001	0.06	3.48	0.4	0.3	<0.2	80.7	<0.01	<0.01	<0.2
N832438		0.14	4.1	230	320	0.2	0.001	0.18	31.9	0.4	0.6	<0.2	83.3	<0.01	0.01	<0.2
N832439		0.12	0.3	430	304	0.5	<0.001	0.34	57.3	0.5	0.6	<0.2	97.8	<0.01	0.01	0.2
N832440		0.13	0.6	410	663	0.4	0.001	0.20	86.3	0.4	0.5	<0.2	107.5	<0.01	0.01	0.2
N832441		0.12	0.5	360	81.9	0.3	<0.001	0.10	23.1	0.4	0.4	0.2	97.0	<0.01	0.01	0.2



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**CERTIFICATE OF ANALYSIS WH12194529**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
N832408		<0.005	0.77	1.81	4	<0.05	8.62	148	1.4		
N832409		<0.005	0.91	1.75	6	0.06	7.27	60	2.7		
N832410		<0.005	0.88	2.29	5	<0.05	6.24	20	3.1		
N832411		<0.005	2.64	1.73	4	0.12	6.71	224	2.2		
N832412		<0.005	6.25	4.09	76	10.20	23.7	275	9.5		
N832413		<0.005	1.23	1.45	5	0.09	6.54	152	2.1		
N832414		<0.005	3.41	2.01	3	0.06	6.78	1240	1.5		
N832415		<0.005	3.36	1.85	4	0.10	5.72	1710	1.9		
N832416		<0.005	3.08	1.68	4	0.09	5.68	1540	2.0		
N832417		<0.005	1.79	1.96	2	0.09	6.18	583	1.3		
N832418		<0.005	2.42	1.86	4	0.14	6.84	785	2.0		
N832419		<0.005	2.31	1.45	3	0.08	7.27	2900	1.2		
N832420		<0.005	3.20	1.91	4	0.07	8.91	1100	1.6		
N832421		<0.005	0.88	1.64	3	0.05	5.98	272	1.2		
N832422		<0.005	0.85	1.71	2	<0.05	6.03	227	1.1		
N832423		<0.005	0.02	0.62	2	<0.05	0.92	20	<0.5		
N832424		<0.005	1.40	1.82	5	0.15	6.46	169	4.4		
N832425		0.050	0.14	0.68	30	6.44	7.59	>10000	6.0	1.960	1.945
N832426		<0.005	1.14	1.81	4	0.14	6.63	52	4.5		
N832427		<0.005	2.18	1.68	2	0.09	7.74	838	1.4		
N832428		<0.005	<0.02	0.51	1	<0.05	0.89	17	<0.5		
N832429		<0.005	3.56	1.76	4	0.60	7.19	602	2.6		
N832430		<0.005	2.11	1.32	2	0.12	6.69	566	0.9		
N832431		<0.005	2.18	1.44	2	<0.05	3.92	350	0.8		
N832432		<0.005	0.66	1.26	1	0.05	3.36	141	<0.5		
N832433		<0.005	1.62	1.39	1	0.06	6.47	442	0.6		
N832434		<0.005	1.52	1.54	1	0.07	6.23	557	1.0		
N832435		<0.005	1.26	1.62	1	0.07	4.72	147	1.5		
N832436		<0.005	1.44	1.44	1	0.06	4.61	421	1.1		
N832437		<0.005	0.28	1.08	1	0.06	3.16	294	0.5		
N832438		<0.005	1.12	1.02	<1	0.11	2.89	1880	<0.5		
N832439		<0.005	1.92	1.66	1	0.06	4.21	2230	0.8		
N832440		<0.005	2.51	1.99	<1	0.06	4.05	1480	0.7		
N832441		<0.005	0.82	1.53	<1	0.06	2.93	382	0.7		



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<b>CERTIFICATE OF ANALYSIS WH12194529</b>
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	<b>CERTIFICATE COMMENTS</b>
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Applies to Method:



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**CERTIFICATE WH12194650**

Project: CRAG EAST 3  
 P.O. No.:  
 This report is for 37 Soil samples submitted to our lab in Whitehorse, YT, Canada on 19- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH12194650**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
ZZ57151		0.17	0.007	0.53	0.51	23.1	<0.2	<10	180	0.29	0.23	0.28	0.58	25.3	17.9	9
ZZ57152		0.16	0.004	0.45	0.71	16.7	<0.2	<10	150	0.34	0.21	0.23	1.88	65.6	23.2	9
ZZ57153		0.24	0.009	0.61	0.76	21.1	<0.2	<10	170	0.30	0.21	0.39	3.54	48.9	30.5	11
ZZ57154		0.25	0.028	2.00	0.47	64.6	<0.2	<10	460	0.60	0.31	0.35	4.84	45.8	29.3	11
ZZ57155		0.24	0.012	0.40	0.47	42.5	<0.2	<10	190	0.54	0.37	0.19	0.98	41.3	26.9	11
ZZ57156		0.17	0.011	0.33	0.97	18.0	<0.2	<10	150	0.42	0.26	0.07	0.33	19.95	9.3	20
ZZ57157		0.19	0.014	1.10	2.19	34.8	<0.2	<10	260	1.12	0.38	0.39	1.11	46.6	43.0	36
ZZ57158		0.25	0.018	0.97	1.64	28.0	<0.2	10	270	1.01	0.34	0.44	1.36	48.5	42.5	26
ZZ57159		0.25	0.002	0.18	1.25	19.7	<0.2	<10	170	1.61	0.52	0.09	0.23	19.00	30.5	22
ZZ57160		0.28	0.001	0.05	0.90	3.1	<0.2	<10	180	1.56	0.38	0.05	0.06	15.10	30.3	23
ZZ57161		0.33	<0.001	0.17	1.07	13.9	<0.2	<10	250	1.46	0.54	0.04	0.30	20.3	33.8	19
ZZ57162		0.22	0.002	0.07	0.88	10.2	<0.2	<10	60	0.36	0.36	0.04	0.12	19.30	7.7	17
ZZ57163		0.17	0.001	0.06	0.74	11.5	<0.2	<10	100	0.23	0.36	0.06	0.35	19.45	7.8	20
ZZ57164		0.20	0.001	0.08	1.13	12.4	<0.2	<10	70	0.25	0.34	0.06	0.15	27.7	9.8	30
ZZ57165		0.17	0.001	0.03	0.58	9.6	<0.2	<10	60	0.16	0.23	0.03	0.09	27.8	4.3	14
ZZ57166		0.17	0.003	0.19	0.87	15.8	<0.2	<10	80	0.19	0.31	0.04	0.15	27.6	7.7	18
ZZ57167		0.22	0.005	0.19	0.62	63.0	<0.2	<10	170	0.23	0.31	0.02	0.19	24.3	14.4	18
ZZ57168		0.15	0.006	0.43	1.17	35.0	<0.2	<10	180	0.37	0.26	0.04	0.43	32.6	14.3	17
ZZ57169		0.22	0.018	1.34	1.30	69.3	<0.2	<10	200	1.00	0.37	0.46	7.16	45.3	45.0	23
ZZ57170		0.22	0.033	1.01	0.59	96.5	<0.2	<10	220	0.58	0.34	0.52	2.61	31.4	40.8	10
ZZ57171		0.26	0.010	0.42	0.56	56.1	<0.2	<10	120	0.48	0.25	2.06	1.13	28.2	23.4	12
ZZ57172		0.27	0.004	0.17	0.37	75.0	<0.2	<10	130	0.41	0.21	1.79	0.34	23.7	19.8	8
ZZ57173		0.23	0.015	0.60	0.31	47.9	<0.2	<10	180	0.37	0.22	0.34	1.91	47.1	16.9	8
ZZ57174		0.20	0.010	0.38	0.41	43.2	<0.2	<10	290	0.34	0.23	0.26	1.22	45.5	22.3	9
ZZ57175		0.20	0.005	0.65	0.54	263	<0.2	<10	260	0.44	0.26	0.09	0.92	35.1	17.8	16
ZZ57176		0.19	0.001	0.08	0.65	27.6	<0.2	<10	90	0.22	0.33	0.03	0.18	21.0	8.2	18
ZZ57177		0.20	0.002	0.08	0.55	37.7	<0.2	<10	160	0.24	0.33	0.02	0.19	23.7	11.9	13
ZZ57178		0.23	0.003	0.20	0.33	49.4	<0.2	<10	100	0.20	0.23	0.02	0.23	27.6	14.8	10
ZZ57179		0.21	0.007	0.29	0.35	83.8	<0.2	<10	210	0.37	0.25	0.02	0.54	32.3	18.5	10
ZZ57180		0.27	0.010	0.77	0.27	112.5	<0.2	<10	320	0.38	0.27	0.07	1.51	41.3	42.2	11
ZZ57181		0.31	0.004	0.18	0.29	72.8	<0.2	<10	140	0.32	0.30	0.05	0.98	30.7	17.9	9
ZZ57182		0.23	0.011	0.52	0.45	238	<0.2	<10	260	0.47	0.28	0.10	0.80	47.0	23.2	11
ZZ57183		0.21	0.012	0.97	0.34	86.3	<0.2	<10	210	0.50	0.27	0.12	0.94	40.5	19.9	10
ZZ62597		0.25	0.012	0.20	0.37	401	<0.2	<10	600	0.52	0.36	1.01	0.33	15.35	44.2	14
ZZ62598		0.24	0.020	0.98	0.84	72.9	<0.2	<10	510	0.79	0.39	0.43	2.21	40.9	48.3	18
ZZ62599		0.22	0.018	0.70	0.50	23.6	<0.2	10	270	0.76	0.31	0.39	2.84	60.4	49.6	10
ZZ62600		0.21	0.014	0.82	1.31	48.0	<0.2	<10	240	0.53	0.27	0.36	2.27	54.6	56.3	17



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**CERTIFICATE OF ANALYSIS WH12194650**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
ZZ57151		6.61	64.7	3.84	2.03	0.11	0.02	0.16	0.029	0.11	13.7	4.3	0.15	720	6.49	0.02
ZZ57152		4.11	77.4	4.27	2.12	0.18	0.09	0.13	0.035	0.08	26.1	10.1	0.23	1180	5.74	0.01
ZZ57153		2.45	115.0	4.65	2.30	0.21	0.16	0.16	0.033	0.10	24.2	11.2	0.43	824	8.88	0.01
ZZ57154		2.89	213	5.46	1.95	0.19	0.08	0.71	0.048	0.13	26.1	7.2	0.21	880	20.7	0.01
ZZ57155		6.76	146.5	5.17	2.16	0.16	0.04	0.20	0.044	0.16	22.2	4.9	0.15	1250	9.17	0.01
ZZ57156		5.50	65.4	2.76	4.38	0.08	0.02	0.12	0.029	0.08	10.8	8.2	0.31	424	3.79	0.02
ZZ57157		8.84	228	5.45	7.71	0.23	0.08	0.28	0.055	0.19	25.1	37.3	1.45	2000	8.08	0.01
ZZ57158		4.89	230	5.49	5.42	0.23	0.13	0.29	0.050	0.19	25.7	26.9	1.13	2220	8.18	0.01
ZZ57159		7.02	68.9	4.92	4.95	0.13	0.07	0.09	0.033	0.07	7.4	24.1	0.45	1390	2.00	0.01
ZZ57160		7.85	57.1	5.04	3.54	0.12	0.04	0.05	0.029	0.07	5.3	13.7	0.27	1320	0.89	0.01
ZZ57161		8.81	66.7	5.13	4.41	0.14	0.05	0.05	0.034	0.08	7.5	18.0	0.28	2020	2.01	0.01
ZZ57162		4.62	36.0	2.96	4.59	0.08	<0.02	0.05	0.022	0.06	9.5	3.5	0.11	318	2.17	0.01
ZZ57163		1.69	26.2	3.18	5.67	0.09	<0.02	0.06	0.021	0.06	9.6	3.0	0.10	456	2.02	0.01
ZZ57164		1.72	32.9	4.04	7.42	0.11	0.02	0.06	0.025	0.07	13.3	6.5	0.27	382	2.01	0.01
ZZ57165		2.03	21.7	1.97	4.16	0.09	<0.02	0.03	0.013	0.05	14.3	1.7	0.05	125	2.13	0.01
ZZ57166		1.63	33.5	3.14	6.37	0.09	<0.02	0.05	0.023	0.07	14.0	3.0	0.11	395	3.01	0.01
ZZ57167		2.80	105.5	3.97	4.47	0.11	<0.02	0.18	0.040	0.07	13.8	2.3	0.06	336	7.77	0.01
ZZ57168		3.14	86.4	4.30	4.21	0.12	0.03	0.16	0.038	0.10	16.6	9.0	0.25	443	8.58	0.01
ZZ57169		7.04	280	5.18	4.27	0.22	0.08	0.53	0.045	0.13	22.7	22.3	0.67	1260	8.47	0.01
ZZ57170		5.69	227	6.80	2.13	0.21	0.15	0.62	0.056	0.13	16.8	9.2	0.26	1250	13.60	0.01
ZZ57171		11.30	98.2	3.58	2.18	0.14	0.29	0.94	0.041	0.12	13.4	5.3	0.68	434	7.51	0.01
ZZ57172		9.86	105.5	2.81	1.79	0.09	0.21	0.73	0.029	0.10	13.2	4.8	0.69	980	3.43	0.01
ZZ57173		5.08	82.9	3.65	1.63	0.17	0.12	0.59	0.035	0.11	25.7	5.4	0.08	458	11.30	0.01
ZZ57174		9.73	115.5	4.69	1.74	0.16	0.07	0.16	0.033	0.11	23.5	5.0	0.12	672	11.40	0.01
ZZ57175		8.16	94.2	5.14	2.35	0.15	0.03	0.68	0.040	0.08	19.4	4.6	0.12	641	10.15	0.01
ZZ57176		8.70	40.1	3.52	5.13	0.08	<0.02	0.09	0.024	0.08	11.1	2.6	0.08	422	4.26	0.01
ZZ57177		6.07	59.8	3.28	4.17	0.09	<0.02	0.10	0.026	0.08	13.4	2.9	0.07	582	5.93	0.01
ZZ57178		7.77	80.0	3.95	2.91	0.11	<0.02	0.14	0.033	0.09	16.2	1.8	0.05	215	9.19	0.01
ZZ57179		3.82	99.2	4.12	1.86	0.14	0.04	0.58	0.039	0.09	17.6	2.7	0.06	1160	11.65	0.01
ZZ57180		10.75	128.0	5.26	1.54	0.17	0.03	1.05	0.039	0.09	20.5	2.3	0.05	1280	13.20	0.01
ZZ57181		11.70	130.0	5.31	1.80	0.14	0.02	0.23	0.043	0.10	18.0	3.0	0.05	394	11.85	0.01
ZZ57182		9.12	135.5	5.36	2.03	0.18	0.05	0.53	0.044	0.11	25.0	4.2	0.08	822	11.20	0.01
ZZ57183		6.76	134.0	5.12	1.62	0.18	0.04	1.04	0.046	0.10	22.7	3.4	0.08	527	12.90	0.01
ZZ62597		6.14	95.4	3.57	2.46	0.12	0.14	4.99	0.036	0.11	8.1	4.4	0.24	821	3.53	0.01
ZZ62598		14.60	228	6.02	3.62	0.21	0.16	0.34	0.057	0.17	22.1	14.8	0.50	1440	11.20	0.01
ZZ62599		5.87	166.0	5.72	2.23	0.25	0.13	0.25	0.048	0.15	32.1	9.9	0.17	1390	8.07	0.01
ZZ62600		5.07	220	6.23	3.35	0.14	0.08	0.26	0.049	0.11	27.9	16.7	0.53	2260	9.32	0.01

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**CERTIFICATE OF ANALYSIS WH12194650**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
ZZ57151		0.11	20.9	2290	20.1	8.6	0.001	0.16	1.57	0.8	1.6	0.3	19.5	<0.01	0.11	<0.2
ZZ57152		0.10	45.3	1460	17.1	6.0	0.001	0.06	1.49	3.7	2.6	0.2	17.8	0.01	0.08	1.8
ZZ57153		0.11	70.4	1360	17.2	5.4	0.003	0.27	2.14	5.1	2.8	0.2	32.4	0.01	0.09	4.1
ZZ57154		0.09	78.2	1500	33.5	7.4	0.007	0.06	5.61	5.6	4.5	0.3	89.5	0.01	0.21	4.4
ZZ57155		0.09	47.1	1810	25.2	10.7	0.002	0.07	3.18	3.1	2.0	0.2	22.1	<0.01	0.19	0.9
ZZ57156		0.21	18.6	1680	14.2	11.9	<0.001	0.14	1.40	0.6	1.1	0.5	10.4	<0.01	0.10	<0.2
ZZ57157		0.28	64.3	1750	32.7	20.2	0.002	0.08	3.28	4.5	3.5	0.6	39.8	0.01	0.21	1.3
ZZ57158		0.18	63.4	1920	29.6	16.2	0.002	0.10	3.34	5.8	3.6	0.5	43.9	0.01	0.20	2.0
ZZ57159		0.16	41.1	630	48.8	7.1	0.001	0.03	0.64	4.4	0.8	0.6	10.2	0.01	0.06	4.3
ZZ57160		0.25	36.7	650	22.8	8.1	<0.001	0.03	0.34	4.0	0.4	0.6	8.2	0.01	0.05	2.6
ZZ57161		0.17	38.6	710	46.8	8.1	<0.001	0.03	0.70	4.4	0.7	0.5	11.6	0.01	0.07	4.0
ZZ57162		0.38	16.5	750	18.1	10.2	<0.001	0.07	0.91	0.9	0.4	0.8	6.0	<0.01	0.08	<0.2
ZZ57163		0.53	14.6	600	15.9	12.4	<0.001	0.06	1.03	0.9	0.5	0.8	6.5	<0.01	0.08	<0.2
ZZ57164		0.97	18.0	550	14.7	12.9	<0.001	0.06	0.95	1.8	0.5	0.9	6.8	<0.01	0.08	0.4
ZZ57165		0.55	10.1	360	8.7	11.6	<0.001	0.04	0.95	0.9	<0.2	0.9	4.9	<0.01	0.05	0.2
ZZ57166		0.67	14.0	700	12.0	13.4	<0.001	0.07	1.01	1.6	0.5	0.8	6.0	<0.01	0.08	0.3
ZZ57167		0.14	37.9	840	15.9	9.8	<0.001	0.05	2.04	1.1	0.9	0.8	22.0	<0.01	0.16	<0.2
ZZ57168		0.26	28.6	1330	16.9	12.5	0.002	0.12	2.14	1.4	2.2	0.5	7.9	<0.01	0.14	0.3
ZZ57169		0.24	80.3	1600	33.5	10.7	0.016	0.10	3.71	5.9	8.6	0.5	46.8	0.01	0.16	6.3
ZZ57170		0.13	82.7	1210	27.2	9.0	0.005	0.96	3.66	7.3	5.9	0.3	48.3	0.01	0.20	3.7
ZZ57171		0.05	44.8	1300	26.3	8.8	0.017	1.16	2.24	3.9	5.8	0.3	60.9	0.01	0.22	3.5
ZZ57172		0.05	40.8	740	14.6	6.9	0.007	0.25	1.51	4.6	1.0	0.3	67.4	<0.01	0.11	2.8
ZZ57173		0.11	41.7	1150	20.6	6.8	0.008	0.05	2.70	5.1	5.0	0.2	29.7	0.01	0.11	4.1
ZZ57174		0.09	46.9	1680	19.6	8.5	0.002	0.08	2.59	3.0	2.3	0.2	31.1	0.01	0.11	0.8
ZZ57175		0.16	44.5	1740	21.9	7.3	0.001	0.05	2.27	2.4	1.6	0.3	55.8	0.01	0.10	0.4
ZZ57176		0.15	17.2	1250	13.4	14.9	<0.001	0.07	1.16	0.4	0.6	0.7	8.1	<0.01	0.08	<0.2
ZZ57177		0.13	23.6	860	16.4	12.5	<0.001	0.05	1.52	0.6	0.5	0.7	8.5	<0.01	0.09	<0.2
ZZ57178		0.09	34.8	1330	14.0	8.0	0.001	0.05	2.14	0.7	0.8	0.5	11.9	<0.01	0.11	<0.2
ZZ57179		0.07	41.8	1180	20.4	7.0	0.002	0.05	2.35	2.7	1.6	0.3	26.8	0.01	0.14	0.5
ZZ57180		0.08	59.2	1530	24.9	6.1	0.002	0.04	3.09	5.1	3.0	0.3	44.5	0.01	0.11	1.1
ZZ57181		0.10	48.6	1740	19.9	7.9	0.001	0.07	3.42	2.5	1.8	0.3	16.4	<0.01	0.15	0.6
ZZ57182		0.08	51.5	1940	26.0	7.7	0.001	0.08	2.73	3.3	2.4	0.3	48.6	0.01	0.15	0.7
ZZ57183		0.09	59.0	1290	20.4	6.3	0.002	0.06	2.96	4.4	2.2	0.3	33.0	0.01	0.14	0.8
ZZ62597		0.07	67.3	1550	30.0	7.2	0.004	0.21	9.07	5.2	4.2	0.5	134.0	0.01	0.15	2.3
ZZ62598		0.14	86.1	1440	31.8	12.6	0.003	0.32	3.77	7.9	4.5	0.5	64.8	0.01	0.21	4.6
ZZ62599		0.15	100.5	1340	24.3	9.5	0.004	0.20	2.02	7.2	5.2	0.3	35.4	0.01	0.18	3.5
ZZ62600		0.12	95.3	1960	26.2	8.5	0.003	0.23	2.95	6.8	3.6	0.3	30.9	0.01	0.14	3.4

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
ZZ57151		<0.005	0.17	1.22	25	<0.05	6.35	98	<0.5
ZZ57152		<0.005	0.29	2.36	19	<0.05	15.35	131	1.9
ZZ57153		<0.005	0.31	3.24	25	<0.05	17.85	181	9.5
ZZ57154		<0.005	0.45	4.16	51	<0.05	18.70	391	3.7
ZZ57155		<0.005	0.35	1.59	28	<0.05	8.88	179	0.6
ZZ57156		0.007	0.17	1.22	58	0.09	4.60	80	<0.5
ZZ57157		0.013	0.30	3.09	96	0.09	22.9	222	1.5
ZZ57158		0.007	0.30	2.78	68	0.05	24.1	211	3.0
ZZ57159		<0.005	0.10	1.45	22	<0.05	11.30	130	1.4
ZZ57160		0.011	0.07	1.43	29	0.07	9.14	107	0.5
ZZ57161		0.005	0.10	1.75	24	<0.05	10.75	133	0.9
ZZ57162		0.023	0.14	0.88	51	0.20	2.96	65	<0.5
ZZ57163		0.036	0.12	0.68	68	0.21	2.41	76	<0.5
ZZ57164		0.080	0.12	0.71	95	0.22	3.17	63	0.6
ZZ57165		0.033	0.12	0.52	73	0.23	2.15	47	<0.5
ZZ57166		0.043	0.15	0.69	69	0.17	2.94	65	<0.5
ZZ57167		0.011	0.20	1.25	97	0.09	4.58	153	<0.5
ZZ57168		0.008	0.31	1.66	56	0.08	7.47	126	0.6
ZZ57169		0.017	0.44	4.48	73	0.08	21.0	415	2.9
ZZ57170		<0.005	0.48	2.98	34	<0.05	17.10	231	9.3
ZZ57171		<0.005	0.28	1.68	36	0.05	13.25	142	12.0
ZZ57172		<0.005	0.19	0.59	23	<0.05	9.68	101	8.5
ZZ57173		<0.005	0.41	1.36	32	<0.05	11.90	138	7.4
ZZ57174		<0.005	0.51	2.21	27	<0.05	13.15	152	1.6
ZZ57175		0.008	0.60	1.89	51	0.08	9.02	143	<0.5
ZZ57176		0.006	0.15	0.84	61	0.12	2.52	77	<0.5
ZZ57177		0.008	0.20	0.65	63	0.12	2.24	110	<0.5
ZZ57178		<0.005	0.30	0.81	47	0.07	2.51	134	<0.5
ZZ57179		<0.005	0.42	1.61	42	0.05	12.35	159	0.5
ZZ57180		<0.005	1.56	2.54	39	0.06	14.10	184	<0.5
ZZ57181		<0.005	0.29	1.16	35	<0.05	4.07	211	0.6
ZZ57182		<0.005	0.56	3.05	36	0.06	17.85	175	0.7
ZZ57183		<0.005	0.45	2.03	34	0.06	15.20	183	0.6
ZZ62597		<0.005	0.80	0.88	32	0.05	18.25	64	5.3
ZZ62598		<0.005	0.41	2.84	57	0.05	20.8	240	8.5
ZZ62599		<0.005	0.35	3.62	28	0.05	28.3	231	4.5
ZZ62600		<0.005	0.37	3.04	39	0.07	24.8	257	2.7





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Project: CRAG EAST 3

**CERTIFICATE OF ANALYSIS WH12194650**

**CERTIFICATE COMMENTS**

Applies to Method:



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**CERTIFICATE WH12195699**

Project: CRAG EAST  
 P.O. No.: Batch 31  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Zn- OG46	Ore Grade Zn - Aqua Regia	VARIABLE
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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To: STRATEGIC METALS LTD.  
 C/ O ARCHER, CATHRO & ASSOCIATES (1981)  
 LIMITED  
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 Plus Appendix Pages  
 Finalized Date: 10- SEP- 2012  
 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12195699**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
N832336		3.66	0.001	0.01	0.04	<2	<0.2	<10	20	0.05	0.03	20.7	0.06	1.51	1.3	<1
N832337		10.16	0.001	0.01	0.08	57	<0.2	<10	20	0.10	0.02	20.8	0.02	7.47	1.7	<1
N832338		<0.02	0.001	0.02	0.09	59	<0.2	<10	30	0.10	0.03	20.3	0.02	7.50	1.1	<1
N832339		9.96	0.002	0.02	0.10	50	<0.2	<10	30	0.06	0.03	21.5	0.74	6.14	1.3	<1
N832340		10.07	0.001	0.04	0.11	86	<0.2	10	50	0.12	0.04	20.9	0.60	5.84	1.7	<1
N832341		9.71	0.001	0.06	0.16	149	<0.2	10	30	0.19	0.06	21.0	0.41	6.09	2.2	<1
N832342		10.27	<0.001	0.02	0.09	112	<0.2	10	20	0.07	0.02	20.7	0.50	4.21	2.0	<1
N832343		9.42	0.001	0.04	0.17	92	<0.2	10	50	0.11	0.04	20.9	0.50	5.75	4.1	<1
N832344		9.68	0.002	0.04	0.18	154	<0.2	10	60	0.11	0.04	19.60	0.37	4.61	3.7	<1
N832345		9.73	0.002	0.03	0.19	89	<0.2	10	30	0.13	0.04	20.3	0.12	6.14	3.4	<1
N832346		9.08	0.002	0.05	0.27	111	<0.2	10	40	0.17	0.06	18.60	0.24	6.20	4.7	1
N832347		8.63	0.001	0.05	0.24	212	<0.2	10	60	0.15	0.05	18.90	0.18	5.68	3.1	1
N832348		9.29	0.002	0.02	0.07	125	<0.2	<10	20	0.08	0.01	22.3	0.19	7.31	1.6	<1
N832349		0.27	0.098	61.4	0.99	2750	<0.2	<10	80	0.27	3.55	6.43	128.0	13.50	16.5	33
N832350		5.02	0.001	0.03	0.06	122	<0.2	<10	20	0.10	0.01	23.0	0.23	5.76	0.9	<1
N832351		4.87	0.001	0.03	0.06	104	<0.2	<10	10	0.08	0.01	21.3	0.20	5.25	0.8	<1
N832352		2.20	0.001	0.11	0.05	90	<0.2	<10	20	0.12	0.01	21.7	0.74	3.88	1.0	<1
N832353		0.26	7.59	0.42	0.46	804	<0.2	10	140	0.28	0.56	12.95	3.86	16.95	6.4	27
N832354		3.59	0.004	0.02	0.09	192	<0.2	<10	30	0.13	0.02	21.5	0.28	3.53	1.4	<1
N832355		10.12	0.002	0.02	0.11	183	<0.2	<10	30	0.10	0.02	21.5	0.24	3.99	1.9	<1
N832356		9.67	0.003	0.01	0.07	151	<0.2	<10	20	0.06	0.01	22.5	0.07	3.23	1.6	<1
N832357		8.38	0.002	0.01	0.09	152	<0.2	<10	30	0.08	0.01	21.0	0.10	3.41	1.5	<1
N832358		9.85	0.001	0.02	0.09	205	<0.2	<10	20	0.10	0.01	21.4	0.22	3.95	1.1	<1
N832359		4.66	0.002	0.03	0.07	386	<0.2	<10	10	0.08	0.01	22.2	0.19	6.82	1.5	<1
N832360		5.62	0.001	0.06	0.08	503	<0.2	<10	20	0.12	0.01	22.0	0.35	6.89	1.6	<1
N832361		4.48	0.002	0.03	0.08	36	<0.2	<10	30	0.13	0.01	21.2	0.19	6.30	1.0	<1
N832362		4.69	0.002	0.01	0.08	<2	<0.2	<10	20	<0.05	0.03	20.9	0.06	1.14	1.9	1
N832363		3.07	0.002	0.03	0.06	197	<0.2	<10	10	0.07	0.01	21.4	0.13	4.34	1.2	<1
N832364		8.77	0.001	0.02	0.06	184	<0.2	<10	20	0.10	0.01	21.1	0.16	4.18	1.1	<1
N832365		9.28	0.005	0.01	0.04	95	<0.2	<10	10	<0.05	<0.01	22.3	0.04	3.27	1.0	<1
N832366		9.30	0.002	0.01	0.04	79	<0.2	<10	10	0.05	<0.01	22.6	0.04	3.53	1.0	<1
N832367		4.57	0.001	<0.01	0.04	49	<0.2	<10	10	0.06	<0.01	21.5	0.05	3.60	1.0	<1
N832368		10.11	0.001	0.02	0.03	86	<0.2	<10	10	0.08	0.01	20.1	0.04	2.34	0.3	<1
N832369		7.92	0.004	0.01	0.05	123	<0.2	<10	20	0.08	0.02	20.1	0.08	2.84	0.3	<1
N832370		10.54	0.001	0.01	0.03	84	<0.2	<10	10	<0.05	0.01	20.7	0.01	1.25	0.2	<1
N832371		4.75	0.002	0.40	0.14	215	<0.2	<10	70	0.14	0.02	19.50	1.21	5.00	1.5	<1



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12195699**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
N832336		0.44	2.3	0.51	0.19	0.06	<0.02	0.01	0.005	0.03	0.7	1.1	11.95	217	0.07	0.01
N832337		0.66	4.4	0.55	0.30	0.09	0.05	1.15	<0.005	0.03	4.4	0.7	11.55	926	0.14	0.02
N832338		0.68	4.4	0.54	0.24	0.05	0.05	1.05	<0.005	0.03	4.3	1.0	12.00	952	0.14	0.02
N832339		0.76	5.0	0.54	0.29	<0.05	0.05	16.55	<0.005	0.04	3.3	0.9	11.85	924	0.15	0.02
N832340		1.35	6.4	1.18	0.33	0.05	0.08	3.72	<0.005	0.05	3.2	0.9	11.55	1450	0.21	0.02
N832341		2.48	9.4	1.29	0.46	<0.05	0.11	4.34	<0.005	0.07	3.3	1.3	10.90	1290	0.26	0.02
N832342		0.95	4.9	1.06	0.49	0.07	0.06	2.37	<0.005	0.04	2.5	0.6	11.45	1340	0.16	0.02
N832343		2.43	11.4	1.66	0.75	0.07	0.14	3.06	<0.005	0.07	3.1	0.8	10.65	1350	0.31	0.02
N832344		2.97	11.1	1.46	0.80	0.07	0.13	2.22	<0.005	0.09	2.5	1.0	9.93	1310	0.30	0.02
N832345		3.63	10.6	1.07	0.77	0.07	0.12	0.96	<0.005	0.09	3.3	0.9	10.35	981	0.26	0.02
N832346		5.61	14.0	1.03	1.02	0.07	0.17	1.44	0.005	0.12	3.2	1.4	9.65	780	0.37	0.02
N832347		3.33	16.4	0.74	0.86	0.07	0.16	1.16	<0.005	0.10	2.7	1.1	10.25	599	0.33	0.02
N832348		0.45	5.7	0.43	0.36	0.11	0.05	1.18	<0.005	0.02	4.0	0.6	12.45	671	0.16	0.02
N832349		0.91	1100	3.29	4.64	0.12	0.21	2.92	0.064	0.12	6.8	7.5	0.51	2850	5.57	0.05
N832350		0.27	3.1	0.44	0.30	0.08	0.04	1.00	<0.005	0.02	3.4	0.6	13.05	755	0.07	0.02
N832351		0.27	5.2	0.38	0.27	0.07	0.04	11.40	<0.005	0.02	3.0	0.5	12.60	796	0.09	0.02
N832352		0.22	3.3	0.49	0.30	0.09	0.03	32.8	<0.005	0.02	2.3	0.8	12.10	862	0.06	0.05
N832353		2.26	36.6	1.35	1.51	0.11	0.26	5.89	0.060	0.21	8.8	0.9	0.59	274	12.00	0.01
N832354		0.66	5.8	0.55	0.38	0.08	0.07	1.96	<0.005	0.03	2.0	0.7	11.80	636	0.19	0.01
N832355		0.82	7.1	0.54	0.48	0.11	0.07	2.58	<0.005	0.04	2.4	0.7	11.75	668	0.20	0.01
N832356		0.36	3.7	0.41	0.33	0.12	0.04	1.11	<0.005	0.02	2.1	0.6	12.60	669	0.13	0.01
N832357		0.52	4.8	0.47	0.37	0.10	0.04	1.37	<0.005	0.03	2.2	1.0	12.40	753	0.11	0.02
N832358		0.45	4.5	1.16	0.39	0.08	0.05	2.13	<0.005	0.03	2.4	0.6	12.00	1080	0.12	0.02
N832359		0.31	4.5	2.23	0.42	0.09	0.05	3.24	<0.005	0.02	4.4	0.6	11.40	1560	0.20	0.02
N832360		0.43	6.5	2.47	0.45	0.09	0.06	3.67	<0.005	0.03	4.1	0.6	11.25	1660	0.28	0.01
N832361		0.43	6.4	1.43	0.47	0.08	0.05	1.95	<0.005	0.02	4.0	0.7	11.60	1770	0.05	0.01
N832362		0.62	3.2	0.48	0.31	0.07	<0.02	0.03	<0.005	0.05	0.5	1.4	12.50	222	0.35	0.01
N832363		0.27	3.4	1.62	0.34	0.07	0.04	4.36	<0.005	0.02	2.7	0.5	11.80	1400	0.13	0.01
N832364		0.31	3.4	1.20	0.38	0.07	0.05	1.80	<0.005	0.02	2.5	0.6	11.50	1240	0.12	0.01
N832365		0.16	2.2	1.81	0.30	0.07	0.02	0.77	<0.005	0.01	2.3	0.5	11.95	1310	0.06	0.02
N832366		0.11	1.7	1.39	0.30	0.07	0.02	0.41	<0.005	0.01	2.6	0.5	12.25	1190	0.07	0.02
N832367		0.10	2.0	1.12	0.32	0.08	0.02	0.30	<0.005	0.01	2.6	0.5	12.55	1120	0.06	0.02
N832368		0.12	1.5	0.45	0.09	<0.05	0.02	0.90	<0.005	0.01	1.2	0.5	11.60	913	0.05	0.02
N832369		0.17	1.9	0.63	0.12	<0.05	0.02	0.95	<0.005	0.01	1.6	0.7	11.65	1160	0.08	0.02
N832370		0.08	0.9	0.23	0.06	<0.05	<0.02	0.16	<0.005	0.01	0.7	0.4	12.15	509	0.06	0.02
N832371		0.89	4.5	1.92	0.33	<0.05	0.05	2.03	<0.005	0.04	2.5	1.7	10.85	1900	0.18	0.02

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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
N832336		0.24	<0.2	180	1.7	2.5	<0.001	0.02	0.10	0.6	0.4	<0.2	45.2	<0.01	0.01	<0.2
N832337		0.23	<0.2	430	7.7	1.4	0.001	0.03	8.63	1.1	0.5	<0.2	63.2	<0.01	0.03	0.8
N832338		<0.05	3.5	430	7.3	1.3	0.002	0.02	8.93	0.9	0.2	<0.2	57.3	<0.01	0.04	0.6
N832339		<0.05	3.0	480	34.6	1.3	0.002	0.04	13.70	1.0	0.2	0.2	56.8	<0.01	0.01	0.6
N832340		<0.05	4.4	880	20.2	1.9	0.002	0.08	6.19	1.2	0.4	<0.2	60.1	<0.01	0.03	0.9
N832341		<0.05	5.5	910	41.5	3.0	0.002	0.10	22.0	1.6	0.7	0.4	68.3	<0.01	0.03	1.4
N832342		0.18	4.2	400	30.5	1.9	0.001	0.04	22.9	1.4	0.6	0.2	65.8	<0.01	0.03	0.9
N832343		0.19	8.9	900	30.7	3.8	0.002	0.32	16.00	1.8	0.9	0.2	82.0	<0.01	0.05	1.8
N832344		0.19	8.1	700	27.4	4.3	0.001	0.10	12.05	1.7	0.7	0.3	71.1	<0.01	0.05	1.8
N832345		0.18	7.3	1240	17.5	4.3	0.001	0.13	6.40	1.7	0.8	0.2	74.9	<0.01	0.05	1.9
N832346		0.17	10.5	1200	21.6	6.3	0.001	0.19	4.74	2.1	0.9	0.3	74.4	<0.01	0.06	2.5
N832347		0.15	7.8	1030	30.2	5.0	0.001	0.04	13.70	1.7	0.8	0.7	89.1	<0.01	0.05	2.2
N832348		0.17	4.4	530	23.6	1.1	0.001	0.01	12.05	1.4	0.6	<0.2	69.8	<0.01	0.03	0.7
N832349		0.29	33.3	650	>10000	7.3	0.002	2.81	41.5	4.4	4.7	1.7	284	<0.01	0.18	2.1
N832350		0.15	2.3	280	35.7	0.7	0.001	0.01	16.00	1.0	0.6	<0.2	58.1	<0.01	0.02	0.3
N832351		0.14	2.2	330	38.8	0.8	0.001	0.01	15.05	1.1	0.5	<0.2	60.1	<0.01	0.03	0.4
N832352		0.17	2.5	280	109.0	0.5	0.001	<0.01	8.59	1.2	0.5	<0.2	134.5	<0.01	0.02	0.3
N832353		0.11	68.7	4250	4.8	16.8	0.035	1.33	5.58	5.7	9.2	0.8	132.0	0.01	0.53	4.4
N832354		0.17	3.4	330	34.4	1.5	0.001	<0.01	20.6	1.4	0.6	0.3	131.0	<0.01	0.03	0.7
N832355		0.18	6.3	550	20.4	1.8	0.001	0.01	11.05	1.3	0.7	0.2	89.5	<0.01	0.04	0.9
N832356		0.18	4.6	340	10.7	1.0	0.001	0.02	5.81	1.1	0.5	<0.2	80.7	<0.01	0.02	0.5
N832357		0.19	4.0	350	10.7	1.3	0.001	0.01	7.28	1.1	0.5	0.3	82.0	<0.01	0.03	0.6
N832358		0.19	2.4	420	16.8	1.3	0.001	0.01	15.95	1.2	0.7	<0.2	78.2	<0.01	0.03	0.6
N832359		0.19	3.7	450	17.0	0.9	0.001	0.02	15.35	1.6	0.8	<0.2	81.6	<0.01	0.04	0.5
N832360		0.19	4.3	460	32.3	1.1	0.001	0.01	31.4	1.8	1.0	0.2	99.4	<0.01	0.04	0.6
N832361		0.19	1.5	540	22.1	1.2	0.001	0.01	3.67	1.2	0.6	0.6	107.5	<0.01	0.04	0.5
N832362		0.18	6.0	180	1.4	3.6	<0.001	0.02	0.08	0.7	0.4	<0.2	42.8	<0.01	0.02	<0.2
N832363		0.19	2.6	230	14.2	0.8	<0.001	0.01	11.05	0.9	0.8	<0.2	79.7	<0.01	0.04	0.3
N832364		0.19	3.1	410	18.2	0.9	0.001	<0.01	13.20	1.0	0.6	<0.2	90.4	<0.01	0.04	0.4
N832365		0.20	2.1	360	4.1	0.4	0.001	0.02	3.09	0.6	0.6	<0.2	65.5	<0.01	0.05	0.2
N832366		0.19	1.9	260	3.2	0.4	0.001	0.04	1.83	0.5	0.6	<0.2	58.7	<0.01	0.04	0.2
N832367		0.20	2.5	260	2.4	0.4	0.001	0.03	1.22	0.5	0.5	<0.2	60.4	<0.01	0.04	<0.2
N832368		<0.05	0.3	270	3.7	0.3	<0.001	0.02	2.88	0.7	0.2	<0.2	72.0	<0.01	0.01	0.2
N832369		<0.05	0.4	290	6.9	0.5	<0.001	0.01	5.56	0.5	0.3	0.2	90.3	<0.01	0.01	0.2
N832370		<0.05	<0.2	270	1.5	0.2	<0.001	0.01	1.58	0.2	0.3	<0.2	59.6	<0.01	0.01	<0.2
N832371		<0.05	6.4	440	28.7	1.7	0.001	0.01	59.3	0.8	0.3	0.4	100.5	<0.01	0.01	0.6



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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12195699**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Zn- OG46	Pb- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Zn %	Pb %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001	0.001
N832336		<0.005	0.02	0.69	2	0.05	1.10	13	<0.5		
N832337		<0.005	1.39	2.51	3	0.07	7.58	33	1.7		
N832338		<0.005	1.26	2.00	2	0.06	6.88	35	1.7		
N832339		<0.005	1.66	2.26	2	0.06	5.99	474	1.8		
N832340		<0.005	0.74	3.51	3	0.08	7.18	208	2.6		
N832341		<0.005	0.64	3.89	4	0.16	7.18	172	3.6		
N832342		<0.005	0.55	1.98	2	0.09	4.79	153	1.7		
N832343		<0.005	0.90	3.99	4	0.12	6.82	203	3.8		
N832344		<0.005	0.51	3.39	4	0.14	5.62	159	3.8		
N832345		<0.005	0.69	4.50	3	0.10	7.18	63	4.2		
N832346		<0.005	0.92	4.74	4	0.11	7.27	113	5.9		
N832347		<0.005	0.36	4.36	4	0.16	7.63	80	4.9		
N832348		<0.005	0.13	2.79	2	0.07	6.70	54	1.8		
N832349		0.055	0.14	0.76	32	5.67	7.43	>10000	6.5	2.06	1.980
N832350		<0.005	0.05	1.81	2	0.12	5.18	57	2.0		
N832351		<0.005	0.04	1.82	2	0.22	5.39	16	2.0		
N832352		<0.005	0.04	1.40	2	0.84	5.40	19	1.5		
N832353		<0.005	6.64	4.76	78	9.45	22.5	275	12.8		
N832354		<0.005	0.10	1.88	3	0.11	6.55	135	3.5		
N832355		<0.005	0.14	2.88	2	0.09	6.84	114	2.4		
N832356		<0.005	0.11	2.22	2	0.05	5.08	33	1.3		
N832357		<0.005	0.11	1.85	2	0.06	5.23	34	1.6		
N832358		<0.005	0.08	2.13	2	0.10	6.48	45	2.4		
N832359		<0.005	0.16	3.08	3	0.07	9.02	62	2.1		
N832360		<0.005	0.18	3.02	4	0.12	10.00	83	3.3		
N832361		<0.005	0.08	2.38	3	0.11	9.11	12	2.0		
N832362		<0.005	0.02	0.71	2	0.05	0.90	13	<0.5		
N832363		<0.005	0.11	1.65	2	0.07	6.48	41	2.1		
N832364		<0.005	0.15	2.05	3	0.08	6.41	47	2.3		
N832365		<0.005	0.20	1.59	2	0.05	4.38	56	0.9		
N832366		<0.005	0.23	1.68	1	<0.05	4.68	29	0.7		
N832367		<0.005	0.15	1.76	1	<0.05	4.73	28	0.5		
N832368		<0.005	0.30	1.27	2	0.06	4.78	26	0.6		
N832369		<0.005	0.54	1.22	2	0.05	4.61	34	1.0		
N832370		<0.005	0.38	1.01	1	<0.05	3.10	14	<0.5		
N832371		<0.005	1.66	1.47	4	1.18	4.75	421	1.7		



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12195699**

<b>CERTIFICATE COMMENTS</b>	
Applies to Method:	



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12196520**

Project: CRAG EAST  
 P.O. No.: Batch 32  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

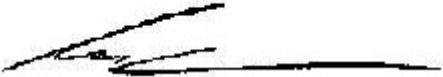
<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70%<2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85%< 75 um
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS WH12196520**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
M400770		7.66	0.002	0.01	0.01	6	<0.2	<10	<10	0.10	0.01	19.45	<0.01	0.82	0.2	<1
M400771		6.13	0.002	0.01	0.02	38	<0.2	<10	20	0.14	0.01	20.6	<0.01	1.05	0.3	<1
M400772		4.99	0.002	0.01	0.01	6	<0.2	<10	10	0.13	0.01	20.7	<0.01	1.16	0.2	<1
M400773		4.98	0.001	0.01	0.03	8	<0.2	<10	10	0.10	0.01	20.1	<0.01	3.27	0.6	<1
M400774		2.09	0.002	0.01	0.03	6	<0.2	<10	30	0.10	0.01	20.2	0.01	3.08	0.6	<1
M400775		8.62	0.002	0.04	0.13	22	<0.2	<10	50	0.13	0.03	20.1	0.01	6.47	1.6	<1
M400776		8.37	0.003	0.03	0.15	20	<0.2	<10	70	0.12	0.04	19.10	<0.01	6.58	2.1	<1
M400777		8.50	0.003	0.03	0.10	19	<0.2	<10	60	0.10	0.03	18.90	<0.01	5.33	1.9	<1
M400778		8.38	0.001	0.01	0.04	6	<0.2	<10	20	<0.05	0.01	20.8	<0.01	4.85	0.5	<1
M400779		3.27	0.001	0.01	0.03	<2	<0.2	<10	30	<0.05	0.02	20.7	0.06	1.03	0.6	<1
M400780		8.49	0.003	0.04	0.12	33	<0.2	<10	70	0.10	0.03	20.1	<0.01	5.87	1.8	<1
M400781		8.58	0.003	0.02	0.05	21	<0.2	<10	20	0.05	0.01	20.6	<0.01	4.55	0.7	<1
M400782		8.58	0.003	0.01	0.03	10	<0.2	<10	10	0.06	0.01	22.0	<0.01	4.68	0.3	<1
M400783		8.67	0.002	0.01	0.02	10	<0.2	<10	10	0.05	0.01	20.7	<0.01	5.63	0.3	<1
M400784		0.26	3.79	1.42	0.35	634	<0.2	<10	40	0.28	3.75	2.04	1.85	4.74	6.5	19
M400785		8.15	0.003	0.02	0.02	9	<0.2	<10	10	<0.05	0.01	20.4	<0.01	4.70	0.2	<1
M400786		2.45	0.001	0.01	0.02	6	<0.2	<10	<10	<0.05	0.01	20.6	<0.01	4.45	0.2	<1
M400787		4.47	0.003	0.03	0.23	41	<0.2	10	100	0.24	0.08	19.05	0.01	11.80	3.9	<1
M400788		4.97	0.002	0.01	0.03	5	<0.2	<10	10	<0.05	0.01	20.7	<0.01	4.87	0.4	<1
M400789		5.13	0.003	<0.01	0.03	5	<0.2	<10	10	<0.05	0.01	20.9	<0.01	4.14	0.3	<1
M400790		7.88	<0.001	0.01	0.03	12	<0.2	<10	10	<0.05	0.01	20.8	<0.01	2.81	0.4	<1
M400791		8.63	<0.001	0.02	0.11	20	<0.2	<10	40	0.09	0.03	20.8	<0.01	8.29	1.9	<1
M400792		8.49	0.003	0.02	0.06	21	<0.2	<10	20	0.07	0.02	21.1	<0.01	7.69	0.8	<1
M400793		8.59	0.002	0.02	0.04	18	<0.2	<10	20	0.05	0.01	20.6	<0.01	4.03	0.7	<1
M400794		8.48	0.003	0.02	0.05	27	<0.2	<10	20	0.05	0.01	21.6	<0.01	6.11	0.9	<1
M400795		8.23	0.003	0.02	0.04	21	<0.2	<10	20	0.05	0.02	22.1	<0.01	6.30	1.0	<1
M400796		<0.02	0.001	0.02	0.05	23	<0.2	<10	20	<0.05	0.02	22.4	<0.01	6.09	1.0	<1
M400797		8.51	0.002	0.02	0.06	22	<0.2	<10	20	0.06	0.02	20.6	0.01	6.42	1.5	<1
M400798		8.48	0.002	0.03	0.06	16	<0.2	<10	20	0.05	0.02	21.3	<0.01	6.39	1.4	<1
M400799		0.26	7.84	0.48	0.54	789	<0.2	10	140	0.41	0.56	11.90	4.05	18.85	5.0	28
M400800		8.38	0.004	0.15	0.10	25	<0.2	<10	30	0.09	0.03	19.95	0.48	6.90	2.0	<1
M400801		8.44	0.002	0.05	0.08	17	<0.2	<10	30	0.07	0.03	20.1	<0.01	6.87	1.3	<1
M400802		8.53	0.001	0.06	0.06	15	<0.2	<10	30	0.05	0.04	21.0	<0.01	6.06	1.2	<1
M400803		4.02	0.001	0.02	0.04	<2	<0.2	<10	20	<0.05	0.05	20.0	0.05	0.91	0.7	<1
M400804		8.48	0.005	0.04	0.11	19	<0.2	<10	320	0.11	0.09	20.2	0.01	7.19	2.2	<1
M400805		3.89	0.002	0.14	0.14	125	<0.2	<10	90	0.21	0.02	18.00	4.17	3.29	2.9	<1

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 Finalized Date: 8- SEP- 2012  
 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196520**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
M400770		<0.05	0.7	0.68	0.05	<0.05	<0.02	0.08	<0.005	<0.01	0.5	0.4	11.15	689	<0.05	0.02
M400771		0.05	0.9	0.68	0.07	<0.05	<0.02	0.14	<0.005	0.01	0.6	0.6	12.00	762	<0.05	0.02
M400772		<0.05	0.8	0.61	<0.05	<0.05	<0.02	0.05	<0.005	<0.01	0.7	0.5	11.75	737	<0.05	0.02
M400773		0.05	1.5	1.00	0.10	<0.05	<0.02	0.18	<0.005	0.01	1.9	0.6	10.90	940	0.06	0.02
M400774		0.06	1.8	1.03	0.09	<0.05	<0.02	0.20	<0.005	0.01	1.8	0.7	11.15	940	0.05	0.02
M400775		0.55	5.1	1.54	0.33	<0.05	0.08	0.65	<0.005	0.05	3.4	1.5	10.30	1240	0.10	0.02
M400776		1.68	6.0	1.53	0.40	<0.05	0.10	0.63	<0.005	0.06	3.4	1.6	9.91	1250	0.08	0.02
M400777		0.58	4.6	1.39	0.26	<0.05	0.09	0.50	<0.005	0.04	2.6	1.2	9.83	1160	0.13	0.02
M400778		0.08	1.6	1.15	0.11	<0.05	0.02	0.16	<0.005	0.01	2.6	0.6	10.60	1260	0.07	0.01
M400779		0.42	1.8	0.46	0.11	<0.05	<0.02	<0.01	<0.005	0.03	0.5	0.9	12.10	198	0.06	0.01
M400780		0.53	5.7	1.52	0.31	<0.05	0.09	0.80	<0.005	0.05	3.0	1.3	10.35	1280	0.10	0.02
M400781		0.11	2.6	1.27	0.16	<0.05	0.03	0.33	<0.005	0.02	2.2	0.7	10.25	1220	0.11	0.02
M400782		<0.05	1.3	1.27	0.10	<0.05	<0.02	0.13	<0.005	0.01	2.4	0.5	10.35	1300	0.05	0.02
M400783		<0.05	1.3	1.52	0.11	<0.05	<0.02	0.13	<0.005	0.01	3.3	0.4	10.70	1600	<0.05	0.02
M400784		1.75	70.9	2.76	1.08	<0.05	0.23	5.20	0.130	0.20	2.5	1.6	0.86	284	24.2	0.01
M400785		<0.05	1.2	1.44	0.08	<0.05	<0.02	0.09	<0.005	<0.01	2.6	0.4	11.10	1540	0.06	0.02
M400786		<0.05	1.0	1.27	0.08	<0.05	<0.02	0.09	<0.005	<0.01	2.7	0.3	10.70	1360	<0.05	0.02
M400787		2.22	9.6	1.89	0.57	<0.05	0.08	0.89	0.007	0.11	6.7	1.7	8.98	1340	0.10	0.02
M400788		0.06	1.3	1.45	0.09	<0.05	<0.02	0.13	<0.005	0.01	2.8	0.4	11.15	1480	<0.05	0.02
M400789		0.05	1.1	1.33	0.10	<0.05	<0.02	0.09	<0.005	0.01	2.3	0.4	11.55	1370	<0.05	0.02
M400790		<0.05	1.5	1.24	0.07	<0.05	<0.02	0.14	<0.005	0.01	1.7	0.5	11.10	1290	<0.05	0.02
M400791		0.72	4.6	1.45	0.29	<0.05	0.10	0.50	<0.005	0.05	4.8	1.1	9.86	1330	0.10	0.02
M400792		0.18	3.5	1.44	0.18	<0.05	0.05	0.29	<0.005	0.02	4.4	0.7	10.50	1410	0.11	0.02
M400793		0.10	2.6	1.05	0.13	<0.05	0.03	0.27	<0.005	0.01	2.5	0.7	10.85	1170	0.05	0.02
M400794		0.12	2.8	1.32	0.13	<0.05	0.03	0.30	<0.005	0.02	3.3	0.5	10.00	1220	0.05	0.01
M400795		0.15	3.1	1.32	0.15	<0.05	0.03	0.35	<0.005	0.02	3.3	0.6	9.80	1180	0.05	0.02
M400796		0.15	3.1	1.34	0.15	<0.05	0.04	0.36	<0.005	0.02	3.1	0.6	9.81	1200	0.05	0.02
M400797		0.23	4.6	1.54	0.18	<0.05	0.05	0.46	<0.005	0.03	3.3	0.7	10.30	1190	0.06	0.01
M400798		0.34	4.3	1.32	0.18	<0.05	0.06	0.43	<0.005	0.03	3.3	0.7	9.76	1090	0.06	0.01
M400799		2.40	31.7	1.37	1.31	0.05	0.10	5.54	0.055	0.25	9.6	1.3	0.57	257	10.65	0.01
M400800		0.79	6.4	1.44	0.33	<0.05	0.09	0.64	<0.005	0.05	3.4	1.0	10.10	1180	0.12	0.02
M400801		0.54	4.2	1.45	0.23	<0.05	0.08	0.36	<0.005	0.03	3.6	0.8	10.25	1260	0.07	0.02
M400802		0.30	3.4	1.41	0.19	<0.05	0.06	0.30	<0.005	0.03	3.4	0.7	10.20	1390	0.09	0.02
M400803		0.35	1.4	0.46	0.15	<0.05	<0.02	<0.01	<0.005	0.03	0.4	1.0	11.60	206	0.06	0.01
M400804		0.99	6.9	1.54	0.35	<0.05	0.12	0.57	<0.005	0.05	3.7	0.8	9.38	1330	0.08	0.02
M400805		0.14	3.4	1.45	0.42	<0.05	0.03	7.74	<0.005	0.01	2.1	2.9	10.15	1170	0.13	0.02



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 Finalized Date: 8- SEP- 2012  
 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196520**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M400770		<0.05	<0.2	180	3.1	0.1	<0.001	0.06	0.16	0.1	<0.2	<0.2	68.8	<0.01	<0.01	<0.2
M400771		<0.05	<0.2	190	2.7	0.2	<0.001	0.02	0.41	0.1	<0.2	<0.2	78.0	<0.01	0.01	<0.2
M400772		<0.05	<0.2	190	1.7	<0.1	<0.001	0.05	0.11	0.1	<0.2	<0.2	78.0	<0.01	0.01	<0.2
M400773		<0.05	1.0	180	4.0	0.3	<0.001	0.15	0.55	0.3	<0.2	<0.2	80.4	<0.01	<0.01	<0.2
M400774		<0.05	0.9	190	4.2	0.3	0.001	0.18	0.47	0.3	<0.2	<0.2	82.4	<0.01	0.01	0.2
M400775		<0.05	3.0	530	14.1	1.5	<0.001	0.63	1.69	1.0	0.5	<0.2	65.2	<0.01	0.02	0.9
M400776		<0.05	3.8	440	11.5	2.0	<0.001	0.56	1.37	1.1	0.2	0.2	72.6	<0.01	0.04	1.1
M400777		<0.05	3.2	540	9.0	1.2	<0.001	0.41	0.94	0.8	<0.2	0.2	59.7	<0.01	0.02	0.8
M400778		<0.05	0.7	320	2.2	0.3	<0.001	0.07	0.28	0.3	<0.2	<0.2	57.5	<0.01	0.02	0.2
M400779		<0.05	1.1	180	1.3	1.8	<0.001	0.01	<0.05	0.2	0.2	<0.2	43.2	<0.01	<0.01	<0.2
M400780		<0.05	3.5	560	11.6	1.5	<0.001	0.46	1.37	1.0	<0.2	<0.2	64.4	<0.01	0.02	1.0
M400781		<0.05	1.4	540	5.7	0.5	<0.001	0.17	0.66	0.3	0.3	<0.2	60.6	<0.01	0.02	0.3
M400782		<0.05	<0.2	400	5.1	0.2	<0.001	0.09	0.37	0.1	<0.2	<0.2	61.0	<0.01	0.01	<0.2
M400783		<0.05	<0.2	380	2.2	0.2	<0.001	0.06	0.25	0.1	<0.2	<0.2	39.5	<0.01	0.01	<0.2
M400784		<0.05	70.9	830	19.2	12.7	0.036	1.89	8.81	2.9	5.5	1.9	30.8	<0.01	0.76	1.9
M400785		<0.05	<0.2	370	1.7	0.1	<0.001	0.04	0.22	0.1	<0.2	<0.2	31.9	<0.01	<0.01	<0.2
M400786		<0.05	<0.2	310	1.6	0.1	<0.001	0.02	0.18	0.1	<0.2	<0.2	36.1	<0.01	0.01	<0.2
M400787		<0.05	7.6	310	12.3	3.5	<0.001	0.83	1.23	2.8	0.2	0.2	67.5	<0.01	0.05	2.1
M400788		<0.05	<0.2	260	1.7	0.3	<0.001	0.05	0.21	0.5	<0.2	<0.2	34.3	<0.01	0.01	0.2
M400789		<0.05	<0.2	370	1.5	0.3	<0.001	0.05	0.16	0.2	<0.2	<0.2	32.7	<0.01	0.01	<0.2
M400790		<0.05	0.2	280	2.0	0.2	<0.001	0.08	0.19	0.2	<0.2	<0.2	41.9	<0.01	0.01	<0.2
M400791		<0.05	3.1	510	6.1	1.6	<0.001	0.33	0.81	1.1	0.2	<0.2	57.6	<0.01	0.03	1.0
M400792		<0.05	1.8	740	4.5	0.7	0.001	0.14	0.62	0.6	<0.2	<0.2	49.9	<0.01	0.01	0.5
M400793		<0.05	1.0	230	3.9	0.4	<0.001	0.14	0.46	0.4	0.2	<0.2	47.9	<0.01	0.02	0.3
M400794		<0.05	1.3	270	4.7	0.5	<0.001	0.18	0.54	0.7	0.2	<0.2	67.0	<0.01	0.02	0.4
M400795		<0.05	1.3	230	5.9	0.6	<0.001	0.24	0.77	0.6	<0.2	<0.2	72.8	<0.01	0.01	0.4
M400796		<0.05	1.4	230	5.9	0.5	<0.001	0.24	0.74	0.6	0.2	<0.2	71.6	<0.01	0.01	0.4
M400797		<0.05	2.4	310	11.8	0.8	<0.001	0.58	1.49	0.8	<0.2	<0.2	57.0	<0.01	0.01	0.6
M400798		<0.05	2.2	300	10.1	0.9	<0.001	0.48	1.49	0.7	<0.2	<0.2	60.1	<0.01	0.02	0.6
M400799		<0.05	61.2	4240	4.4	17.8	0.035	1.31	5.25	5.1	7.0	0.8	130.5	<0.01	0.54	3.9
M400800		<0.05	3.7	440	12.9	1.4	0.001	0.59	1.67	1.0	0.5	0.2	63.2	<0.01	0.02	1.0
M400801		<0.05	2.1	400	7.3	1.0	<0.001	0.30	1.04	0.8	<0.2	<0.2	54.9	<0.01	0.01	0.8
M400802		<0.05	2.1	340	5.6	0.8	0.001	0.22	0.80	0.8	<0.2	<0.2	53.6	<0.01	0.03	0.6
M400803		<0.05	1.6	190	1.3	1.9	0.001	0.01	<0.05	0.3	<0.2	<0.2	38.3	<0.01	<0.01	<0.2
M400804		<0.05	4.4	300	9.9	1.6	0.001	0.45	1.78	1.3	<0.2	0.2	59.3	<0.01	0.10	1.1
M400805		<0.05	8.8	340	262	0.6	0.001	0.06	124.0	1.6	<0.2	0.2	153.5	<0.01	0.01	0.4

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



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196520**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
M400770		<0.005	0.07	1.25	<1	<0.05	1.20	<2	<0.5
M400771		<0.005	0.06	1.48	<1	0.05	1.50	6	<0.5
M400772		<0.005	0.06	1.44	<1	<0.05	1.48	<2	<0.5
M400773		<0.005	0.10	1.28	1	<0.05	2.56	2	0.5
M400774		<0.005	0.10	1.41	1	<0.05	2.58	9	0.5
M400775		<0.005	0.26	1.94	2	0.07	4.71	6	2.2
M400776		<0.005	0.29	1.64	2	0.06	4.23	4	3.1
M400777		<0.005	0.22	2.36	2	0.08	3.89	3	2.6
M400778		<0.005	0.08	1.36	1	<0.05	3.78	2	0.6
M400779		<0.005	<0.02	0.53	1	<0.05	0.76	13	<0.5
M400780		<0.005	0.29	2.19	2	0.08	4.57	4	2.7
M400781		<0.005	0.14	2.48	1	0.05	5.32	2	1.1
M400782		<0.005	0.07	2.06	<1	<0.05	5.88	<2	<0.5
M400783		<0.005	0.05	2.14	<1	<0.05	4.48	2	<0.5
M400784		<0.005	2.35	1.81	63	2.43	6.64	141	6.9
M400785		<0.005	0.11	2.03	<1	<0.05	3.35	2	<0.5
M400786		<0.005	0.03	1.25	<1	<0.05	3.47	2	<0.5
M400787		<0.005	0.33	0.58	4	0.08	5.87	6	2.4
M400788		<0.005	0.05	1.13	1	<0.05	3.29	2	<0.5
M400789		<0.005	0.04	1.38	1	<0.05	2.79	<2	<0.5
M400790		<0.005	0.05	1.37	1	<0.05	2.72	2	<0.5
M400791		<0.005	0.20	2.21	2	0.08	5.54	3	2.8
M400792		<0.005	0.11	3.02	2	0.05	5.59	2	1.6
M400793		<0.005	0.10	1.88	1	<0.05	3.30	3	0.9
M400794		<0.005	0.11	1.81	1	0.06	4.60	2	1.2
M400795		<0.005	0.14	1.92	1	0.06	4.81	2	1.3
M400796		<0.005	0.14	1.98	1	0.07	4.57	2	1.3
M400797		<0.005	0.21	2.54	2	0.07	4.85	2	1.8
M400798		<0.005	0.21	2.09	2	0.06	5.02	2	1.9
M400799		<0.005	6.56	4.13	90	9.79	22.3	267	6.2
M400800		<0.005	0.26	2.67	2	0.09	5.97	157	3.0
M400801		<0.005	0.14	2.28	2	0.05	5.14	4	2.1
M400802		<0.005	0.11	1.79	2	0.06	4.40	5	1.9
M400803		<0.005	<0.02	0.45	2	<0.05	0.70	12	<0.5
M400804		<0.005	0.20	2.93	2	0.06	5.53	6	4.1
M400805		<0.005	1.54	1.54	7	0.21	3.72	1240	1.1



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Project: CRAG EAST

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**CERTIFICATE OF ANALYSIS WH12196520**

**CERTIFICATE COMMENTS**

Applies to Method:



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**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12196521**

Project: CRAG EAST  
 P.O. No.: Batch 35  
 This report is for 31 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 21- AUG- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

<b>SAMPLE PREPARATION</b>	
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
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate
LOG- 23	Pulp Login - Rcvd with Barcode

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196521**

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M400842		7.47	0.003	0.12	0.01	50	<0.2	<10	10	0.10	0.01	17.75	0.02	0.72	0.9	<1
M400843		7.80	0.001	0.02	0.01	57	<0.2	<10	10	0.09	0.01	18.15	0.03	0.61	1.0	<1
M400844		7.48	0.001	0.12	0.01	39	<0.2	<10	10	0.08	0.01	18.40	0.28	0.63	0.6	<1
M400845		7.51	0.002	0.02	0.01	60	<0.2	<10	10	0.09	0.01	18.80	8.41	0.59	0.8	<1
M400846		0.26	7.81	0.45	0.48	800	<0.2	10	140	0.42	0.62	12.00	3.97	17.30	5.1	28
M400847		4.21	0.005	0.03	0.02	73	<0.2	<10	10	0.08	0.01	18.95	1.45	0.62	1.3	<1
M400848		4.14	0.001	0.04	0.01	43	<0.2	<10	10	0.07	0.01	18.50	0.12	0.53	1.4	<1
M400849		7.68	0.002	0.32	0.02	72	<0.2	<10	10	0.10	0.01	19.20	5.58	0.72	1.5	<1
M400850		6.77	0.001	0.42	0.05	111	<0.2	<10	90	0.15	0.01	20.1	3.21	2.51	2.0	<1
M400851		<0.02	0.001	0.44	0.05	107	<0.2	<10	90	0.15	0.01	19.95	3.29	2.48	2.0	<1
M400852		4.61	0.003	0.11	0.04	95	<0.2	<10	30	0.09	0.01	20.2	0.67	1.79	1.7	<1
M400853		4.21	0.002	0.18	0.04	71	<0.2	<10	50	0.14	0.01	19.80	1.02	2.18	1.9	<1
M400854		8.17	0.002	0.11	0.05	107	<0.2	<10	50	0.14	0.01	20.0	1.36	2.52	1.7	<1
M400855		7.91	0.001	0.12	0.04	148	<0.2	<10	30	0.14	0.01	19.35	5.91	1.81	1.4	<1
M400856		5.47	0.002	0.04	0.03	90	<0.2	<10	30	0.11	0.01	19.30	0.46	1.15	1.3	<1
M400857		8.44	0.001	0.23	0.03	79	<0.2	<10	30	0.15	0.01	19.35	6.65	1.75	2.5	<1
M400858		2.50	0.002	0.04	0.02	45	<0.2	<10	20	0.17	0.01	19.05	1.30	1.99	1.3	<1
M400859		1.15	0.003	0.03	0.02	55	<0.2	<10	20	0.15	0.01	19.45	1.51	1.99	1.3	<1
M400860		7.49	0.001	0.05	0.03	40	<0.2	<10	20	0.13	0.01	19.55	2.46	1.69	1.3	<1
M400861		8.17	0.001	0.06	0.04	65	<0.2	<10	40	0.12	0.01	20.1	3.83	2.15	2.1	<1
M400862		7.78	<0.001	0.02	0.03	62	<0.2	<10	20	0.09	0.01	18.40	1.55	1.02	1.0	<1
M400863		8.26	0.003	0.06	0.08	50	<0.2	<10	120	0.13	0.02	19.90	1.00	4.06	2.0	<1
M400864		0.26	3.85	1.49	0.33	657	<0.2	<10	40	0.29	4.17	2.04	1.84	4.74	7.1	20
M400865		7.55	0.004	0.04	0.06	48	<0.2	<10	80	0.15	0.02	20.1	0.47	1.96	2.3	<1
M400866		7.41	0.002	0.01	0.05	37	<0.2	<10	50	0.14	0.01	19.80	0.33	1.57	1.6	<1
M400867		7.37	0.001	0.01	0.06	42	<0.2	<10	80	0.12	0.01	20.0	0.34	1.88	1.4	<1
M400868		4.72	0.002	0.01	0.03	<2	<0.2	<10	10	<0.05	0.03	19.45	0.06	0.97	0.6	<1
M400869		4.96	0.001	0.01	0.03	27	<0.2	<10	40	0.12	0.01	19.65	0.74	1.16	0.7	<1
M400870		3.03	0.002	0.01	0.03	26	<0.2	<10	40	0.15	0.01	19.20	0.36	1.19	0.7	<1
M400871		7.39	0.001	0.02	0.05	52	<0.2	<10	70	0.18	0.01	19.60	1.20	2.19	1.1	<1
M400872		3.55	0.002	0.01	0.10	2	<0.2	<10	30	0.07	0.04	19.50	0.07	1.01	0.7	<1

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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196521**

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
M400842		<0.05	1.8	0.70	0.06	<0.05	<0.02	0.35	<0.005	<0.01	0.4	0.5	10.40	750	0.06	0.02
M400843		<0.05	1.3	0.87	0.06	<0.05	<0.02	1.17	<0.005	<0.01	0.4	0.5	10.60	796	0.08	0.02
M400844		<0.05	2.8	0.61	<0.05	<0.05	<0.02	0.67	<0.005	<0.01	0.4	0.5	10.80	852	0.09	0.02
M400845		<0.05	1.2	0.67	0.08	<0.05	<0.02	9.82	<0.005	<0.01	0.4	0.5	10.95	1340	0.06	0.02
M400846		2.22	29.8	1.38	1.34	0.06	0.24	5.53	0.058	0.22	9.5	1.1	0.57	265	11.20	0.01
M400847		0.06	1.0	0.85	0.06	<0.05	<0.02	1.32	<0.005	<0.01	0.4	0.5	11.05	1050	0.07	0.02
M400848		<0.05	1.1	0.71	<0.05	<0.05	<0.02	0.49	<0.005	<0.01	0.3	0.5	10.85	809	0.06	0.02
M400849		0.07	1.3	0.83	0.08	<0.05	<0.02	4.35	<0.005	<0.01	0.4	0.5	11.15	1090	0.07	0.03
M400850		0.27	2.0	0.99	0.18	<0.05	0.02	2.98	<0.005	0.01	1.7	0.7	11.50	988	0.09	0.03
M400851		0.26	1.9	0.98	0.16	<0.05	0.03	2.98	<0.005	0.01	1.6	0.7	11.45	994	0.10	0.03
M400852		0.19	2.0	0.70	0.11	<0.05	<0.02	1.00	<0.005	0.01	1.2	0.6	11.65	814	0.06	0.03
M400853		0.20	2.0	0.86	0.12	<0.05	0.02	1.21	<0.005	0.01	1.6	0.6	11.35	936	0.07	0.02
M400854		0.23	2.1	0.74	0.16	<0.05	0.03	1.59	<0.005	0.01	1.8	0.6	11.50	849	0.08	0.03
M400855		0.17	1.6	0.69	0.16	<0.05	0.02	5.77	<0.005	0.01	1.3	0.6	11.10	883	0.06	0.02
M400856		0.11	1.4	0.56	0.09	<0.05	<0.02	0.94	<0.005	0.01	0.8	0.4	11.20	759	0.07	0.02
M400857		0.09	2.0	1.51	0.13	<0.05	<0.02	5.42	<0.005	0.01	1.3	0.5	11.15	1280	0.07	0.02
M400858		<0.05	1.0	1.10	0.08	<0.05	<0.02	1.41	<0.005	<0.01	1.5	0.5	10.90	1130	0.05	0.02
M400859		<0.05	1.6	1.13	0.09	<0.05	<0.02	1.67	<0.005	<0.01	1.5	0.5	11.15	1150	0.05	0.02
M400860		0.07	1.2	0.98	0.10	<0.05	<0.02	2.56	<0.005	<0.01	1.3	0.5	11.20	1070	0.05	0.02
M400861		0.12	1.7	1.09	0.16	<0.05	<0.02	4.23	<0.005	0.01	1.5	0.6	11.40	1030	0.08	0.02
M400862		0.07	1.4	0.69	0.08	<0.05	<0.02	2.08	<0.005	<0.01	0.7	0.5	10.60	856	0.06	0.02
M400863		0.42	3.0	0.64	0.22	<0.05	0.04	2.01	<0.005	0.02	2.8	0.7	11.35	731	0.11	0.03
M400864		1.66	73.2	2.83	1.25	<0.05	0.23	5.43	0.142	0.19	2.5	1.7	0.86	299	27.0	0.01
M400865		0.24	1.9	1.04	0.15	<0.05	0.03	1.07	<0.005	0.01	1.2	0.6	11.40	1150	0.11	0.03
M400866		0.24	1.4	0.92	0.13	<0.05	0.02	0.76	<0.005	0.01	1.1	0.6	11.30	1130	0.08	0.02
M400867		0.22	1.5	0.82	0.13	<0.05	0.02	1.05	<0.005	0.01	1.3	0.5	11.40	1030	0.08	0.02
M400868		0.19	1.6	0.45	0.11	<0.05	<0.02	<0.01	<0.005	0.02	0.5	0.8	11.25	203	0.05	0.01
M400869		0.06	1.0	0.65	0.10	<0.05	<0.02	1.38	<0.005	0.01	0.8	0.5	11.25	1300	<0.05	0.02
M400870		0.07	1.4	0.66	0.10	<0.05	<0.02	1.49	<0.005	0.01	0.9	0.6	11.05	1070	0.08	0.02
M400871		0.15	1.5	1.03	0.17	<0.05	0.02	6.29	<0.005	0.01	1.6	0.5	11.00	1500	0.11	0.02
M400872		1.69	1.6	0.46	0.50	<0.05	<0.02	0.01	<0.005	0.08	0.5	2.1	11.30	198	0.11	0.01





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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196521**

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M400842		<0.05	3.2	130	3.8	0.1	0.001	0.16	45.4	1.7	<0.2	0.4	77.1	<0.01	<0.01	<0.2
M400843		<0.05	3.3	140	6.0	0.1	0.001	0.40	19.00	1.9	<0.2	0.2	65.9	<0.01	<0.01	<0.2
M400844		<0.05	2.1	160	12.4	0.1	0.001	0.17	19.65	1.9	<0.2	0.3	69.6	<0.01	<0.01	<0.2
M400845		<0.05	2.6	170	257	0.1	0.001	0.29	359	1.5	<0.2	0.2	68.5	<0.01	<0.01	<0.2
M400846		<0.05	58.8	4280	5.1	15.5	0.035	1.32	6.43	4.8	7.6	0.9	125.5	<0.01	0.51	3.7
M400847		<0.05	4.8	190	88.6	0.1	0.001	0.33	115.5	1.8	<0.2	<0.2	74.9	<0.01	0.01	<0.2
M400848		<0.05	5.3	160	22.9	0.1	0.001	0.17	37.3	1.4	<0.2	0.2	66.9	<0.01	<0.01	<0.2
M400849		<0.05	5.1	170	207	0.1	0.001	0.30	254	1.9	<0.2	0.2	81.9	<0.01	<0.01	<0.2
M400850		<0.05	6.7	320	146.5	0.5	0.001	0.34	180.0	1.9	<0.2	0.2	126.0	<0.01	0.01	0.2
M400851		<0.05	6.9	310	150.0	0.5	0.001	0.33	191.5	1.9	0.2	0.2	122.0	<0.01	<0.01	0.2
M400852		<0.05	7.0	260	24.2	0.3	0.001	0.23	29.1	1.9	<0.2	0.2	80.6	<0.01	<0.01	<0.2
M400853		<0.05	7.1	280	54.1	0.4	0.001	0.30	64.7	2.2	0.2	0.2	100.5	<0.01	<0.01	0.2
M400854		<0.05	6.4	260	51.1	0.5	0.001	0.34	66.2	2.0	0.3	0.2	100.5	<0.01	<0.01	0.2
M400855		<0.05	5.4	270	357	0.3	0.002	0.33	480	1.5	<0.2	0.2	79.7	<0.01	<0.01	<0.2
M400856		<0.05	5.6	240	24.7	0.2	0.001	0.15	31.0	1.2	<0.2	0.2	78.5	<0.01	0.01	<0.2
M400857		<0.05	12.7	310	306	0.2	0.001	0.93	414	1.5	0.2	0.3	87.0	<0.01	<0.01	<0.2
M400858		<0.05	4.4	270	43.8	0.1	0.001	0.30	56.1	1.4	<0.2	<0.2	93.4	<0.01	<0.01	<0.2
M400859		<0.05	4.6	280	43.4	0.1	0.002	0.34	55.3	1.5	<0.2	0.2	96.6	<0.01	<0.01	<0.2
M400860		<0.05	5.0	260	77.7	0.2	0.002	0.22	104.0	1.3	<0.2	0.2	93.1	<0.01	<0.01	<0.2
M400861		<0.05	10.0	340	98.8	0.3	0.001	0.49	128.5	2.1	<0.2	0.2	87.6	<0.01	<0.01	<0.2
M400862		<0.05	3.5	180	68.0	0.2	0.001	0.27	85.9	2.1	<0.2	0.2	91.1	<0.01	<0.01	<0.2
M400863		<0.05	7.3	560	43.3	0.9	0.001	0.28	56.2	2.0	0.3	0.2	119.5	<0.01	0.01	0.4
M400864		0.05	68.8	840	20.5	12.3	0.041	1.95	10.55	3.0	6.0	2.3	31.7	<0.01	0.82	1.9
M400865		<0.05	11.5	340	11.6	0.6	0.001	0.25	14.40	1.9	<0.2	0.2	120.5	<0.01	0.01	0.2
M400866		<0.05	6.9	220	9.4	0.4	0.001	0.19	10.65	1.7	0.3	0.2	92.1	<0.01	0.01	<0.2
M400867		<0.05	6.7	260	33.6	0.5	0.001	0.32	44.7	1.9	<0.2	0.2	93.5	<0.01	0.01	0.2
M400868		<0.05	1.4	160	1.5	1.0	0.001	<0.01	0.49	0.2	<0.2	<0.2	40.9	<0.01	<0.01	<0.2
M400869		<0.05	4.1	210	25.3	0.2	0.001	0.19	30.9	1.6	<0.2	<0.2	124.0	<0.01	<0.01	<0.2
M400870		<0.05	3.6	160	18.3	0.2	0.001	0.13	22.0	1.7	<0.2	0.2	110.5	<0.01	<0.01	<0.2
M400871		<0.05	5.8	280	14.9	0.5	0.002	0.33	13.65	1.8	0.2	0.2	138.0	<0.01	<0.01	<0.2
M400872		0.22	1.4	160	1.8	7.4	0.001	<0.01	0.57	0.4	<0.2	0.2	39.6	<0.01	<0.01	<0.2

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



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 Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196521**

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
M400842		<0.005	0.42	0.90	3	0.48	2.75	94	<0.5
M400843		<0.005	1.20	0.94	3	0.08	3.20	75	<0.5
M400844		<0.005	0.40	0.94	3	0.42	2.64	96	<0.5
M400845		<0.005	0.59	0.93	3	0.05	2.80	2470	<0.5
M400846		<0.005	6.41	3.95	84	10.05	21.4	273	9.6
M400847		<0.005	0.85	0.87	3	<0.05	3.19	317	<0.5
M400848		<0.005	0.77	0.89	2	<0.05	3.05	125	<0.5
M400849		<0.005	1.30	1.02	4	<0.05	3.55	1590	<0.5
M400850		<0.005	1.66	1.61	4	0.05	4.41	1060	0.8
M400851		<0.005	1.57	1.53	4	0.05	4.29	1120	0.8
M400852		<0.005	0.80	1.38	4	<0.05	3.72	240	0.6
M400853		<0.005	0.79	1.59	4	<0.05	4.79	300	0.7
M400854		<0.005	1.00	1.68	4	0.05	4.61	354	1.0
M400855		<0.005	1.32	1.56	3	<0.05	4.29	1730	0.6
M400856		<0.005	0.57	1.39	2	<0.05	3.52	159	<0.5
M400857		<0.005	1.16	1.45	3	0.05	5.12	1850	0.5
M400858		<0.005	0.51	1.53	3	<0.05	4.39	372	<0.5
M400859		<0.005	0.62	1.59	3	<0.05	4.49	390	<0.5
M400860		<0.005	0.41	1.36	3	<0.05	3.66	779	<0.5
M400861		<0.005	1.13	1.81	5	<0.05	5.30	1110	0.6
M400862		<0.005	0.67	1.32	5	<0.05	3.44	451	0.5
M400863		<0.005	0.81	2.62	5	0.06	5.92	288	1.3
M400864		<0.005	2.42	1.83	63	2.57	6.64	145	7.8
M400865		<0.005	0.61	1.81	5	<0.05	4.74	161	0.8
M400866		<0.005	0.54	1.38	4	<0.05	3.89	131	0.6
M400867		<0.005	0.69	1.59	5	<0.05	4.64	119	0.7
M400868		<0.005	<0.02	0.78	1	<0.05	0.71	14	<0.5
M400869		<0.005	0.34	1.23	3	<0.05	4.34	236	<0.5
M400870		<0.005	0.28	1.27	4	<0.05	3.19	179	<0.5
M400871		<0.005	0.67	1.71	6	<0.05	5.70	714	0.7
M400872		<0.005	0.05	0.39	2	<0.05	0.73	16	<0.5



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Account: MTT

Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12196521**

**CERTIFICATE COMMENTS**

Applies to Method:



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**Finalized Date: 6- SEP- 2012**  
**This copy reported on**  
**19- JUN- 2013**  
**Account: MTT**

**CERTIFICATE WH12207420**

Project: CRAG EAST  
 P.O. No.: Batch 26  
 This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 4- SEP- 2012.  
 The following have access to data associated with this certificate:  
 SARAH DRECHSLER                      JOAN MARIACHER

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **STRATEGIC METALS LTD.**  
**ATTN: ALS MINERALS**

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.

Comments: \*\*RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12191997\*\*

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CRAG EAST

**CERTIFICATE OF ANALYSIS WH12207420**

Sample Description	Method Analyte Units LOR	Au- ICP21 Au ppm 0.001
M400626		0.001
M400627		0.001
M400628		0.001
M400629		0.001
M400630		<0.001
M400631		0.001
M400632		0.001
M400633		0.002
M400634		0.001
M400635		0.001
M400636		0.001
M400637		0.001
M400638		0.001
M400639		0.001
M400640		0.001
M400641		0.001
M400642		0.001
M400643		0.001
M400644		0.212
M400645		0.001
M400646		0.001
M400647		0.001
M400648		0.001
M400649		0.001
M400650		0.001
M400651		0.001
M400652		0.001
M400653		0.001
M400654		<0.001
M400655		0.001
M400656		0.002
M400657		0.001
M400658		0.089
M400659		0.002
M400660		0.001
M400661		0.001

Comments: \*\*RE- ASSAY RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE WH12191997\*\*

**APPENDIX V**  
**GEOLOGICAL AND GEOTECHNICAL LOGS**

# CRAG EAST

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		619144.287	7107845.626	865.825	169.16

**ZONE:** Shiraz

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-07

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	2	-51	Compass	121.92	6.1	-50.1	Ranger Survey
15.24	2.9	-51.3	Ranger Survey	152.40	7.3	-49.7	Ranger Survey
60.96	2.8	-51.3	Ranger Survey	167.64	7.4	-49.4	Ranger Survey
91.44	4.9	-50.8	Ranger Survey				

**CLAIM:** Crag 487 (Crag East 1)

Contractor: Beaudoin

Drill: JKS 300

Core size: NTW Reduced at: \_\_\_\_\_ (m)

Casing depth: 18.23 (m) in / **out**

Drilling dates: \_\_\_\_\_ 27/6/12-2/6/12

**TARGET:** Deeper cut on surface mineralized zone between overlying clastic and underlying LST

Geology logged by: T. Belgrano, K. Unger

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	7.79	7.79	OVB	Overburden, soils.
7.79	128.02	120.23	SHL	Dark grey, often sooty, pyritic, laminated shale.
128.02	129.05	1.03	CLY	Grey and yellow clays and blocks of limestone.
129.05	134.11	5.06	VN	Coarse grained white calcite veining
134.11	149.35	15.24	MBL	White to orange, strongly MBL altered carbonate
149.35	151.34	1.99	MX	Semi-massive sulphides in silca and clay matrix
151.34	169.16	17.82	LST	Variably silicified fossiliferous limestone.

SAMPLES
Numbers: <u>N833690 - N833754</u>
Total: <u>88</u>
Batch: <u>1,2,3.</u>
Date Sent: <u>July 5, 2012</u>
Certificate: <u>WH12158544, WH12158545, WH12157369</u>

COMMENTS

## CRAG EAST

Hole: CE-12-07

Logger Name: T. Belgrano

Date: 29/6/12

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION			MINERALS				Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar			Other	
														Type	Intensity					Type	Conc. (%)
0.00	7.79	7.79					OVB														Overburden, non-cohesive, poorly sorted, clay supported gravels.
7.79	128.02	120.23					SLT	VFG	DK	GY BL	LA SH			CLY	3	1.00					Dark grey to sooty black laminated siltstone with metre scale shear zones. Shear zones generally exhibit brittle deformation with moderate quartz veinletting. Core is generally soft to moderately competent with intervals of broken, clay altered core, altering to sooty, black clay. Occasional brown clay (soil?) infills fractures in upper 25m of core. Graphitic joint surfaces, <1 mm thick are common with occasional ~1 mm thick blue-white talc mineralization on joints surfaces. Occasional blebs/ spherical to lenticular blocks of fine to medium grained pyrite are up to 60 mm wide, but generally 2-30 mm in size, and are associated with clay alteration and shear zones. Rare (1 observed) sphalerite rip up clasts(?) / blocks in possible shear zone, 30 mm long.
			53.54	55.05	1.51		SLT	VFG	DK	GY	SH VT					2.00					Lithology as general, however, this section is moderately-intensely, brittly sheared with strong, invariably truncated quartz veinletting. Pyrite mineralization and graphitic joint surfaces as typical but slightly more abundant.
			59.53	65.98	6.45		SLT	VFG	DK	GY	LA					5.00					Lithology as general, however, this section is moderately to intensely, brittly to ductile brittly, sheared and with strong, invariably truncated quartz veinletting. Undulate, fine grained pyrite veins <2 cm thick comprise ~5% of core.
			100.58	102.00	1.42		SLT	VFG	DK	GY	LA VT					3.00	Sp Tc	2.00 1.00			Lithology as general, however, lightly sheared with canted block sets, with offsets 1-2 cm. Veinlets of quartz and sphalerite, <1 mm width, are present, sphalerite totally replaces(?) quartz in occasional veinlets. Occasional pyrite veinlets/replacement laminations are also seen, and occasional truncated talc veinlets.
128.02	130.58	2.56					CLY	VFG	MD	GY	VN	3		CLY	5					x	Intensely clay altered, oxidized, variably grey-green-orange carbonate, relict fabric weak bedding and moderate mm scale veining. Core is mostly altered to soft clay with <1-2 mm calcite and limestone grains comprising 5% of core. Where core is green-orange it appears oxidized (possibly clay altered with arsenic oxide?). One 30 cm section of competent, calcite vein and vein brecciated limestone is set against coarse grained, large calcite vein at base of section.
							LST	CG	MD	GN	BD										
			128.02	129.05	1.03		LST	CG	DK	GY				CLY	4		Ca	20.00			Non-cohesive, poorly sorted, coarse grained (generally <1 mm) sand. Material is highly calcareous, predominantly composed of sand and clay. Driller reports up to 0.5 m not recovered.



### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other			
														Type	Intensity			Type			Conc. (%)
130.58	149.35	18.77					VN	CG FG	LT	WH OR	XT BN							Ca	90.00		Light grey to green-white to orange-white calcite vein. Occasional beds <1 m thick, of relict, grey, heavily calcite veined limestone. Minor limonitic alteration on fracture surfaces leaves <5 mm thick crumbly core. Multiple crosscutting sets of black, <1-4 mm stylolitic, calcareous veinlets are seen throughout. With depth, core appears rusty white-orange from oxidation. Limonite alteration is blotchy to veinlets and is fracture associated, often appearing laminated in rusty orange core.
149.35	151.34	1.99					VN	VFG CG	DK LT LT	GY PU GN	BD				CLY	5				x	Dark grey to dull brassy yellow to light purple and light green, semi-massive sulphide vein in silica and clay matrix. Core comprised of 40% clay, 60% dark grey to dark brassy yellow granular sulphides and silica matrix. Some poor relict, brecciated, vein textures are present, with lenticular to ovoid clasts of sulphides <1.6 cm in size supported in a silica and clay matrix. Core becomes dark grey to dark brassy yellow and competent low in section with cherty silicification (sparks on hammer blows). Core is calcareous throughout.
151.34	169.16	17.82					LST	VFG CG	MD LT	GY GY	BD				CLY SIL	1 3	0.01				Dark grey to white, fine to medium grained well sorted, fossiliferous limestones with intermittent bands of strong silicification. Fossiliferous beds have sharp upper contacts and distinct downwards fining over generally ~1m beds, w fine grained, well sorted intervals. Where most fossiliferous, core is crinoid packstone, made of white <1mm-3mm wide, crinoid stem fragments. Matrix is dark grey, fine grained limey muds. Limestone beds generally moderately cut by calcite vein and veinlets, often truncated/ brittlely sheared. Fracture surfaces sub parallel to bedding, generally on calcite veinlets./ calcitic (1mm thick). Silicification is variable in strength and occurrence, present in bands up to 70 cm thick, obscuring relict fossil textures where silicification is strongest. Occasional cherty silicification is seen along veinlets and fractures. Rare, coarse crystalline pyrite and calcite veinlets are seen scattered throughout.
	EOH																				EOH, past prospective vein and well into fossiliferous limestone, hole terminated.



**CRAG EAST**

**Hole: CE-12-07**

**Logger N. Belgrano**

**Date: June 27 2012**

2° Structure Type	From (m)	To (m)	Attitude (TCA)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
FR	8.80	22.00	20.00	10.00	10.00	Py	5.00	Fracture set cutting primary structure, occasional brown clay or thin, fine grained pyrite infill.	
FR	102.72	108.88	75.00	180.00	100.00			Fracture set cutting bedding, surfaces often stepped, graphitic.	
FR	132.63	149.05	45.00	180.00	30.00			Fracture set orthombic to bedding.	
VT	154.25	169.12	30.00	90.00	100.00	CA	100.00	Calcite veinlet set, variably <1-5 mm thick.	



# CRAG EAST

Hole: CE-12-07

Date: June 27, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
7.71	9.75	2.04	2.00	98	N833690	1					5.0
9.75	12.19	2.44	1.53	63	N833691	1					4.0
12.19	14.02	1.83	1.60	87	N833692	1					4.0
14.02	15.24	1.22	1.22	100	N833693	1					3.5
15.24	17.07	1.83	1.62	89	N833694	1					4.5
17.07	18.29	1.22	1.21	99	N833695	1					3.5
18.29	19.81	1.52	1.52	100	N833696	1					3.5
19.81	22.86	3.05	2.54	83	N833697	1					7.5
22.86	25.91	3.05	2.40	79	N833698	1					6.0
		0.00		####	N833699	1				Standard ME-6	0.3
25.91	27.43	1.52	1.12	74	N833700	1					3.0
27.43	30.48	3.05	2.81	92	N833701	1					8.5
30.48	33.22	2.74	2.40	88	N833702	1					6.5
33.22	35.05	1.83	1.59	87	N833703	1					4.5
35.05	37.19	2.14	1.52	71	N833704	1					4.0
37.19	38.40	1.21	1.14	94	N833705	1					3.0
38.40	40.54	2.14	1.57	73	N833706	1					3.6
40.54	42.67	2.13	2.09	98	N833707	1					5.2
		0.00		####	N833708	1				Coarse reject	0.0
42.67	44.20	1.53	1.43	93	N833709	1					4.0
44.20	47.24	3.04	2.60	86	N833710	1					7.0
47.24	50.29	3.05	2.60	85	N833711	1					8.0
		0.00		####	N833712	1				Blank	4.5
50.29	53.34	3.05	2.86	94	N833713	1					8.0
53.34	56.39	3.05	2.81	92	N833714	1					7.5
56.39	58.52	2.13	1.82	85	N833715	1					5.0
58.52	60.96	2.44	2.31	95	N833716	1					6.5

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
60.96	64.01	3.05	2.98	98	N833717	1					7.5
64.01	67.06	3.05	2.96	97	N833718	1					7.5
67.06	70.10	3.04	2.83	93	N833719	1					8.0
		0.00		####	N833720	1				Standard ME-6	0.3
70.10	71.63	1.53	1.39	91	N833721	1					4.0
		0.00		####	N833722	1				1/4 Duplicate	2.5
71.63	74.68	3.05	2.82	92	N833723	1					7.5
		0.00		####	N833724	1				Blank	3.0
74.68	77.72	3.04	2.76	91	N833725	1					7.5
77.72	79.25	1.53	1.48	97	N833726	2					4.0
79.25	82.30	3.05	2.77	91	N833727	2					7.2
82.30	85.34	3.04	2.96	97	N833728	2					7.8
85.34	86.87	1.53	1.12	73	N833729	2					2.6
86.87	89.92	3.05	2.69	88	N833730	2					6.2
89.92	91.44	1.52	1.46	96	N833731	2					3.6
91.44	94.49	3.05	2.78	91	N833732	2					7.3
94.49	96.01	1.52	1.21	80	N833733	2					2.4
				####	N833734	2				1/4 Duplicate	1.6
96.01	99.06	3.05	2.70	89	N833735	2					7.5
99.06	102.11	3.05	2.48	81	N833736	2					7.4
102.11	103.63	1.52	1.31	86	N833737	2					3.0
103.63	106.68	3.05	2.79	91	N833738	2					8.0
				####	N833739	2				Standard ME-6	0.3
106.68	109.73	3.05	2.78	91	N833740	2					8.3
109.73	112.78	3.05	2.77	91	N833741	2					7.0
112.78	115.82	3.04	2.75	90	N833742	2					7.1
115.82	118.87	3.05	2.82	92	N833743	2					7.8
118.87	121.92	3.05	2.69	88	N833744	2					8.0
121.92	124.97	3.05	2.74	90	N833745	2					7.6
124.97	128.02	3.05	2.51	82	N833746	2					7.7
128.02	129.05	1.03	0.70	68	N833747	2					0.8

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
129.05	130.56	1.51	1.51	100	N833748	2					3.6
130.56	131.06	0.50	0.50	100	N833749	2					0.9
				####	N833750	2				Blank	4.2
131.06	134.11	3.05	2.97	97	N833751	2					8.4
134.11	137.16	3.05	3.02	99	N833752	2					8.4
137.16	140.21	3.05	2.96	97	N833753	2					8.8
140.21	143.26	3.05	3.03	99	N833754	2					8.0
		0.00		####	N833755	2				Standard GS-4D	0.3
143.26	143.78	0.52	0.52	100	N833756	2					1.1
		0.00		####	N833757	2				Blank	5.5
143.78	144.65	0.87	0.86	99	N833758	2					4.2
		0.00		####	N833759	2				Coarse reject	-
144.65	146.30	1.65	0.64	39	N833760	2					1.5
146.30	149.35	3.05	2.93	96	N833761	2					8.8
149.35	150.76	1.41	1.40	99	N833762	3					4.0
150.76	151.33	0.57	0.50	88	N833763	3					1.5
151.33	152.80	1.47	1.22	83	N833764	3					3.5
152.80	155.45	2.65	2.65	100	N833765	3					8.0
155.45	157.41	1.96	1.88	96	N833766	3					6.0
		0.00		####	N833767	3				Coarse reject	-
157.41	160.02	2.61	1.58	61	N833768	3					8.5
160.02	161.27	1.25	1.20	96	N833769	3					4.5
161.27	162.88	1.61	1.60	99	N833770	3					5.0
162.88	164.29	1.41	1.31	93	N833771	3					4.5
		0.00		####	N833772	3				Standard GS- 4D	0.3
164.29	165.64	1.35	1.33	99	N833773	3					4.0
165.64	167.64	2.00	1.82	91	N833774	3					5.5
167.64	169.16	1.52	1.50	99	N833775	3				EOH	4.5

# CRAG EAST

Hole: CE-12-07 Tech Name: Autumn Hughes

28-Jun-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity		Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
												Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
1.11	1.52	0.41	0.41	100	0.32	78	0	1	3S	5W	20	0	0	1	2R	5W	OVB	
1.52	3.05	1.53	0.48	31	0.20	13	0	1	3S	5W	20	0.38	0	1	2R	5W	OVB	
3.05	4.57	1.52	0.59	39	0.00	0	0	1	3S	5W	20	0.22	0	1	2R	5W	OVB	
4.57	6.10	1.53	0.77	50	0.66	43	0	1	3S	5W	20	0.31	0	1	2R	5W	OVB	
6.10	7.62	1.52	1.33	88	1.26	83	0	1	3S	5W	20	0.25	0	1	2R	5W	OVB	
7.62	9.14	1.52	1.33	88	0.80	53	0	1	3S	1W	20	0.05	50	1	2R	1W		
9.14	9.75	0.61	0.61	100	0.17	28	0	1	3S	1W	35	0.03	0	1	2R	1W		
9.75	11.58	1.83	1.21	66	0.10	5	0	1	3S	1W	35	0.04	100	1	2R	1W		
11.58	12.19	0.61	0.32	52	0.11	18	0	1	3S	1W	35	0.04	80	1	2R	1W		
12.19	14.02	1.83	1.60	87	0.26	14	0	1	3S	1W	35	0.03	0	1	2R	1W		
14.02	15.24	1.22	1.22	100	0.23	19	0	1	3S	1W	50	0.05	0	1	2R	1W		
15.24	17.07	1.83	1.62	89	0.20	11	0	1	3S	1W	50	0.04	20	1	2R	1W		
17.07	18.29	1.22	1.21	99	0.00	0	0	1	3S	1W	50	0.03	60	1	2R	1W		
18.29	19.81	1.52	1.52	100	0.34	22	0	1	3S	1W	50	0.03	0	1	2R	1W		
19.81	22.86	3.05	2.54	83	0.95	31	0	1	3S	1W	30	0.05	4	1	2R	1W		
22.86	25.91	3.05	2.40	79	0.36	12	0	1	3S	1W	50	0.05	0	1	2R	1W		
25.91	27.43	1.52	1.12	74	0.10	7	0	1	3S	1W	40	0.05	30	1	2R	1W		
27.43	30.48	3.05	2.81	92	1.56	51	0	1	3S	1W	60	0.08	0	1	2R	1W		
30.48	33.22	2.74	2.40	88	1.39	51	0	1	3S	1W	50	0.09	0	1	2R	1W		
33.22	35.05	1.83	1.59	87	0.55	30	0	1	3S	1W	30	0.06	90	1	2R	1W		
35.05	37.19	2.14	1.52	71	0.10	5	0	1	3S	1W	45	0.04	140	1	2R	1W		
37.19	38.40	1.21	1.14	94	0.43	36	0	1	3S	1W	55	0.05	0	1	2R	1W		
38.40	40.54	2.14	1.57	73	0.00	0	0	1	3S	1W	60	0.05	0	1	2R	1W		
40.54	42.67	2.13	2.04	96	0.30	14	0	1	3S	1W	50	0.04	0	1	2R	1W		
42.67	44.20	1.53	1.43	93	0.16	10	0	1	3S	1W	50	0.04	0	1	2R	1W		
44.20	47.24	3.04	2.60	86	1.02	34	0	1	3S	1W	45	0.06	30	1	2R	1W		
47.24	50.29	3.05	2.60	85	1.66	54	0	1	3S	1W	40	0.07	0	1	2R	1W		
50.29	53.34	3.05	2.86	94	1.93	63	0	1	3S	1W	25	0.1	0	1	2R	1W		
53.34	56.39	3.05	2.81	92	1.91	63	0	1	3S	1W	55	0.09	0	1	2R	1W		
56.39	58.52	2.13	1.82	85	0.53	25	0	1	3S	1W	40	0.06	0	1	2R	1W		
58.52	60.96	2.44	2.31	95	1.44	59	0	1	3S	1W	40	0.09	6	1	2R	1W		
60.96	64.01	3.05	2.98	98	2.79	91	0	1	3S	1W	55	0.17	0	1	2R	1W		



## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
64.01	67.06	3.05	2.96	97	2.61	86	0	1	3S	1W	40	0.15	0	1	2R	1W	
67.06	70.10	3.04	2.83	93	1.28	42	0	1	3S	1W	30	0.08	30	1	2R	1W	
70.10	71.63	1.53	1.39	91	0.76	50	0	1	3S	1W	50	0.08	0	1	2R	1W	
71.63	74.68	3.05	2.82	92	1.08	35	0	1	3S	1W	50	0.06	0	1	2R	1W	
74.68	77.72	3.04	2.76	91	1.50	49	0	1	3S	1W	60	0.07	0	1	2R	1W	
77.72	79.25	1.53	1.48	97	0.50	33	0	1	3S	1W	60	0.09	0	1	2R	1W	
79.25	82.30	3.05	2.77	91	1.72	56	0	1	3S	1W	70	0.1	20	1	2R	1W	
82.30	85.34	3.04	2.96	97	1.08	36	0	1	3S	1W	65	0.07	0	1	2R	1W	
85.34	86.87	1.53	1.12	73	0.33	22	0	1	3S	1W	55	0.07	0	1	2R	1W	
86.87	89.92	3.05	2.69	88	1.49	49	0	1	3S	1W	55	0.08	0	1	2R	1W	
89.92	91.44	1.52	1.46	96	0.88	58	0	1	3S	1W	70	0.08	0	1	2R	1W	
91.44	94.49	3.05	2.78	91	1.04	34	0	1	3S	1W	60	0.07	0	1	2R	1W	
94.49	96.01	1.52	1.21	80	0.37	24	0	1	3S	1W	60	0.07	0	1	2R	1W	
96.01	99.06	3.05	2.70	89	1.33	44	0	1	3S	1W	70	0.07	0	1	2R	1W	
99.06	102.11	3.05	2.48	81	0.58	19	0	1	3S	1W	65	0.06	0	1	2R	1W	
102.11	103.63	1.52	1.31	86	1.10	72	0	1	3S	1W	60	0.14	0	1	2R	1W	
103.63	106.68	3.05	2.79	91	0.54	18	0	1	3S	1W	70	0.05	0	1	2R	1W	
106.68	109.73	3.05	2.78	91	1.89	62	0	1	3S	1W	60	0.11	0	1	2R	1W	
109.73	112.78	3.05	2.77	91	1.48	49	0	1	3S	1W	70	0.08	0	1	2R	1W	
112.78	115.82	3.04	2.75	90	0.94	31	0	1	3S	1W	70	0.06	0	1	2R	1W	
115.82	118.87	3.05	2.82	92	1.62	53	0	1	3S	1W	60	0.08	0	1	2R	1W	
118.87	121.92	3.05	2.69	88	0.98	32	0	1	3S	1W	65	0.08	0	1	2R	1W	
121.92	124.97	3.05	2.74	90	1.57	51	0	1	3S	1W	60	0.09	0	1	2R	1W	
124.97	128.02	3.05	2.51	82	0.42	14	0	1	3S	1W	60	0.07	0	1	2R	1W	
128.02	131.06	3.04	2.50	82	1.45	48	4	1	1S	1W	75	0.14	320	1	3R	1W	
131.06	134.11	3.05	2.97	97	2.70	89	4	1	3S	1W	55	0.22	0	1	3R	1W	
134.11	137.16	3.05	3.02	99	2.53	83	4	1	4S	1W	60	0.18	0	1	3R	1W	
137.16	140.21	3.05	2.96	97	2.49	82	4	1	4S	1W	40	0.18	0	1	3R	1W	
140.21	143.26	3.05	3.03	99	2.91	95	4	1	3S	1W	60	0.25	0	1	3R	1W	
143.26	146.30	3.04	2.94	97	2.63	87	4	1	4S	1W	55	0.38	0	1	3R	2W	
146.30	149.35	3.05	2.93	96	2.50	82	4	1	4S	1W	50	0.16	0	1	3R	2W	
149.35	152.40	3.05	2.75	90	1.83	60	4	1	2S	4W	50	0.12	0	1	3R	4W	
152.40	155.45	3.05	3.03	99	2.20	72	4	1	4S	1W	60	0.15	0	1	2R	1W	
155.45	156.97	1.52	1.36	89	0.87	57	3	1	3S	1W	30	0.1	0	1	3R	1W	
156.97	160.02	3.05	2.99	98	2.73	90	4	1	4S	1W	50	0.19	0	1	3R	1W	
160.02	163.02	3.00	2.92	97	2.52	84	3	1	3S	1W	50	0.19	0	1	3R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
163.02	164.29	1.27	1.18	93	1.00	79	3	1	5S	1W	60	0.13	0	1	3R	1W	
164.29	166.12	1.83	1.76	96	1.55	85	2	1	3S	1W	60	0.17	0	1	3R	1W	
166.12	167.64	1.52	1.43	94	1.35	89	3	1	4S	1W	55	0.25	0	1	3R	1W	
167.64	169.16	1.52	1.33	87	0.99	65	4	1	4S	1W	65	0.11	0	1	2R	1W	EOH

# CRAG EAST

Hole: CE-12-07

Date: 29/06/12

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
8	LA/FR	20	
10	LA/FR	35	
12	LA/FR	35	
14	LA/FR	50	
16	LA/FR	50	
18	LA/FR	50	
20	LA/FR	30	
22	LA/FR	50	
24	LA/FR	40	
26	LA/FR	60	
28	LA/FR	60	Sheared
30	LA/FR	50	
32	LA/FR	30	
34	LA/FR	45	
36	LA/FR	55	
38	LA/FR	60	
40	LA/FR	50	
42	LA/FR	50	
44	LA/FR	45	
46	LA/FR	40	
48	LA/FR	25	
50	LA/FR	10	Sheared
52	LA/FR	25	
54	LA/FR	35	Shear plane
56	LA/FR	25	
58	LA/FR	30	
60	VT	25	Sheared zone, poor

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
62	FR	65	
64	LA/FR	10	
66	LA/FR	20	
68	VT	10	
70	FR	30	
72	LA/FR	45	
74	FR	45	
76	LA/FR	50	
78	FR	40	
80	LA/FR	60	
82	LA	15	
84	LA	30	Variable
86	LA/FR	55	
88	LA	45	
90	BN	10	
92	LA	45	
94	FR	70	
96	LA/FR	55	
98	JT	70	
100			
102			
104			
106	LA	15	
108	LA/JT	20	Variable
110	JT	25	
112	LA/FR	70	
114	LA/FR	70	
116	LA	20	
118	LA	50	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
120	LA	10	
122	LA	25	
124	LA	55	
126	LA	40	
128	LA/FR	40	
130	VN	40	Relict vein
132	LA/VN	40	
134	BN?	40	colouration band in calcite.
136	VN	35	
138	FR	30	poor
140	BD	15	
142	FR	20	stepped surface
144	VT	25	
146	VN	0	undulose, sheared?
148	VT/SY	35	stylolites?
150	n/a		Intense clay alteration.
152	VT	30	
154	BD	50	
156	BD	45	
158	BD	45	
160	BD	45	
162	BD	40	
164	BD	55	
166	BD	60	
168	BD	60	cross bedded?
169.16	BD	50	



## CRAG EAST

Hole: CE-12-07

29-Jun-12

Box #	From (m)	To (m)
1	1.11	7.71
2	7.71	10.89
3	10.89	14.53
4	14.53	17.99
5	17.99	21.75
6	21.75	25.31
7	25.31	30.36
8	30.36	33.22
9	33.22	36.87
10	36.87	41.23
11	41.23	44.73
12	44.73	48.32
13	48.32	52.38
14	52.38	56.34
15	56.34	60.35
16	60.35	64.30
17	64.30	67.89
18	67.89	71.85
19	71.85	75.64
20	75.64	79.84
21	79.84	83.54
22	83.54	87.71
23	87.71	91.72
24	91.72	95.56
25	95.56	99.95
26	99.95	104.17
27	104.17	107.99
28	107.99	111.98

## CRAG EAST

29	111.98	115.91
30	115.91	119.55
31	119.55	123.23
32	123.23	127.08
33	127.08	131.43
34	131.43	135.44
35	135.44	139.51
36	139.51	143.62
37	143.62	147.64
38	147.64	151.69
39	151.69	155.79
40	155.79	159.69
41	159.69	163.85
42	163.85	167.64
43	167.64	169.16
EOH		



## CRAG EAST

### CE-12-07

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
50	15.24	337.0	2.9	-51.1	57572	79.2	1	46.4	31.3	219.9	-0.89	1/7/2012 16:37
100	30.48	336.5	2.4	-51.3	57367	79.4	1	46.8	75.8	264.4	-0.48	1/7/2012 16:32
150	45.72	336.5	2.4	-51.5	57329	79.5	1.001	46.4	94.3	282.9	-0.75	1/7/2012 16:27
200	60.96	336.9	2.8	-51.3	57326	79.5	1.001	46.6	90.0	278.4	-2.61	1/7/2012 16:24
250	76.20	338.5	4.4	-51.0	57246	79.5	1.002	46.8	120.0	307.8	-0.8	1/7/2012 16:19
300	91.44	339.0	4.9	-50.8	57224	79.5	1.002	46.9	122.5	310.1	-1.17	1/7/2012 16:15
350	106.68	339.6	5.5	-50.5	57208	79.5	1.002	47.5	124.5	311.8	-1.11	1/7/2012 16:10
400	121.92	340.2	6.1	-50.1	57202	79.5	1.002	48.4	130.3	317.4	-1.12	1/7/2012 16:06
450	137.16	340.9	6.8	-50.0	57165	79.4	1.003	49.1	138.0	324.9	-1.08	1/7/2012 16:02
500	152.40	341.4	7.3	-49.7	57146	79.5	1.002	50.5	136.0	322.6	-0.59	1/7/2012 15:57
550	167.64	341.5	7.4	-49.4	57074	79.4	1.004	55.0	160.8	347.4	0	1/7/2012 15:52

# CRAG EAST

**ZONE:** Malbec

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		618392.700	7107044.021	886.467	123.44

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-08

**CLAIM:** Crag 457/ Crag E 3

Contractor: Beaudoin

Drill: JKS

Core size: NTW Reduced at: \_\_\_\_\_ (m)

Casing depth: 4.25 (m) in / out

Drilling dates: \_\_\_\_\_ 3-July-12 to 5-July-12

Geology logged by: T. Belgrano, K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	90	-50	Compass				
15.24	95.4	-50.8	Ranger Survey				
60.96	94.9	-50.2	Ranger Survey				
121.92	96.0	-49.1	Ranger Survey				

**TARGET:** Intersection of N-S structure with NW trending linear geochem- DST-SHL contact?

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	2.60	2.60	OVB	overburden
2.60	47.32	44.72	SHL	Maroon/green shale. (Narchilla?)
47.32	64.93	17.61	LST	Brecciated, decalcified and clay altered limestone rubble
64.93	123.44	58.51	SHL	Variably calcareous, banded siltstone.

SAMPLES	
Numbers:	<u>N833776 to N833851</u>
Total:	<u>77</u>
Batch:	<u>3,4, 5.</u>
Date Sent:	<u>July 4, 5, 6, 2012</u>
Certificate:	<u>WH12157369, WH12158546, WH12155783</u>

COMMENTS
Grungy, orange-green weathered, dark rubble and grit between 47.32m and 64.93m, similar in appearance to core from ATAC's Osiris Zone.

## CRAG EAST

Hole: CE-12-08

Logger Name: T. Belgrano, K. Unger

Date: July 4, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other			
														Type	Intensity			Type			Conc. (%)
0.00	2.60	2.60			0.00		OVB		DK	BR											Overburden, some recovery of soils.
2.60	47.32	44.72					SHL	FG	MD	BR	FO			CLY	1						Medium maroon to dull olive grey-green, variably bimodally banded, bedded and foliated, shale/siltstone with vein-bound limestone interfingering on the 10's cm scale beds below 20.00 m. Bedding is 1 metre scale defined by colouration, also pervasive foliation and associated jointing is generally along primary bedding structures. Intermittent brecciated sections, 10's cm scale, develop down hole, proximal to contact. Brecciation is variable from clast to matrix supported, clasts 1-30 mm wide. Occasional boudinaged bands and veins are associated with breccia and lower contact. Variable quartz and calcite veining, <1-10 mm thick, increases down hole, calcite associated with limestone interfingering. Fracture surfaces generally weather to orange, weakly reactive with HCl, occasionally clay altered, attacking <1 cm into rock.
							VFG	MD	GR	JT											
							MD	GY	BD												
			21.07	27.43	6.36		SHL	FG	MD	GR	JT										Shale/siltstone as general description, however, this section is interfingering with bands of fine to medium grained limestone in beds on the 10's of cm scale. Silt bands remain non-calcareous but whole section is moderately cut by calcite veining. Some limestone is lightly brecciated with clast supported textures. Limestone is cut and bounded by wiggly black stylolites.
							LST	MG	MD	GR	LA										
							FG														
			39.98	44.60	4.62		LST	MG	MD	GY	BN										Shale/siltstone as general description, however, this section is interfingering with bands of medium grey limestone and limey shale. Carbonate beds are fine-medium grained, typically 2-20 cm thick, alternating bimodally. Breccia textures are focused at 42.00 m. Carbonate beds are moderately cut by calcite veining which is often truncated. Limestone has black, wiggly, <1-2 mm stylolitic structures (cryptic algal laminae?). Lower contact is clayey gouge with angular fragments <20 mm diameter. Occasional distinctive mini fault-bend-folding indicative of shearing along bedding planes.
							SLT	FG			BD										
47.32	64.93	17.61					LST	CG	MD	OR	BX	3		DCB	3						Grungy orange-green to grey, variably brecciated and re-brecciated, variably clay altered and decalcified carbonate rock (limestone?). Core is variably decalcified, reaction with HCl is generally very weak, even when scratched. Bubbling in sandy, grungy core is slow, and only exhibited after some time has passed. Core is generally rubbly to gritty, appearing more competent on unit margins. Where core is competent, core is blocky at best, exhibiting a re-brecciated, mosaic-like appearance. Primary textures are obliterated or obscured, with grey clasts of dolostone/limestone supported in a rusty orange-white, variably calcareous matrix. Where gritty, core is rusty orange-green to green-yellow, often with black, sooty partings and coatings (very fine grained sulphides? Mn staining?). Grungy green arsenic oxide alteration is variable throughout, at times as dominant staining, most often found with rusty orange oxidation alteration.





## CRAG EAST

Hole: CE-12-08

Logger Name: Tom Belgrano

Date: July 2012

Depth (m)	DESCRIPTION
47.32	Siltstone into breccia: gradational over 10 cm, however overlying this contact, siltstone interfingers with 10s cm scale- m scale beds of limestone and limey siltstone from 20.00 m depth.
56.39	Breccia into shale: sharp contact w/ some associated shearing in the shale.

## CRAG EAST

Hole: CE-12-08

Logger Name: T. Belgrano

Date: July 4, 2012

2° Structure Type	From (m)	To (m)	Attitude (TCA)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
VT	36.00	36.22	35.00	340.00	4.00	QZ	100.00	Quartz veinlet set cross cutting green bands in maroon siltstone.	
Gouge	37.21	37.33	40.00	0.00	1.00			Non coheisive clay supported gouge with angular fragments, <1-25 mm wide, in clay matrix, no imbrication.	
VN	70.00	70.65	30.00	180.00	4.00	QZ	100.00	Sheared discontinous quartz vein set.	
VN	74.00	74.80	65.00	160.00	7.00	QZ	100.00	White quartz vein set, truncated along bedding.	
VN	88.60	88.89	50.00	90.00	5.00	QZ	100.00	White quartz vein set cutting bedding, 1-30 mm thick.	
VN	91.35	91.70	0.00	0.00	5.00	CA	100.00	Variably oriented calcite vein set, generally perpendicular to core axis, 1-3 cm thick.	
VN	109.85	110.45	45.00	180.00	10.00	QZ	100.00	Quartz veinlet set cross cutting banding, 3-10 mm thick.	
JT/VN	113.00	113.79	70.00	270.00	50.00	QZ	100.00	Quartz veinlet/joint set ~5-10 mm spacing, <1mm thick.	





# CRAG EAST

Hole: CE-12-08

Date: July 5, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
2.50	3.05	0.55	0.45	82	N833776	3					1.5
3.05	4.57	1.52	1.52	100	N833777	3					4.0
4.57	7.62	3.05	2.48	81	N833778	3					8.0
7.62	9.14	1.52	1.25	82	N833779	3					4.5
		0.00		####	N833780	3				Blank	6.0
9.14	10.97	1.83	1.56	85	N833781	3					5.5
10.97	13.11	2.14	1.81	85	N833782	3					6.5
13.11	15.24	2.13	2.13	100	N833783	3					8.0
15.24	18.29	3.05	2.92	96	N833784	3					10.0
18.29	20.94	2.65	2.56	97	N833785	3					9.0
20.94	23.82	2.88	2.88	100	N833786	3					9.0
23.82	24.38	0.56	0.53	95	N833787	3					1.8
		0.00		####	N833788	3				1/4 Duplicate	0.8
24.38	27.00	2.62	2.62	100	N833789	3					9.0
27.00	28.13	1.13	1.10	97	N833790	3					9.0
28.13	31.38	3.25	1.31	40	N833791	3					1.8
31.38	32.03	0.65	0.65	100	N833792	3					1.8
		0.00		####	N833793	3				Standard ME-6	0.3
32.03	33.53	1.50	1.50	100	N833794	3					4.2
33.53	36.58	3.05	3.03	99	N833795	3					9.8
		0.00		####	N833796	3				Blank	4.2
36.58	39.62	3.04	2.87	94	N833797	3					9.0
39.62	42.67	3.05	3.05	100	N833798	4					10.5
42.67	44.30	1.63	1.50	92	N833799	4					5.0
44.30	45.72	1.42	0.75	53	N833800	4					4.0
45.72	47.00	1.28	1.28	100	N833801	4					4.0
47.00	47.71	0.71	0.71	100	N833802	4					2.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
47.71	48.77	1.06	1.06	100	N833803	4					3.5
		0.00		####	N833804	4				Standard ME-6	0.3
48.77	50.02	1.25	1.25	100	N833805	4					4.2
50.02	51.82	1.80	1.63	91	N833806	4					5.0
51.82	52.42	0.60	0.60	100	N833807	4					2.0
52.42	54.86	2.44	2.44	100	N833808	4					5.5
54.86	55.71	0.85	0.85	100	N833809	4					2.5
55.71	56.83	1.12	1.10	98	N833810	4					3.0
56.83	57.61	0.78	0.78	100	N833811	4					3.0
57.61	60.66	3.05	2.29	75	N833812	4					4.5
60.66	62.48	1.82	0.52	29	N833813	4					6.5
62.48	63.00	0.52	0.52	100	N833814	4					1.7
63.00	64.93	1.93	1.93	100	N833815	4					6.0
		0.00		####	N833816	4				Standard GS-8B	0.3
64.93	65.53	0.60	0.60	100	N833817	4					2.5
65.53	66.34	0.81	0.77	95	N833818	4					2.5
66.34	67.08	0.74	0.73	99	N833819	4					2.5
		0.00		####	N833820	4				Blank	3.0
67.08	68.58	1.50	1.50	100	N833821	4					5.0
68.58	71.63	3.05	3.01	99	N833822	4					10.5
		0.00		####	N833823	4				Coarse Reject	-
71.63	73.03	1.40	1.40	100	N833824	4					5.0
73.03	74.68	1.65	1.65	100	N833825	4					5.8
74.68	77.72	3.04	3.05	100	N833826	4					10.0
74.68	77.72	3.04	3.05	100	N833827	4				1/4 Duplicate	4.8
77.72	80.77	3.05	3.01	99	N833828	4					8.0
80.77	82.30	1.53	1.50	98	N833829	4					4.5
		0.00		####	N833830	4				Blank	3.5
82.30	84.60	2.30	2.15	93	N833831	4					7.5
84.60	85.34	0.74	0.73	99	N833832	4					2.5

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
85.34	86.24	0.90	0.85	94	N833833	4					2.5
86.24	88.39	2.15	2.12	99	N833834	5					5.6
88.39	89.74	1.35	1.25	93	N833835	5					3.7
89.74	91.44	1.70	1.70	100	N833836	5					4.9
91.44	93.86	2.42	1.43	59	N833837	5					7.0
93.86	94.49	0.63	0.63	100	N833838	5					1.5
94.49	97.54	3.05	2.95	97	N833839	5					10.4
		0.00		####	N833840	5				Coarse reject	-
97.54	99.06	1.52	1.45	95	N833841	5					4.8
99.06	102.11	3.05	2.94	96	N833842	5					10.0
102.11	105.16	3.05	2.97	97	N833843	5					9.6
105.16	108.20	3.04	2.95	97	N833844	5					9.2
108.20	111.25	3.05	3.00	98	N833845	5					9.8
		0.00		####	N833846	5				Standard GS-4D	0.3
111.25	114.10	2.85	2.82	99	N833847	5					10.0
114.10	115.39	1.29	1.27	98	N833848	5					3.9
115.39	117.35	1.96	1.93	98	N833849	5					5.7
117.35	118.03	0.68	0.65	96	N833850	5					1.8
118.03	120.40	2.37	2.30	97	N833851	5					7.0
					N833852	5				Blank	3.8
120.40	123.44	3.04	3.00	99	N833853	5					10.2

# CRAG EAST

Hole: CE-12-08

Tech Name: A. Hughes

2-Jul-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
1.96	3.05	1.09	1.96	180	0.46	42	0	1	0S	3W	n/a	n/a	0	1	2R	2W	broken shale
3.05	4.57	1.52	1.42	93	0.19	13	0	1	1S	3W	n/a	n/a	0	1	2R	2W	broken shale
4.57	6.10	1.53	1.24	81	0.46	30	0	1	3S	1W	90	0.07	0	1	2R	2W	
6.10	7.62	1.52	1.22	80	0.00	0	0	1	3S	1W	70	0.05	0	1	2R	2W	
7.62	9.14	1.52	1.25	82	0.55	36	0	1	3S	1W	50	0.06	0	1	2R	2W	
9.14	10.97	1.83	1.56	85	0.40	22	0	1	3S	1W	40	0.05	0	1	2R	2W	
10.97	13.11	2.14	1.81	85	0.34	16	0	1	3S	1W	45	0.07	0	1	2R	2W	
13.11	15.24	2.13	2.16	101	0.84	39	0	1	3S	1W	40	0.07	0	1	2R	2W	
15.24	18.29	3.05	2.92	96	0.76	25	0	1	3S	1W	50	0.07	0	1	2R	2W	
18.29	21.34	3.05	2.87	94	1.88	62	3	1	3S	1W	50	0.09	0	1	2R	2W	
21.34	24.38	3.04	2.97	98	2.20	72	0	1	3S	1W	40	0.12	10	1	2R	2W	
24.38	27.43	3.05	3.05	100	2.54	83	2	1	3S	1W	50	0.15	0	1	2R	1W	
27.43	30.48	3.05	2.88	94	2.19	72	2	1	3S	1W	50	0.12	0	1	2R	1W	
30.48	33.53	3.05	2.97	97	2.45	80	0	1	3S	1W	45	0.16	0	1	2R	1W	
33.53	36.58	3.05	3.03	99	2.09	69	0	1	3S	1W	50	0.12	0	1	2R	1W	
36.58	39.62	3.04	2.87	94	1.51	50	0	1	3S	1W	40	0.09	110	1	2R	1W	
39.62	42.67	3.05	3.05	100	2.59	85	4	1	3S	1W	55	0.13	10	1	2R	1W	
42.67	45.72	3.05	2.67	88	2.05	67	4	1	3S	1W	50	0.11	0	1	2R	1W	
45.72	48.77	3.05	3.01	99	2.42	79	0	1	3S	1W	45	0.12	0	1	2R	1W	
48.77	51.82	3.05	2.93	96	2.49	82	0	1	3S	1W	50	0.18	0	3	3R	2W	
51.82	54.86	3.04	2.44	80	0.56	18	3	1	3S	4W	65	0.07	0	3	2R	4W	
54.86	57.61	2.75	2.70	98	0.74	27	3	1	2S	4W	70	0.07	0	3	3R	4W	
57.61	60.66	3.05	2.29	75	0.00	0	2	1	2S	2W	n/a	n/a	0	1	3R	3W	rubble
60.66	62.48	1.82	1.52	84	0.65	36	2	1	3S	1W	60	0.06	0	1	3R	3W	
62.48	65.53	3.05	3.02	99	2.59	85	3	1	4S	1W	70	0.14	40	1	3R	3W	
65.53	68.58	3.05	3.00	98	2.18	71	0	1	3S	1W	60	0.11	0	1	2R	1W	
68.58	71.63	3.05	3.01	99	2.53	83	0	1	3S	1W	35	0.15	0	1	2R	1W	
71.63	74.68	3.05	3.05	100	2.28	75	0	1	3S	1W	50	0.13	0	1	2R	1W	
74.68	77.72	3.04	3.05	100	2.79	92	4	1	4S	1W	30	0.2	0	1	2R	1W	
77.72	80.77	3.05	3.01	99	2.88	94	4	1	3S	1W	50	0.2	0	3	2R	1W	
80.77	82.30	1.53	1.50	98	1.13	74	1	1	4S	1W	55	0.09	0	1	2R	1W	
82.30	85.34	3.04	2.91	96	2.32	76	3	1	3S	1W	30	0.12	0	1	2R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
85.34	88.39	3.05	2.89	95	1.67	55	0	1	4S	1W	25	0.1	0	1	2R	1W	
88.39	91.44	3.05	2.92	96	2.25	74	4	1	3S	1W	40	0.12	10	1	2R	1W	
91.44	94.49	3.05	3.05	100	2.55	84	4	1	4S	1W	30	0.15	0	1	2R	1W	
94.49	97.54	3.05	2.95	97	2.51	82	0	1	4S	1W	40	0.18	0	1	2R	1W	
97.54	99.06	1.52	1.45	95	1.31	86	0	1	4S	1W	40	0.22	20	1	2R	1W	
99.06	102.11	3.05	2.94	96	2.66	87	0	1	4S	1W	30	0.17	0	1	2R	1W	
102.11	105.16	3.05	2.97	97	2.66	87	0	1	4S	1W	40	0.15	0	1	2R	1W	
105.16	108.20	3.04	2.95	97	2.57	85	0	1	4S	1W	40	0.13	0	1	2R	1W	
108.20	111.25	3.05	3.00	98	2.76	90	0	1	4S	1W	45	0.17	0	1	2R	1W	
111.25	114.30	3.05	3.04	100	2.87	94	0	1	4S	1W	60	0.28	0	3	2R	1W	
114.30	117.35	3.05	3.04	100	3.04	100	0	1	5S	1W	50	0.25	0	3	2R	1W	
117.35	120.40	3.05	3.00	98	2.73	90	0	1	4S	1W	50	0.19	0	3	2R	1W	
120.40	123.44	3.04	3.00	99	2.89	95	4	1	4S	1W	40	0.25	0	1	2R	1W	EOH

# CRAG EAST

Hole: CE-12-8

Date: July 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
2	JT	15	
4	JT	15	
6	JT	13	
8	JT	40	
10	JT	35	
12	JT	32	
14	JT	35	
16	JT	35	
18	JT	40	
20	JT	40	
22	LA	50	
24	JT	40	
26	JT	30	
28	LA	25	
30	JT/VT	45	
32	JT/VT	45	
34	JT/VT	47	
36	BN/JT	45	
38	JT/VT	45	
40	LA	45	Undulose
42	SY	55	
44	LA	55	
46	LA	45	
48	FR	80	
50	FR	70	poor
52	FR	70	
54	FR	80	poor

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
56	VN	80	
58	NA		BX
60	NA		BX
62	LA	50	poor
64	SH/VT	35	shear plane
66	LA	60	
68	LA	30	
70	LA	30	
72	LA	25	
74	LA	5	undulose
76	LA	10	undulose
78	LA	25	
80	LA	30	
82	LA	30	
84	LA	25	
86	JT	10	undulose
88	BN	40	
90	BN	35	
92	LA	5	undulose
94	BN	18	
96	LA	30	
98	JT	28	
100	JT	20	
102	JT	20	
104	JT/ LA	20	
106	BN	18	
108	LA	30	
110	BD	30	
112	LA	40	poor

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
114	LA	25	variable
116	LA	15	
118	BN	35	
120	VN	40	
122	LA	25	



# CRAG EAST

Hole:

Date:

Depth (m)	Magnetic Susceptibility	DESCRIPTION
1.00		
2.00		
3.00		
4.00		
5.00		
6.00		
7.00		
8.00		
9.00		
10.00		

## CRAG EAST

Hole: CE-12-08

2-Jul-12

Box #	From (m)	To (m)
1	1.96	5.04
2	5.04	8.28
3	8.28	12.10
4	12.10	16.03
5	16.03	20.01
6	20.01	24.18
7	24.18	28.03
8	28.03	32.25
9	32.25	36.22
10	36.22	40.13
11	40.13	44.30
12	44.30	48.07
13	48.07	52.30
14	52.30	55.99
15	55.99	60.20
16	60.20	62.48
17	62.48	66.34
18	66.34	70.30
19	70.30	74.49
20	74.49	78.48
21	78.48	82.30
22	82.30	86.24
23	86.24	90.12
24	90.12	93.86
25	93.86	97.77
26	97.77	101.87
27	101.87	105.77
28	105.77	109.80

## CRAG EAST

29	109.80	113.99
30	113.99	118.26
31	118.26	122.41
32	122.41	123.44
EOH		

## CRAG EAST

### CE-11-8

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
50	15.24	69.5	95.4	-50.8	57206	78.9	1.001	46.6	118.1	280.4	-0.63	4/7/2012 10:45
100	30.48	69.2	95.1	-50.6	57172	78.8	1.001	46.6	123.3	285.7	-0.47	4/7/2012 10:38
150	45.72	69.0	94.9	-50.4	57163	78.9	1.001	46.8	113.0	275.6	-0.48	4/7/2012 10:29
200	60.96	69.0	94.9	-50.2	57107	78.8	1.002	46.9	134.5	297.0	-1.32	4/7/2012 10:19
250	76.20	69.7	95.6	-49.8	57119	78.8	1.002	47.5	132.8	295.4	-1.25	4/7/2012 10:12
300	91.44	69.4	95.3	-49.3	56984	78.7	1.003	47.8	176.2	338.9	-0.94	4/7/2012 10:04
350	106.68	70.0	95.9	-49.2	56949	78.7	1.003	49.1	174.3	337.0	-0.35	4/7/2012 9:57
400	121.92	70.1	96.0	-49.1	56985	78.5	1.004	51.4	174.1	336.5	0	4/7/2012 9:53



**CRAG EAST**

Hole: CE-12-09

Logger Name: K. Unger

Date: July 6, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION			MINERALS				Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar			Other		
														Type	Intensity					Type	Conc. (%)	
0.00	1.42	1.42					OVB														Overburden/casing, no recovery.	
1.42	97.54	96.12					SLT	FG CG	DK LT	GY GY	BD BD			CLY	2						X	Dark to light grey, variably sheared, interbedded silts and fine sandy silt beds with intermittent and variable clay alteration. Bedding fabric is variable, from well preserved, planar bedding to convolute, sinuous textures where strongly sheared. Where shearing is strongest, Coarse grained white quartz is present in irregular blobs, at times cross cut by opaque, 3-8 mm wide veinlets. Clay alteration is irregularly dispersed, and is present as light or dark grey, very soft bands up to 45 cm in width. <1% of core is clay altered.
			1.42	10.75	9.33		SLT	FG	DK	GY BN	BD BD			CLY WEA	3 4							Brown to dark grey, strongly weathered, interbedded silts and sandy siltstone. Core is blocky, stained brown with lenses of very soft brown clays where weathering is strongest. Staining generally decreases with depth, from pervasive to patchy. Joints are stained brown throughout. Weathering of core is absent below 10.75 cm. Bedding is variable, generally undulose but appears convolute where shearing is strongest.
			20.10	20.95	0.85		FLT	FG FG	LT DK	GY GY	BD BD			CLY	4						X	Light to dark grey, intensely clay altered, thinly bedded to gougy fault. Upper contact is sharp, soft grey clay defines contact between massive, medium grey sandy silts uphole against finely bedded to laminated, 1 mm to 5 mm thick beds of silts and sandy siltstone. Core is soft, especially where clay altered. Clay alteration is preferential to bands perpendicular to core axis and along irregular, undulose structures.
			28.83	62.30	33.47		SLT	CG FG	LT DK	GY GY	BD BD											Light to dark grey, variably sheared, interbedded sandy silts and dark grey silts. Sandy beds are thicker than above, massive beds up to 2.15 m thick to thin laminations. Bedding is planar to convolute, most irregular where shearing is strongest. Minor quartz veinlets and masses are intermittent throughout, preferential to sandy siltstone beds, at times forming irregular masses up to 9 cm in length.
			66.82	68.08	1.26		SLT	CG FG	LT DK	GY GY				SIL	3	0.01					X	Light grey to dark grey, strongly silicified, deformed/sheared sandy siltstone. Rock hosts irregular quartz veining, quartz veins make up to 30% of core. Trace platy realgar is present as red-orange flecks on some open fractures in quartz veins. Some quartz veinlet margins are black, very fine grained and stylolitic in appearance. Some of these stylolitic structures appear intermittently throughout the core, preferentially oriented 30-40 degrees to core axis (relict bedding?).

**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other					
														Type	Intensity			Type			Conc. (%)		
			81.76	83.90	2.14		SLT	FG	DK	GY	BD					0.10							X
								CG	LT	GY	BD												
			83.90				FLT																Sharp contact between dark grey laminated/finely bedded siltstone below, against light grey, sandy silts above a sharp contact, 60 degrees to core axis and oblique to bedding, defined by dark grey clay along contact and irregular quartz veining above contact.
			91.40	97.54	6.14		SLT	FG	DK	GY	BD												Dark grey to medium olive green and light grey, interbedded and laminated siltstone. Core is well bedded and soft, dominated by dark grey silts (90%). Core is competent, fracturing intermittently along fracture planes.
								CG	LT	GY	BD												EOH, at target depth with no sign of changing to favorable geology or mineralization. Hole terminated.





**CRAG EAST**

**Hole: CE-12-09**

**Logger Name: K. Unger**

**Date: July 6th, 2012**

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
VT	23.80	24.22	25.00	n/a	12.00	quartz	100.00	White and translucent grey, planar and irregular quartz blobs. Translucent grey quartz veinlets crosscut irregularly oriented and shaped quartz veinlets and blobs. Grey quartz veinlets are preferentially oriented 25 degrees to core axis, white quartz generally 80 degrees to core axis and 180-190 degrees to grey quartz.	
VN	66.62	68.08	35.00		10.00	quartz	99.00	White and translucent grey, quartz veins with variable thickness and orientations. Typical veins are oriented 35 degrees to core axis and 8-12 mm wide. Trace realgar flecks are present on open fractures of one of the veins. Some Veins have narrow, black, stylolitic-like margins, <1 mm wide with irregular propagations.	
VT	89.52	91.20	50.00	30.00	6.00	quartz	100.00	White, coarse grained, irregular quartz veinlets, 4-9 mm wide, generally 50 degrees to core axis, 30 degrees to bedding, though orientations vary to 50 degrees to core axis and 150 degrees to bedding.	



# CRAG EAST

Hole: CE-12-09

Date: July 6th, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
1.42	3.05	1.63	0.58	36	N833854	5					5.2
3.05	6.10	3.05	2.74	90	N833855	5					9.0
6.10	9.14	3.04	2.92	96	N833856	5					10.4
9.14	10.75	1.61	1.61	100	N833857	5					4.0
9.14	10.75	1.61	1.61	100	N833858	5				1/4 Duplicate	1.6
10.75	13.72	2.97	2.90	98	N833859	5					8.9
13.72	16.76	3.04	2.98	98	N833860	5					8.9
16.76	19.00	2.24	2.22	99	N833861	5					7.4
19.00	20.10	1.10	1.10	100	N833862	5					3.3
		0.00		####	N833863	5				Blank	4.6
20.10	20.95	0.85	0.75	88	N833864	5					1.6
		0.00		####	N833865	5				Standard GS-1D	0.3
20.95	22.89	1.94	1.82	94	N833866	5					5.4
22.86	24.38	1.52	1.52	100	N833867	5					5.0
24.38	27.43	3.05	3.05	100	N833868	5					9.4
27.43	30.48	3.05	2.97	97	N833869	5					10.6
30.48	33.53	3.05	3.05	100	N833870	6					10.0
33.53	36.58	3.05	2.90	95	N833871	6					10.0
		0.00		####	N833872	6				1/4 Duplicate	4.0
36.58	39.62	3.04	3.03	100	N833873	6					9.0
		0.00		####	N833874	6				Standard GS-4D	0.3
39.62	42.67	3.05	2.94	96	N833875	6					10.0
42.67	45.72	3.05	3.02	99	N833876	6					9.5
45.72	48.77	3.05	2.78	91	N833877	6					8.0
48.77	51.82	3.05	2.90	95	N833878	6					10.0
				####	N833879	6				Standard ME-6	0.3
51.82	54.86	3.04	2.91	96	N833880	6					9.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
54.86	57.91	3.05	3.00	98	N833881	6					8.5
57.91	60.96	3.05	3.00	98	N833882	6					9.0
60.96	64.01	3.05	2.82	92	N833883	6					9.0
64.01	66.82	2.81	2.74	98	N833884	6					8.0
66.82	68.08	1.26	1.12	89	N833885	6					3.0
				####	N833886	6				Blank	4.5
68.08	70.10	2.02	1.97	98	N833887	6					6.0
70.10	73.15	3.05	2.90	95	N833888	6					9.5
73.15	76.20	3.05	3.00	98	N833889	6					10.0
76.20	79.25	3.05	2.84	93	N833890	6					10.0
79.25	81.76	2.51	2.44	97	N833891	6					8.0
		0.00		####	N833892	6				Blank	5.0
81.76	83.90	2.14	2.14	100	N833893	6					7.0
83.90	85.34	1.44	1.44	100	N833894	6					4.5
85.34	88.39	3.05	3.01	99	N833895	6					11.0
88.39	91.44	3.05	2.99	98	N833896	6					10.6
91.44	94.49	3.05	2.83	93	N833897	6					10.0
94.49	97.54	3.05	2.96	97	N833898	6				EOH	10.0

# CRAG EAST

Hole: CE-12-09

Tech Name: A. Hughes

Date: July 6, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
1.42	3.05	1.63	1.63	100	0.58	36	0	1	4S	1W	50	0	0	1	2R	2W	
3.05	4.57	1.52	1.29	85	0.32	21	0	1	3S	1W	60	0.08	400	1	2R	2W	
4.57	6.10	1.53	1.45	95	0.29	19	0	1	3S	1W	65	0.06	0	1	2R	2W	
6.10	7.62	1.52	1.52	100	0.65	43	0	1	3S	1W	80	0.05	0	1	2R	2W	
7.62	9.14	1.52	1.40	92	0.72	47	0	1	3S	1W	50	0.06	0	1	2R	2W	
9.14	10.67	1.53	1.43	93	0.70	46	0	1	3S	1W	55	0.09	0	1	2R	2W	
10.67	13.72	3.05	2.85	93	2.10	69	0	1	4S	1W	55	0.11	40	1	2R	1W	
13.72	16.76	3.04	2.98	98	2.75	90	0	1	4S	1W	45	0.17	0	1	2R	1W	
16.76	19.81	3.05	3.05	100	2.91	95	0	1	4S	1W	45	0.25	0	1	2R	1W	
19.81	22.86	3.05	2.84	93	1.92	63	0	1	3S	1W	60	0.12	80	1	2R	1W	
22.86	24.38	1.52	1.50	99	1.26	83	0	1	3S	1W	50	0.12	0	1	2R	1W	
24.38	27.43	3.05	3.05	100	2.33	76	0	1	4S	1W	55	0.12	0	1	2R	1W	
27.43	30.48	3.05	2.97	97	2.56	84	0	1	3S	1W	65	0.15	0	1	2R	1W	
30.48	33.53	3.05	3.05	100	2.45	80	0	1	3S	1W	65	0.11	0	1	2R	1W	
33.53	36.58	3.05	2.90	95	2.72	89	0	1	3S	1W	30	0.19	0	1	2R	1W	
36.58	39.62	3.04	3.03	100	2.15	71	0	1	3S	1W	60	0.12	0	1	2R	1W	
39.62	42.67	3.05	2.94	96	2.29	75	0	1	3S	1W	45	0.13	10	1	2R	1W	
42.67	45.72	3.05	3.02	99	2.31	76	0	1	3S	1W	65	0.12	0	1	2R	1W	
45.72	48.77	3.05	2.78	91	2.01	66	0	1	4S	1W	60	0.08	0	1	2R	1W	
48.77	51.82	3.05	2.90	95	1.95	64	0	1	4S	1W	30	0.11	0	1	2R	1W	
51.82	54.86	3.04	2.91	96	2.47	81	0	1	4S	1W	50	0.13	0	1	3R	1W	
54.86	57.91	3.05	3.00	98	2.59	85	0	1	4S	1W	60	0.12	0	1	3R	1W	
57.91	60.96	3.05	3.00	98	2.62	86	0	1	4S	1W	40	0.13	15	1	3R	1W	
60.96	64.01	3.05	2.82	92	2.19	72	0	1	4S	1W	70	0.1	0	1	3R	1W	
64.01	67.06	3.05	2.89	95	2.35	77	0	1	3S	1W	40	0.13	30	1	2R	1W	
67.06	70.10	3.04	2.97	98	1.20	39	0	1	3S	1W	50	0.08	30	1	2R	1W	
70.10	73.15	3.05	2.90	95	1.77	58	0	1	3S	1W	50	0.11	10	1	2R	1W	
73.15	76.20	3.05	3.00	98	2.30	75	0	1	4S	1W	50	0.14	0	1	2R	1W	
76.20	79.25	3.05	2.84	93	1.98	65	0	1	3S	1W	50	0.11	50	1	2R	1W	
79.25	82.30	3.05	2.97	97	2.35	77	0	1	4S	1W	40	0.19	0	1	2R	1W	
82.30	85.34	3.04	2.93	96	2.91	96	0	1	3S	1W	40	0.2	0	1	2R	1W	
85.34	88.39	3.05	3.01	99	3.01	99	0	1	3S	1W	45	0.61	0	1	2R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
88.39	91.44	3.05	2.99	98	2.77	91	0	1	3S	1W	70	0.28	0	1	2R	1W	
91.44	94.49	3.05	2.83	93	2.39	78	0	1	3S	1W	65	0.18	0	1	2R	1W	
94.49	97.54	3.05	2.96	97	2.51	82	0	1	3S	1W	20	0.16	0	1	2R	1W	EOH

# CRAG EAST

Hole: CE-12-09

Date:

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
2	FR	30	
4	FR	30	
6	BD	12	
8	BD	25	
10	BD	10	Undulose bedding
12	BD	0	Undulose bedding
14	BD	25	Undulose, wavy bedding
16	BD	15	Undulose, wavy bedding
18		n/a	Massive sandy siltstone
20		n/a	Massive sandy siltstone
22	BD	20	Undulose, wavy bedding
24	BD	0	Irregular, sheared bedding
26	BD	18	
28	BD	35	
30	BD	65	
32	BD	45	
34	BD	20	
36	BD	35	Undulose bedding
38		n/a	Massive sandy siltstone
40	BD	60	
42	BD	42	
44	BD	20	
46		n/a	Massive sandy siltstone
48	BD	25	
50	BD	21	Undulose bedding
52	BD	5	
54	BD	33	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
56	BD	55	
58	BD	50	
60		n/a	
62	BD	30	Undulose bedding
64	BD	40	
66	BD	25	Undulose bedding
68	VN	40	
70	BD	30	
72	BD	22	
74	BD	30	
76	BD	35	
78	BD	40	
80	BD	22	
82	BD	35	
84	BD	25	
86	BD	18	
88	BD	20	
90	BD	20	
92	BD	0	Undulose bedding
94	BD	18	
96	BD	17	EOH





## CRAG EAST

Hole:

Date:

Box #	From (m)	To (m)
1	1.42	4.87
2	4.87	8.46
3	8.46	12.15
4	12.15	16.26
5	16.26	20.42
6	20.42	24.51
7	24.51	28.39
8	28.39	32.48
9	32.48	36.58
10	36.58	40.76
11	40.76	44.83
12	44.83	48.63
13	48.63	52.64
14	52.64	56.54
15	56.54	60.62
16	60.62	64.49
17	64.49	68.35
18	68.35	72.26
19	72.26	76.39
20	76.39	80.34
21	80.34	84.36
22	84.36	88.39
23	88.39	92.51
24	92.51	96.50
25	96.50	97.54
EOH		

## CRAG EAST

**CE-12-09**

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
50	15.24	243.5	268.5	-52.1	57372	78.7	1.001	53.4	0.2	194.9	-0.29	6/7/2012 12:10
100	30.48	243.4	268.4	-52	57366	78.7	1	53.2	357.3	191.9	-1.31	6/7/2012 12:03
150	45.72	244	269	-51.5	57277	78.7	1	53.2	353.6	188.1	-1.6	6/7/2012 11:57
200	60.96	244.9	269.9	-51.1	57285	78.6	1.001	55	347.6	182.3	-1.1	6/7/2012 11:51
250	76.2	245.2	270.2	-51.6	57303	78.7	1	56.3	359.2	194	-0.66	6/7/2012 11:44
300	91.44	245.1	270.1	-51.3	57320	78.7	1	59.5	16.4	211.1	0	6/7/2012 11:36

## CRAG EAST

Hole **CE12-09 Malbec** Note: Not anomalous for any Carlin-type pathfinder elements.

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Ag	Pb	Pb	Zn	Al	Au
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	
5	N833854	1.42	3.05	1.63	0.001	6.7	0.03	0.12	0.4	0.29		21.2		67	0.73	<0.2
5	N833855	3.05	6.10	3.05	0.001	8.9	0.04	0.3	0.69	0.25		26.8		69	0.71	<0.2
5	N833856	6.10	9.14	3.04	0.001	8.1	0.03	0.1	0.56	0.06		22.2		105	0.67	<0.2
5	N833857	9.14	10.75	1.61	0.001	7.7	0.03	0.08	0.44	0.07		23.6		112	0.54	<0.2
5	N833859	10.75	13.72	2.97	0.001	8.8	0.04	0.08	0.59	0.07		23.8		127	0.73	<0.2
5	N833860	13.72	16.76	3.04	0.001	16.2	0.04	0.1	0.63	0.07		20.7		68	0.84	<0.2
5	N833861	16.76	19.00	2.24	0.001	42.7	0.02	0.07	0.32	0.04		17.8		49	0.62	<0.2
5	N833862	19.00	20.10	1.10	<0.001	35.5	0.01	0.06	0.18	0.04		32.9		82	0.54	<0.2
5	N833864	20.10	20.95	0.85	<0.001	27.4	0.02	0.14	1.35	0.16		19.3		46	0.54	<0.2
5	N833866	20.95	22.86	1.91	0.001	36	0.03	0.14	0.31	0.07		21.6		43	0.53	<0.2
5	N833867	22.86	24.38	1.52	<0.001	34.8	0.03	0.1	0.29	0.04		11.2		51	0.58	<0.2
5	N833868	24.38	27.43	3.05	0.001	15.5	0.02	0.17	0.49	0.03		12		40	0.65	<0.2
5	N833869	27.43	30.48	3.05	0.001	14.3	0.05	0.13	0.51	0.04		13.7		65	0.63	<0.2
6	N833870	30.48	33.53	3.05	0.006	7.7	0.02	0.07	0.46	0.04		13.2		37	0.7	<0.2
6	N833871	33.53	36.58	3.05	0.003	5.9	0.02	0.08	0.56	0.05		17		55	0.68	<0.2
6	N833873	36.58	39.62	3.04	0.003	5.9	0.02	0.07	0.43	0.04		18.6		90	0.62	<0.2
6	N833875	39.62	42.67	3.05	0.003	18.6	0.03	0.09	0.56	0.05		19.8		58	0.63	<0.2
6	N833876	42.67	45.72	3.05	0.001	10.6	0.02	0.05	0.25	0.03		13.3		45	0.47	<0.2
6	N833877	45.72	48.77	3.05	0.001	47.6	0.05	0.07	0.41	0.06		14.4		47	0.64	<0.2
6	N833878	48.77	51.82	3.05	0.001	34.1	0.15	0.08	0.58	0.06		22.7		60	0.79	<0.2
6	N833880	51.82	54.86	3.04	0.002	25.8	0.15	0.09	0.57	0.07		21.4		64	0.71	<0.2
6	N833881	54.86	57.91	3.05	0.002	18.2	0.05	<0.05	0.25	0.05		12		30	0.51	<0.2
6	N833882	57.91	60.96	3.05	<0.001	24	0.06	<0.05	0.19	0.04		11.8		33	0.52	<0.2
6	N833883	60.96	64.01	3.05	0.001	25.3	0.24	0.12	0.39	0.08		18.7		20	0.5	<0.2
6	N833884	64.01	66.82	2.81	0.002	151.5	0.29	0.21	0.5	0.12		27.1		70	0.49	<0.2
6	N833885	66.82	68.08	1.26	0.001	112	0.08	0.05	0.16	0.03		9.8		77	0.31	<0.2
6	N833887	68.08	70.10	2.02	0.002	72.8	0.14	0.07	0.38	0.04		14.2		71	0.78	<0.2
6	N833888	70.10	73.15	3.05	0.002	7.2	0.1	0.06	0.25	0.05		14.7		57	0.61	<0.2
6	N833889	73.15	76.20	3.05	0.001	5.8	0.08	0.05	0.31	0.04		9.6		61	0.72	<0.2
6	N833890	76.20	79.25	3.05	0.002	5.3	0.07	0.05	0.33	0.04		25.7		63	0.68	<0.2
6	N833891	79.25	81.76	2.51	0.001	5.8	0.06	0.06	0.39	0.04		17.2		78	0.72	<0.2
6	N833893	81.76	83.90	2.14	0.002	7.6	0.07	0.07	0.3	0.08		21.4		38	0.69	<0.2

## CRAG EAST

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Ag	Pb	Pb	Zn	Al	Au
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	
6	N833894	83.90	85.34	1.44	0.002	5.3	0.03	0.05	0.31	0.05		16.7		59	0.66	<0.2
6	N833895	85.34	88.39	3.05	0.002	8.1	0.06	0.08	0.52	0.07		38		97	0.72	<0.2
6	N833896	88.39	91.44	3.05	0.001	6.5	0.07	0.08	0.33	0.05		24.7		52	0.53	<0.2
6	N833897	91.44	94.49	3.05	0.002	7.7	0.07	0.06	0.43	0.05		21.8		58	0.77	<0.2
6	N833898	94.49	97.54	3.05	0.002	6.6	0.05	0.06	0.42	0.05		20.9		63	0.66	<0.2

### QAQC SAMPLES

6	N833872	1/4 duplicate			0.002	5.6	0.02	0.07	0.5	0.06		18.1		58	0.68	<0.2
6	N833874	GS-4D			3.97	699	5.12	8.22	2	1.38		18.9		146	0.34	<0.2
6	N833879	ME-6			0.274	261	1.26	414	0.21	>100	100	>10000	0.999	5080	1.35	<0.2
6	N833886	Blank			0.001	3	0.01	<0.05	<0.02	<0.01		1.4		13	0.04	<0.2
6	N833892	Blank			0.001	<2	<0.01	<0.05	<0.02	<0.01		1.2		13	0.06	<0.2
5	N833858	1/4 duplicate			0.001	7.3	0.03	0.09	0.42	0.11		40.6		96	0.55	<0.2
5	N833863	blank			<0.001	<2	0.01	<0.05	0.02	0.01		1.2		14	0.05	<0.2
5	N833865	ME6			0.263	253	1.23	439	0.22	98.2		>10000	1.045	5030	1.22	0.2

# CRAG EAST

CE12-09

Sample	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
N833854	20	1090	0.59	0.27	0.86	0.04	18.55	13.4	14	28.3	34.5	5.05	2.69	0.05	0.1	0.049	0.4	7.9	10	0.35	1320
N833855	20	160	1.03	0.43	0.33	0.02	19.8	19.1	13	38.3	36.3	4.49	2.99	0.06	0.11	0.046	0.43	8.8	8.5	0.14	906
N833856	20	160	0.96	0.4	0.55	0.03	17.75	17.2	11	42.8	29.7	4.25	2.5	0.06	0.11	0.05	0.41	7.6	7.4	0.24	883
N833857	20	940	0.64	0.24	1.96	0.05	14.3	11.6	8	30.6	17.7	3.75	1.71	0.05	0.13	0.048	0.37	6.1	4.3	0.8	1200
N833859	20	350	0.95	0.35	1.2	0.03	14.25	15.9	11	35.1	28.3	4.42	2.57	0.05	0.1	0.046	0.48	5.9	7.9	0.88	1050
N833860	30	110	1.3	0.57	0.21	0.01	16.1	22.3	12	41.2	43.6	3.78	3.11	0.05	0.11	0.04	0.57	7	10.2	0.58	668
N833861	20	70	0.54	0.22	1.36	0.03	14.5	12.4	13	31.7	35.6	5.03	2.55	0.06	0.1	0.05	0.41	6.1	11.4	0.92	1490
N833862	10	80	0.35	0.11	1.95	0.05	12.2	9.9	11	25	47	5.35	1.84	0.05	0.09	0.054	0.36	5.1	8.2	1.08	1700
N833864	10	1060	0.61	0.18	0.67	0.01	10.85	13.2	8	22	23.2	3.64	1.45	<0.05	0.09	0.03	0.35	4.3	6.1	0.58	1010
N833866	10	110	0.7	0.25	0.97	0.02	12.45	12.7	8	25.4	29.7	3.97	1.62	<0.05	0.1	0.027	0.37	5	7.9	0.72	1130
N833867	20	110	0.86	0.29	4.81	0.01	17.95	16	8	27.2	23.4	4.46	2.04	0.05	0.09	0.033	0.41	5.7	7.4	2.39	3200
N833868	30	110	1.34	0.48	2.13	<0.01	8.58	19.4	7	40	50.5	2.79	2.1	<0.05	0.12	0.028	0.5	3.4	8.8	1.09	936
N833869	30	90	1.13	0.39	3.27	0.01	13.5	18.8	9	37.2	33.8	3.85	2.36	<0.05	0.12	0.031	0.47	5.2	7.6	1.63	2220
N833870	30	100	0.74	0.32	1.65	0.01	12.7	14.3	10	32.5	35	3.89	2.28	0.07	0.1	0.036	0.48	5.3	8.6	0.89	1370
N833871	30	140	0.84	0.35	0.71	0.02	15.65	15.8	13	37.4	35.5	4.22	2.89	0.08	0.11	0.039	0.48	6.3	10	0.7	1170
N833873	20	280	0.63	0.21	0.89	0.03	14.7	12.4	13	31.4	21.6	3.63	2.57	0.07	0.11	0.029	0.43	5.6	11.1	0.62	991
N833875	20	90	0.97	0.39	0.68	0.02	14.4	17.2	12	32	40	3.95	2.29	0.07	0.11	0.037	0.46	5.7	9.2	0.67	1060
N833876	10	460	0.33	0.09	2.18	0.02	12.4	7	9	20.9	12.5	3.15	1.37	0.07	0.1	0.035	0.32	4.8	6.6	0.85	1370
N833877	20	170	0.84	0.28	0.9	0.01	11.6	15.5	11	30.6	31.8	3.43	2.3	0.06	0.11	0.028	0.45	5	10.4	0.69	869
N833878	20	160	1.25	0.42	0.56	0.01	15.25	18.7	14	38.5	29.5	4.49	2.84	0.08	0.12	0.044	0.53	6.5	14.1	0.76	821
N833880	20	170	0.98	0.32	1.48	<0.01	14.65	18.7	14	35.2	24.6	4.65	2.55	0.07	0.11	0.044	0.48	5.8	14	1.03	1160
N833881	10	120	0.48	0.13	1.04	<0.01	12.8	9.1	9	17.45	16.5	2.98	1.6	0.06	0.12	0.022	0.38	5.5	5.9	0.57	495
N833882	10	90	0.56	0.16	1.28	0.01	10.55	9.2	7	18.75	11.6	2.47	1.47	0.05	0.11	0.023	0.4	4.3	2.9	0.58	485
N833883	10	120	0.77	0.21	2.7	0.01	8.92	14.5	7	15.7	17.5	2.68	1.34	0.05	0.13	0.026	0.38	3.7	3.6	1.09	879
N833884	10	70	0.96	0.29	5.44	0.09	11.25	16.7	5	18.7	27.9	2.85	1.28	0.06	0.13	0.038	0.37	4.3	4.1	2.72	1560
N833885	10	150	0.3	0.08	0.92	0.03	8.82	4.7	9	6.3	16.8	0.92	0.8	<0.05	0.14	0.01	0.21	4.1	1.7	0.31	252
N833887	20	170	1.58	0.45	0.32	0.01	16.05	18.2	13	27.3	47.2	4	2.73	0.06	0.11	0.043	0.48	7.1	15.6	0.61	577
N833888	20	70	1.49	0.46	0.26	0.01	15.2	17.3	13	25.3	48	4.76	2.13	0.08	0.09	0.047	0.35	7	18.9	0.75	701
N833889	30	70	1.48	0.49	0.17	<0.01	19.35	18.3	15	28.6	45.4	4.96	2.68	0.08	0.07	0.05	0.37	8.6	25.4	0.75	647
N833890	30	210	1.43	0.5	0.16	<0.01	17.15	17.5	15	29.4	43.9	4.95	2.69	0.08	0.07	0.048	0.35	7.9	24.1	0.78	659
N833891	30	130	1.45	0.46	0.18	0.01	19.95	17.8	15	31.8	39.7	4.59	2.95	0.09	0.08	0.042	0.39	8.6	18.9	0.7	601
N833893	20	100	0.85	0.27	1.72	0.01	17.15	13.5	11	23.3	24.8	3.95	2.33	0.08	0.09	0.045	0.34	6.8	15.7	0.95	914

## CRAG EAST

Sample	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
N833894	20	110	1.15	0.36	0.28	0.01	16.15	15	12	27.8	44.1	3.95	2.61	0.07	0.11	0.035	0.37	7.3	15.3	0.71	356
N833895	30	110	1.4	0.42	0.43	0.01	12.7	17.6	11	32.8	34.1	4.23	2.72	0.07	0.11	0.038	0.44	5.2	13.7	0.69	419
N833896	20	120	0.64	0.23	4.12	0.01	12.9	11	8	24.4	16.4	4.05	1.71	0.06	0.08	0.039	0.33	5.1	10.2	1.71	1540
N833897	30	170	1.48	0.47	0.6	0.01	15.75	16	13	32.7	35.9	3.84	3.12	0.07	0.09	0.032	0.45	6.6	18.9	0.74	440
N833898	20	70	1.33	0.46	0.2	0.01	15.55	16	13	28.7	32.7	4.78	2.64	0.08	0.09	0.043	0.38	6.3	15.9	0.76	536

N833872	30	150	0.78	0.32	0.92	0.04	15.7	14.8	13	35.7	36.6	4.35	2.65	0.08	0.11	0.039	0.47	6.3	9.9	0.76	1260
N833874	<10	50	0.29	4.43	2.09	1.68	4.48	7.3	20	1.57	72.6	2.94	1.11	0.07	0.2	0.145	0.19	2.4	1.7	0.86	304
N833879	<10	90	0.14	5.83	0.64	24.1	9.16	9.3	33	0.34	6670	5.54	3.66	0.09	0.26	0.438	0.1	4.4	11.8	0.79	1640
N833886	<10	10	<0.05	0.02	18.5	0.06	1.18	0.9	<1	0.37	1.6	0.45	0.11	<0.05	<0.02	0.005	0.03	0.6	1	11.9	213
N833892	<10	20	<0.05	0.03	18.4	0.05	1.24	0.9	<1	0.46	2.4	0.44	0.15	<0.05	<0.02	<0.005	0.03	0.6	1.6	11.75	201
N833858	20	310	0.59	0.24	1.87	0.04	14.45	11.9	8	30.4	15.2	3.82	1.63	0.05	0.13	0.043	0.37	6.4	4.2	0.78	1140
N833863	<10	20	<0.05	0.03	18.5	0.05	1.13	0.7	<1	0.52	1.6	0.47	0.18	<0.05	<0.02	<0.005	0.03	0.5	1.2	11.8	210
N833865	<10	90	0.19	5.09	0.6	24.3	7.94	11.1	31	0.33	6370	5.5	4.34	0.06	0.23	0.388	0.1	3.7	9.1	0.77	1620

# CRAG EAST

CE12-09

Sample	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V	W	Y	Zr
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
N833854	0.41	0.02	0.12	21.4	350	24.5	<0.001	0.06	5.3	0.3	1.6	24.8	<0.01	0.01	9.1	<0.005	0.87	17	0.99	7.74	3.1
N833855	0.43	0.01	0.09	35.8	290	30.5	<0.001	0.05	5.6	0.3	0.7	19	<0.01	0.01	8.8	<0.005	0.96	16	1.69	7.98	3.2
N833856	0.28	0.01	0.06	27.5	340	29.6	<0.001	0.12	5.8	0.3	0.6	20.3	<0.01	0.01	8.7	<0.005	0.89	14	<0.05	9.17	3.3
N833857	0.24	0.02	0.05	16.7	230	23.3	<0.001	0.28	4.5	0.2	0.5	33.8	<0.01	0.01	7.7	<0.005	0.68	10	0.08	8.13	3.6
N833859	0.27	0.02	0.06	28.1	300	30.6	<0.001	0.5	5.5	0.3	0.6	27.1	<0.01	0.01	7.5	<0.005	0.72	14	<0.05	8.5	3.3
N833860	0.36	0.02	0.05	34.4	310	36.5	<0.001	0.63	5.8	0.3	0.7	21	<0.01	0.02	8.3	<0.005	0.9	15	<0.05	8.36	3.5
N833861	0.25	0.02	0.09	21.5	250	26.7	<0.001	0.17	5.2	0.2	0.5	20.4	<0.01	0.01	8.1	0.005	0.56	16	<0.05	6.67	2.8
N833862	0.2	0.02	0.08	15.9	200	21.3	<0.001	0.13	4.9	0.2	0.4	28.1	<0.01	0.01	7.7	<0.005	0.45	13	<0.05	5.79	2.2
N833864	0.26	0.01	<0.05	17.7	310	18.3	<0.001	0.29	4	0.4	1.1	24.9	0.01	0.01	8.2	<0.005	0.45	9	0.39	4.41	2.6
N833866	0.27	0.01	<0.05	18.8	310	20.1	<0.001	0.19	4.4	0.8	0.5	35.7	0.01	0.01	8	<0.005	0.58	10	0.09	5.61	3.1
N833867	0.2	0.02	<0.05	22	490	25.5	<0.001	0.24	4.9	1.2	0.4	74.2	0.01	0.02	5.7	<0.005	0.61	11	<0.05	10.55	3
N833868	0.2	0.01	<0.05	26.9	210	34.8	<0.001	0.19	5.1	0.2	0.5	40.8	0.01	0.04	4.5	<0.005	0.47	9	<0.05	6.74	3.6
N833869	0.32	0.01	<0.05	25.8	300	31.7	<0.001	0.41	5.2	0.9	0.5	54.2	0.01	0.04	6	<0.005	0.56	12	<0.05	8.08	3.4
N833870	0.33	0.01	0.05	22.9	260	29.7	<0.001	0.31	5.2	0.4	0.5	35.9	<0.01	0.02	6.5	<0.005	0.56	13	<0.05	6.85	2.7
N833871	0.32	0.01	0.07	25.1	320	32.7	<0.001	0.25	5.7	0.3	0.6	24.1	<0.01	0.01	7.6	<0.005	0.64	16	<0.05	6.72	3.1
N833873	0.26	0.01	0.08	21.5	350	28.3	<0.001	0.17	4.7	0.3	0.4	28	<0.01	0.01	7.8	0.006	0.54	14	<0.05	6.09	3.3
N833875	0.33	0.01	0.06	27.9	390	29.1	<0.001	0.29	5.3	0.4	0.5	33.5	<0.01	0.02	7.2	<0.005	0.62	13	<0.05	7.42	3.2
N833876	0.19	0.02	0.06	11.3	340	17.6	<0.001	0.11	3.9	0.3	0.3	51.6	<0.01	0.01	6.9	<0.005	0.41	9	<0.05	6.19	3
N833877	0.25	0.01	0.06	25.5	220	27.8	<0.001	0.28	5.1	0.2	0.7	42.7	<0.01	0.01	6.8	<0.005	0.52	12	<0.05	4.55	3
N833878	0.27	0.01	0.06	34	300	34.7	<0.001	0.7	6.5	0.4	0.6	24.6	<0.01	0.02	7.7	<0.005	0.66	16	<0.05	7.82	3.1
N833880	0.31	0.01	0.06	29.7	310	31.2	<0.001	0.5	6.3	0.5	0.6	37	<0.01	0.02	7.6	0.005	0.6	16	<0.05	8.14	2.7
N833881	0.18	0.01	0.05	14.5	210	20.7	<0.001	0.12	3.7	0.2	0.3	54.5	<0.01	0.01	7	<0.005	0.41	9	<0.05	4.05	3.1
N833882	0.19	0.01	<0.05	12	230	20.3	<0.001	0.17	3.9	0.3	0.3	54.3	<0.01	0.01	6.1	<0.005	0.43	8	<0.05	4.27	3.4
N833883	0.39	0.01	0.05	20.9	140	19.4	<0.001	0.96	3.9	0.3	0.3	95.1	<0.01	0.02	4.5	<0.005	0.41	7	<0.05	4.52	4
N833884	0.91	0.02	0.07	26.5	160	20.1	0.001	1.16	3.8	0.5	0.3	132	<0.01	0.02	4	<0.005	0.55	7	<0.05	7.26	4.1
N833885	0.29	<0.01	<0.05	6.2	90	9.6	<0.001	0.18	1.6	<0.2	0.3	41	<0.01	<0.01	4.1	<0.005	0.33	3	0.05	2.41	4.5
N833887	0.34	0.02	0.05	34.6	260	29.7	<0.001	0.27	6.8	0.4	0.6	32.3	<0.01	0.02	7.2	<0.005	0.78	16	<0.05	8.4	3
N833888	0.33	0.03	0.06	35	190	22.8	<0.001	0.23	7.1	0.3	0.5	28	<0.01	0.02	6.5	<0.005	0.7	17	<0.05	6.92	2.5
N833889	0.31	0.04	0.06	37.6	240	25.6	<0.001	0.19	7.9	0.4	0.5	29.4	<0.01	0.02	7.3	<0.005	0.74	19	<0.05	8.28	1.9
N833890	0.3	0.05	0.06	37.1	190	25.9	<0.001	0.19	7.8	0.4	0.5	30.1	<0.01	0.02	6.7	<0.005	0.67	19	<0.05	7.22	1.8
N833891	0.34	0.05	0.06	34.8	300	28.8	<0.001	0.28	7.1	0.4	0.5	25	<0.01	0.02	7.3	<0.005	0.69	19	<0.05	8.68	1.9
N833893	0.71	0.04	0.06	29.7	590	22.1	<0.001	0.79	5.8	0.6	0.4	23.5	<0.01	0.01	6.2	<0.005	0.64	13	<0.05	10.85	2.9



## CRAG EAST

Sample	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V	W	Y	Zr
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
N833894	0.25	0.04	0.05	32.5	190	26	<0.001	0.55	5.5	0.3	0.5	17.5	<0.01	0.02	7.7	<0.005	0.64	14	<0.05	5.53	2.7
N833895	0.32	0.04	0.06	35.8	220	31.6	<0.001	1.23	5.6	0.3	0.5	15.9	<0.01	0.02	6.2	<0.005	0.5	13	<0.05	5.97	3
N833896	0.6	0.04	0.07	21.9	170	21.5	<0.001	0.97	3.9	0.3	0.3	41	<0.01	0.01	4.9	<0.005	0.37	9	<0.05	6.19	2.2
N833897	0.31	0.06	0.05	32.7	230	31.5	<0.001	0.67	6	0.4	0.6	30.8	<0.01	0.02	6.6	<0.005	0.57	15	<0.05	6.51	2.3
N833898	0.29	0.06	0.06	34.6	330	26.9	<0.001	0.46	6.5	0.4	0.5	23.9	<0.01	0.02	7.1	<0.005	0.6	16	<0.05	8.18	2.1

N833872	0.32	0.01	0.06	26.5	340	30.7	<0.001	0.22	5.6	0.4	0.6	30.5	<0.01	0.01	7.5	<0.005	0.6	16	<0.05	7	3
N833874	26.9	<0.01	0.08	73.7	860	12.8	0.037	2	3.3	6.1	2.1	31.8	<0.01	0.7	2.1	<0.005	1.82	61	2.48	7.05	8
N833879	22.2	0.06	0.26	23.2	440	3.2	0.011	2.4	3.4	1.9	1.6	25.7	<0.01	1.16	1	0.091	0.66	43	0.25	6.33	6.8
N833886	0.15	0.01	0.12	2.8	190	1.4	<0.001	0.02	0.4	0.2	<0.2	43.4	<0.01	0.01	<0.2	<0.005	0.51	1	0.05	0.81	<0.5
N833892	0.09	0.01	0.12	2.9	170	1.6	<0.001	0.02	0.4	0.2	<0.2	43.1	<0.01	0.02	<0.2	<0.005	0.49	1	<0.05	0.81	<0.5
N833858	0.26	0.02	0.05	16.9	210	23.4	<0.001	0.3	4.7	0.2	0.5	31.7	<0.01	0.01	7.5	<0.005	0.67	10	0.21	7.76	3.7
N833863	0.08	0.01	<0.05	1.7	160	2.1	<0.001	0.02	0.3	0.3	<0.2	44.8	0.01	<0.01	<0.2	<0.005	0.47	1	<0.05	0.86	<0.5
N833865	19.65	0.06	0.19	25.2	440	3.2	0.008	2.42	4	1.9	1.5	25.7	0.01	1.26	1	0.085	0.67	41	0.23	6	6.6



## CRAG EAST

Hole: CE-12-10

Logger Name: T. Belgrano

Date: July 8, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Type			Conc. (%)
														Type	Intensity					
0.00	3.60	3.60					OVB													Overburden/casing, no recovery.
3.60	76.85	73.25					DST BX	MG FG	MD	GY	BX LA SH	1	1	DCA	1		Re	0.10	x	Interbedded medium grey, generally brecciated dolostone and lightly calcareous limestones, with sections on the 10's cm scale of variably laminated to bedded competent core (large clasts?). Core generally broken into <50 cm pieces, brittle sheared and occasionally folded, occasionally recrystallized into shear fabric. Rebrecciated textures within breccia are common, variably clast to matrix supported. Primary clasts are angular, cm scale width, secondary brecciation is of matrix and clasts, variable cm scale clasts. Joint surfaces often oxidized to brown and are calcareous. White quartz-calcite matrix and veins are variably white to locally yellow and altered to moderate hardness. Variable, moderate to intense quartz carbonate veining, 1-40 mm wide are generally sub-parallel to bedding, with regular spacing giving striped white-grey appearance. Frequent but light, graphitic, black, sooty, powder is present on open joints, occasionally associated with white clay powder and realgar. Minor, localized cherty silicification on joint surfaces is associated with realgar. Occasional coarse crystalline, scarlet red, orange scratching realgar crystals and small masses <10 mm wide are present infilling quartz-carbonate veins, joint surfaces and vugs.
			44.40	51.90	7.50		BX DST	MG FG	MD	GY	BX LA SH	1	1	DCA	1				x	As general description, however, brecciation is focused, core very broken to <30 cm pieces, also oxidized to earthy orange, particularly in matrix. Realgar mineralization is most common as coarse crystalline, scarlet red, orange scratching grains and small masses, <10 mm wide, infilling quartz-carbonate veins, joint surfaces and vugs. One large, white, 10cm thick coarse crystalline calcite vein is present.
76.85	108.20	31.35					LST	FG	MD	GY	BN LA BX						Re Py Om	1.00 1.00 0.20		Medium grey, fine to medium grained limestone and calcareous shale. Bedding is variably finely laminated to occasional ~1 cm banding with occasional medium grained limestone interbeds on the 10 cm scale. Occasional localized shearing, brecciation, ductile folding is scattered throughout. Localized clay alteration, localized decalcification, described in detail below, are both associated with mineralization. Fine crystalline pyrite is seen along primary structure as disseminations associated with alteration. Localized, minor to intense scarlet red-bright orange coarse crystalline realgar, dull green, powdery arsenic oxide alteration and powdery yellow orpiment mineralization is described in detail below.

**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other			
														Type	Intensity		Type			Conc. (%)
			86.11	87.72	1.61		BX	FG	MD LT	GY WH	BX				CLY	2		Re	1.00	Medium grey, calcareous breccia with dark grey angular, limestone clasts 20-40 mm wide in white calcite matrix. Vuggy/spongy textures are seen throughout. Breccia textures are generally clast supported, however localized matrix supported zones are noted. Minor to moderate clay alteration is focused along bands <10 cm wide. Minor coarse crystalline realgar is present, generally replacing 1-10 mm wide blocks of calcite matrix.
			88.71	89.90	1.19		LST	CG	LT	GY	XT							Ca	75.00	Light grey calcite flooded limestone or large calcite vein, comprising 75% coarse crystalline calcite. Occasional clay has infilled joint surfaces.
			89.90	90.30	0.40		BX	FG	MD LT	GY WT	BX									Medium grey breccia with white calcite matrix and elongate, angular, fine grained, medium grey limestone clasts, 5-100 mm wide. Breccia is matrix supported.
			90.50	95.56	5.06		LST BX	FG	MD	GY	LA BX BN				DCA CLY	3 2		Re Om Py	5.00 0.50 3.00	Medium grey, laminated to banded, moderately decalcified, lightly clay altered, lightly brecciated, variably laminated to banded, mineralized limestone/siltstone. No veining. Laminations are soft sediment deformed and then deformed. Breccia is clast supported. Lunchbox red to bright orange realgar is present infilling/replacing matrix and on fracture surfaces, 1-30 mm wide, and is associated with dull green As-oxide alteration and powdery yellow orpiment. Additionally, fine grained, disseminated crystalline pyrite generally seen throughout, local to realgar mineralization.
			95.56	101.90	6.34		SLT DST	FG MG	MD	GY	LA BN SH				CLY DCA SIL	1 3 1		Re	0.20	Medium grey interfingering banded siltstone (decalcified?) and decalcified limestone and dolostone seen as irregular 10's cm scale beds. Siltstone is well laminated to banded, undulose with cm scale relief. Core is moderately cut by 1-8 mm thick calcite veins. Occasional clay altered joint surfaces are sub-parallel to primary structure, attacking 1-2 cm into core. Core is occasionally sheared and lightly brecciated. Occasional light silicification is seen in core with high competence.
			101.90	108.20	6.30		LST SLT	FG	MD	GY	BX SH				CLY	3				Medium grey shear zone comprised of interfingering, siliceous, grey-green shale with variably calcareous, brittlely sheared carbonates of overlying unit. Core is moderately to intensely broken and jointed. Interfingering is 10's cm scale. Intermittent, variably clast to matrix supported breccias with calcareous matrix minerals are seen scattered throughout. Rock is moderately cut by calcite veins variably pre to post-dating deformation. Siltstone beds appear generally undeformed. Where undeformed, carbonate is massive.

**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other			
														Type	Intensity		Type			Conc. (%)
108.20	121.92	13.72					SLT	FG		MN	FO				CLY	1				Maroon to dull green-grey, well foliated massive siltstone. Rock generally appears undeformed. Occasional quartz veining 1-12 mm thick is seen throughout. Minor clay alteration is seen along joint surfaces, <1 cm thickness. Green siltstone and thin carbonate interfingering is present up section over 5.00 m, described in detail below.
									MD	GR	MA									
			108.26	113.38	5.12		SLT	FG	MD	GR	FO				CLY	1				As general description, however, dull green and interbedded, every ~50 cm with cm scale beds of limestone. Occasional shearing is seen throughout. Quartz-carbonate veining, <10 mm thick, is moderate, focused where core is sheared.
	EOH						LST	MG	MD	GY	BD									EOH at 121.92 m, well into maroon shales past targeted carbonate near contact with SHL.

## CRAG EAST

Hole: C-12-10

Logger Name: T. Belgrano

Date: 8 July 2012

Depth (m)	DESCRIPTION
80.85	Dolostone into limestone, gradational contact between dolostone breccia and generally intact, fine grained, more calcareous limestone. Transition is over 4m from 76.85m. Contact zone is shaley, ductilely sheared, flow banded.
108.20	Limestone into Narchillia(?) siltstone: interfingering from 102.47m-111.74m. Shearing evident, likely faulted contact, however, intact siltstone beds interfingering into limestone indicate possibly conformable contact.

## CRAG EAST

Hole: CE-12-10

Logger Name: T. Belgrano

Date: 8 July 2012

2° Structure Type	From (m)	To (m)	Attitude (TCA)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
FR/VT	11.72	34.00	55.00	180.00	100.00			Fracture/quartz-carbonate veinletset, variable orientation to reference angle, but generally orthombic to bedding.	
FR/VT	51.30	59.00	85.00	n/a	30.00			Fracture set generally sub-perpendicular to core axis, variably oriented +/- 20 °	
FR/VT	72.20	74.70	65.00	180.00	20.00			Fracture set ~orthombic to bedding, rough surfaces.	
VT	85.00	89.90	50.00	180.00	30.00	CA		Calcite veinlet set, variable +/-20° orientation, <5 mm thick, often sheared.	
VT	98.56	99.55	80.00	90.00	20.00			Calcite veinlet set, <3 mm thick	
BX	104.55	104.60	40.00	40.00	1.00			Breccia section, not parallel to bedding.	





# CRAG EAST

Hole: CE-12-10

Date: 8 July 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
2.55	3.60	1.05	1.05	100	N833899	6					3.0
		0.00		####	N833900	6				Coarse Reject	
3.60	4.57	0.97	0.97	100	N833901	6					3.0
4.57	6.35	1.78	1.49	84	N833902	6					5.0
6.35	7.62	1.27	1.27	100	N833903	6					4.0
7.62	10.67	3.05	2.86	94	N833904	6					9.5
10.67	13.72	3.05	2.81	92	N833905	6					10.0
13.72	16.76	3.04	2.69	88	N833906	7					9.6
16.76	19.81	3.05	2.92	96	N833907	7					9.5
19.81	21.04	1.23	1.23	100	N833908	7					4.0
		0.00		####	N833909	7				Standard ME-6	0.3
21.04	22.86	1.82	1.57	86	N833910	7					5.0
22.86	25.91	3.05	2.76	90	N833911	7					10.4
25.91	27.61	1.70	1.62	95	N833912	7					5.0
27.61	29.56	1.95	1.86	95	N833913	7					5.8
29.56	31.25	1.69	1.52	90	N833914	7					4.8
31.25	32.55	1.30	1.23	95	N833915	7					3.2
		0.00		####	N833916	7				Blank	3.2
32.55	35.05	2.50	2.50	100	N833917	7					7.4
35.05	36.58	1.53	1.50	98	N833918	7					3.6
36.58	39.01	2.43	2.43	100	N833919	7					7.6
39.01	41.15	2.14	1.81	85	N833920	7					4.5
		0.00		####	N833921	7				Standard GS-4D	0.3
41.15	44.20	3.05	2.67	88	N833922	7					8.2
44.20	47.24	3.04	2.97	98	N833923	7					7.8
47.24	50.29	3.05	2.73	90	N833924	7					8.2
50.29	51.34	1.05	1.05	100	N833925	7					4.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
51.34	53.34	2.00	1.90	95	N833926	7					5.4
				####	N833927	7				1/4 Duplicate	1.8
53.34	56.39	3.05	2.94	96	N833928	7					8.9
56.39	59.44	3.05	2.94	96	N833929	7					9.6
59.44	62.48	3.04	3.05	100	N833930	7					9.8
62.48	65.53	3.05	2.86	94	N833931	7					8.8
65.53	68.58	3.05	3.03	99	N833932	7					9.6
68.58	69.50	0.92	0.90	98	N833933	7					2.4
		0.00		####	N833934	7				Coarse reject	
69.50	70.29	0.79	0.78	99	N833935	7					2.8
70.29	71.63	1.34	1.30	97	N833936	7					3.4
		0.00		####	N833937	7				Blank	4.6
71.63	73.38	1.75	1.74	99	N833938	7					5.2
73.38	75.18	1.80	1.80	100	N833939	7					5.2
75.18	76.60	1.42	1.21	85	N833940	7					3.6
76.60	77.72	1.12	1.00	89	N833941	7					2.6
77.72	80.77	3.05	2.71	89	N833942	8					8.2
80.77	82.30	1.53	1.53	100	N833943	8					5.0
82.30	85.34	3.04	3.04	100	N833944	8					9.4
85.34	86.01	0.67	0.67	100	N833945	8					1.8
86.01	87.05	1.04	1.00	96	N833946	8					2.4
87.05	87.63	0.58	0.57	98	N833947	8					1.0
87.63	89.84	2.21	2.10	95	N833948	8					6.7
89.84	90.34	0.50	0.50	100	N833949	8					1.2
		0.00		####	N833950	8				Standard GS-8B	0.3
90.34	91.44	1.10	0.98	89	N833951	8					3.0
91.44	92.20	0.76	0.74	97	N833952	8					2.0
92.20	94.30	2.10	2.08	99	N833953	8					5.2
94.30	94.86	0.56	0.53	95	N833954	8					2.4
94.86	95.59	0.73	0.73	100	N833955	8					1.2
		0.00		####	N833956	8				Blank	4.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
95.59	97.54	1.95	1.95	100	N833957	8					5.6
97.54	98.51	0.97	0.97	100	N833958	8					2.3
98.51	100.58	2.07	1.97	95	N833959	8					5.1
100.58	101.88	1.30	1.22	94	N833960	8					3.0
101.88	103.63	1.75	1.57	90	N833961	8					4.3
103.63	105.77	2.14	1.72	80	N833962	8					5.2
		0.00		####	N833963	8				Standard ME-6	0.3
105.77	108.20	2.43	2.30	95	N833964	8					6.8
108.20	109.73	1.53	1.53	100	N833965	8					4.0
109.73	111.98	2.25	2.25	100	N833966	8					6.2
111.98	112.78	0.80	0.80	100	N833967	8					1.6
		0.00		####	N833968	8				Blank	3.6
112.78	115.82	3.04	2.96	97	N833969	8					8.0
115.82	118.87	3.05	3.00	98	N833970	8					9.4
118.87	121.92	3.05	3.03	99	N833971	8				EOH	9.2

# CRAG EAST

Hole: CE-12-10

Tech Name: Autumn Hughes

Date: July 8, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
2.05	3.05	1.00	1.00	100	0.13	13	3	2S	1	5W	n/a	0.07	0	1	3R	5W	OVB poor quality core
3.05	4.57	1.52	1.53	101	0.12	8	3	3S	1	4W	60	0.05	0	1	3R	4W	
4.57	6.10	1.53	1.21	79	0.25	16	3	3S	1	3W	65	0.07	0	1	3R	3W	
6.10	7.62	1.52	1.33	88	0.11	7	3	3S	1	1W	70	0.05	0	1	3R	2W	
7.62	10.67	3.05	2.86	94	0.30	10	3	3S	1	1W	75	0.05	0	1	3R	2W	
10.67	13.72	3.05	2.81	92	1.07	35	0	3S	1	1W	55	0.06	0	1	3R	2W	
13.72	16.76	3.04	2.69	88	0.71	23	2	3S	1	1W	70	0.06	0	1	3R	2W	
16.76	19.81	3.05	2.92	96	0.91	30	1	3S	1	1W	65	0.06	0	1	3R	2W	
19.81	22.86	3.05	2.87	94	0.68	22	2	3S	1	1W	70	0.06	20	1	3R	2W	
22.86	25.91	3.05	2.76	90	0.70	23	1	3S	1	1W	70	0.05	0	1	3R	2W	
25.91	28.96	3.05	2.70	89	0.85	28	1	3S	1	1W	60	0.05	0	1	3R	2W	
28.96	32.00	3.04	1.99	65	0.26	9	1	3S	1	1W	70	0.05	0	1	3R	2W	
32.00	35.05	3.05	3.00	98	0.46	15	1	3S	1	1W	60	0.03	0	1	3R	2W	
35.05	36.58	1.53	1.50	98	0.35	23	3	3S	1	1W	60	0.03	0	1	3R	2W	
36.58	39.01	2.43	2.43	100	0.12	5	3	3S	1	1W	60	0.03	0	3	3R	2W	rubble
39.01	41.15	2.14	1.81	85	0.31	14	3	3S	1	1W	65	0.04	0	3	3R	2W	
41.15	44.20	3.05	2.67	88	0.79	26	3	3S	1	1W	50	0.05	0	1	3R	2W	
44.20	47.24	3.04	2.97	98	0.00	0	3	3S	1	1W	50	0.05	0	1	3R	2W	rubble
47.24	50.29	3.05	2.73	90	0.67	22	3	3S	1	1W	60	0.06	0	1	3R	2W	
50.29	53.34	3.05	2.90	95	1.35	44	3	3S	1	1W	70	0.07	20	1	3R	2W	
53.34	56.39	3.05	2.94	96	2.35	77	2	3S	1	1W	70	0.12	0	1	3R	2W	
56.39	59.44	3.05	2.94	96	2.49	82	3	3S	1	1W	70	0.15	0	1	3R	2W	
59.44	62.48	3.04	3.05	100	2.30	76	3	3S	1	1W	75	0.12	0	1	3R	2W	
62.48	65.53	3.05	2.86	94	1.90	62	3	3S	1	1W	65	0.1	0	1	3R	2W	
65.53	68.58	3.05	3.03	99	2.71	89	4	3S	1	1W	70	0.17	0	1	3R	1W	
68.58	71.63	3.05	3.00	98	2.80	92	3	3S	1	1W	55	0.18	0	1	3R	1W	
71.63	74.68	3.05	2.89	95	1.82	60	3	3S	1	1W	65	0.08	0	1	3R	2W	
74.68	77.72	3.04	2.72	89	1.27	42	3	3S	1	1W	60	0.1	0	1	3R	1W	
77.72	80.77	3.05	2.71	89	1.90	62	4	3S	1	1W	60	0.11	0	1	3R	1W	
80.77	82.30	1.53	1.53	100	1.42	93	4	3S	1	1W	50	0.19	0	1	3R	1W	
82.30	85.34	3.04	3.04	100	2.51	83	4	3S	1	1W	40	0.13	0	1	3R	1W	
85.34	88.39	3.05	2.94	96	2.44	80	4	3S	1	1W	60	0.18	40	1	3R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
88.39	91.44	3.05	2.91	95	2.36	77	4	4S	1	1W	50	0.15	0	1	3R	1W	
91.44	94.49	3.05	3.05	100	2.55	84	3	4S	1	1W	80	0.16	0	3	3R	1W	
94.49	97.54	3.05	2.95	97	2.31	76	0	3S	1	1W	60	0.14	30	1	3R	1W	
97.54	100.58	3.04	2.94	97	2.45	81	1	3S	1	1W	55	0.16	10	3	3R	1W	
100.58	103.63	3.05	2.69	88	1.95	64	1	3S	1	1W	80	0.1	70	3	3R	1W	
103.63	105.77	2.14	1.72	80	0.65	30	4	3S	1	1W	60	0.07	70	3	3R	1W	
105.77	108.20	2.43	2.30	95	1.62	67	4	4S	1	1W	50	0.14	80	3	3R	1W	
108.20	109.73	1.53	1.45	95	0.98	64	0	3S	1	1W	40	0.14	0	1	2R	1W	
109.73	112.78	3.05	2.81	92	1.64	54	1	3S	1	1W	50	0.08	40	1	2R	1W	
112.78	115.82	3.04	2.96	97	2.19	72	0	3S	1	1W	55	0.11	0	1	2R	1W	
115.82	118.87	3.05	3.00	98	2.62	86	0	4S	1	1W	45	0.13	0	1	2R	1W	
118.87	121.92	3.05	3.03	99	3.03	99	0	4S	1	1W	30	0.34	0	1	2R	1W	EOH

# CRAG EAST

Hole: CE-12-10

Date: 9 July 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
4	JT	25	
6	VT/FR	80	
8	FR	70	
10	FR	80	
12	FO	35	
14	LA	50	
16	LA/VT	35	
18	LA/VN	25	
20	VN	35	
22	VN	30	
24	VN	20	poor
26	FO	15	
28	VN	20	
30	VN	25	
32	VT/FR	40	
34	VN	20	
36	FR	45	poor
38	NA		rubble
40	VN	38	
42	FR	40	
44	FR	45	
46	FR	45	
48	VN	30	
50	VN	30	
52	LA/VT	25	
54	VN	25	
56	BD	20	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
58	VN	65	
60	FR	65	
62	BD	20	
64	LA	35	
66	VN/FO	65	
68	VT	45	
70	VT	70	
72	VT	35	
74	VT	40	
76	VT/SH	40	
78	LA	60	
80	BD	20	
82	LA	25	
84	LA	35	
86	NA		BX
88	BN	50	
90	BN	45	
92	LA	0	Undulose
94	LA	20	
96	BN	30	
98	LA	15	variable
100	LA	15	variable
102	LA	30	
104	FR/LA	15	
106	LA	25	
108	LA	35	
110	FO	30	
112	FO	50	
114	FO	30	

# CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
116	FO	30	
118	FO	30	
120	FO	25	
121.92	FO	30	EOH





## CRAG EAST

Hole: CE-12-10 8-Jul-12

Box #	From (m)	To (m)
1	2.05	5.30
2	5.30	9.00
3	9.00	12.72
4	12.72	16.76
5	16.76	20.86
6	20.86	24.67
7	24.67	28.45
8	28.45	32.34
9	32.34	35.96
10	35.96	38.78
11	38.78	42.20
12	42.20	45.30
13	45.30	49.09
14	49.09	53.06
15	53.06	57.22
16	57.22	61.31
17	61.31	65.27
18	65.27	69.17
19	69.17	73.03
20	73.03	76.85
21	76.85	81.12
22	81.12	85.20
23	85.20	89.57
24	89.57	93.78
25	93.78	97.76
26	97.76	102.05
27	102.05	106.02
28	106.02	110.16

## CRAG EAST

29	110.16	113.88
30	113.88	118.00
31	118.00	121.92
EOH		

## CRAG EAST

### CE-12-10

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
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\*No survey on handheld Ranger unit.

# CRAG EAST

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		614676.391	7107204.646	1388.223	316.08

**ZONE:** Merlot Zone

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-11

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	301	-45	Compass				

**CLAIM:** Crag 473/ Crag 3

Contractor: Platinum Drilling

Drill: A-5

Core size: NQ2 Reduced at: \_\_\_\_\_ (m)

Casing depth: 6.36 (m) in / out

Drilling dates: \_\_\_\_\_ July 9th to July 14, 2012

**TARGET:** Test possible cross-cutting features in 2011 drill area

Geology logged by: K. Unger

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	6.36	6.36	OVB	OVB/casing, no recovery
6.36	89.14	82.78	DST	Massive, variably brecciated grey dolostone
89.14	115.90	26.76	DST/OX	Grey to red, dolstone/clay, much clay washed away.
115.90	122.10	6.20	DST	Grey to brown, brecciated, variably clay alt. dolostone
122.10	156.55	34.45	DST	Grey dolostone with clay and As-oxide alteration
156.55	157.58	1.03	DST	Grey and black, sooty, crackled dolostone with realgar
157.58	166.20	8.62	DST	Grey dolostone, intermittent grungy yellow clay alteration
166.20	172.58	6.38	DST	Grey to black, sooty dolostone with realgar
172.58	182.64	10.06	DST	Grey dolostone with patchy crackle breccia
182.64	221.39	38.75	DST	Massive, weakly brecciated dolostone.
221.39	300.28	78.89	DST	Massive, variably brecciated grey dolostone
300.28	316.08	15.80	DST	Grey to red dolostone with red staining and coatings.

SAMPLES	
Numbers:	N833972-N834000, L842001-L842013, L842050-L842147
Total:	140
Batch:	8, 9, 10, 11, 12
Date Sent:	
Certificate:	WH12163816, WH12163466, WH12166691, WH12166677, WH12168816

COMMENTS
Rods broke off down hole, 310' of 600' left down hole were recovered. Hole terminated. CE-12-12 drilled to mirror CE-12-11 to recovered lost red clay material. Black, sooty material with silvery and metallic yellow sulphide grains visible under hand lens intersected 156.55-157.58 m and 166.20-182.64 m.

## CRAG EAST

Hole: CE-12-11

Logger Name: K. Unger

Date: July 10, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other				
														Type	Intensity			Type			Conc. (%)	
0.00	6.36	6.36					OVB														Overburden/casing, no recovery	
6.36	316.08	309.72					DST	CG	MD DK	GY GY	BX BX						0.01				x	Medium to dark grey, variably brecciated dolostone. Core is typically coarse grained, medium grey, massive dolostone (dolomitized limestone?) with narrow, light grey to creamy orange crackle breccia. Intermittent solution collapse breccia textures are present, with coarse grained, creamy orange to white dolomite matrix supporting medium to dark grey dolostone clasts. Core appears massive with no bedding, often exhibiting rebrecciation, crackle breccia overprints solution collapse breccia textures, and by small offsets of breccia clasts. Trace bright orange realgar is present as fracture fills and platy crystals within solution breccia matrix at 63.80 m.
			61.15	66.51	5.36		DST	CG	MD DK	GY GY	BX BX						0.01				x	Medium to dark grey, variably brecciated dolostone with irregular, stylonitic structures. Core typically exhibits crackle breccia with intermittent patches of coarse grained, white to light grey, dolomitic solution breccia, with irregular, stylonitic structures often as margins of solution breccia textures. Amplitude of stylolites up to 9 mm, appearing to be crosscut by crackle breccia, though offsets of stylolites not seen.
			67.72	84.43	16.71		DST	CG	MD	GY	BX						0.01				x	Medium grey, variably crackle brecciated, polymictic dolostone (debris flow?). Core is comprised of medium to dark grey, well rounded to subangular clasts <1.3 cm in size, supported by medium to fine grained, medium grey, often vuggy dolomitic matrix. Vugs typically <1 mm in size, at times partially filled with white dolomite. Crackle breccia textures vary throughout, generally moderate though intense crackling is present on 10 cm scales. Crackle breccia is matrix olive green, at times with dull orange coatings (drill product? at end of box, grease-like). Trace realgar present as small flecks in calcite-quartz veining crosscutting crackle breccia textures and as a fracture fill at 70.18 m.
			84.43	89.14	4.71		DST	CG	MD	GY	BX	1										Medium grey, variably brecciated, weakly oxidized dolostone. Core is blocky, with patchy red-orange staining of solution breccia matrix, and a few red, clay lined joints. Core fractures preferentially 70 degrees to core axis. Rock appears massive, no bedding textures are apparent. Breccia textures become more crackled with depth with a red and rusty white crackle breccia matrix.
			89.14	115.90	26.76		DST	CG	MD RD	GY RD	BX RD	4		CLY	4						x	Medium grey to anomalous red, variably brecciated dolostone and clay. Core is variably rubbly, typically blocky, competent chunks of massive, grey dolostone with red to rusty-white crackle to solution breccias with patches of tectonic breccia textures. Tectonic breccia textures are defined by subangular, <1 cm clasts of grey dolostone, variably clast to matrix supported in red to grungy yellow clay matrix. Drillers report 7.92 m of washed away material between 93.57 m and 105.77 m. Core fractures preferentially at 80 degrees to core axis.









## CRAG EAST

Hole: CE-12-11

Logger Name: K. Unger

Date: July 10, 2012

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
BX	26.60	28.73	62	n/a				Preferential orientation in crackle breccia fabric, 62 degrees to core axis	
FR	58.08		n/a			Rg	70.00	Narrow fracture fills (crackle breccia?) of realgar in angular fractures with orange realgar and soft grey clay, fractures <1mm wide and irregularly oriented, changing attitude (no measurement)	
BX	73.71	77.74	40	n/a				Preferential orientation in olive green crackle breccia fabric, 30-50 degrees to core axis. Best exhibited locally over 10 cm scales where brecciation is most intense (fault planes?)	
FR	70.18		75	n/a		Rg	100.00	Realgar filled fracture, 1-2 mm wide, 75 degrees to core axis.	
VN	71.63	77.08	65	n/a		Ca	75.00	Calcite-quartz veins, coarse grained, white calcite and quartz with rare flecks of red realgar are oriented typically 60-70 degrees to core axis, 9-11 mm wide, though widths and orientations vary to as low as 3 mm and 30 degrees to core axis.	
BX	98.20	104.48	20	n/a				Realgar filled fracture, 1-2 mm wide, 75 degrees to core axis. TRFE measurement n/a, BX through massive coarse grained DST with zones of red clay, most of which has been washed away.	
BX	118.06	122.12	65					Preferential orientation in breccia fabric, 65 degrees to core axis.	
BX	119.04	125.81	60	0.00				Preferential orientation in solution breccia structures, 40 to 65 degrees to core axis (parallel along relict bedding?)	
VT	143.98		58	n/a		Rg	100.00	Bright orange realgar veinlet/fracture fills in solution breccia, 58 degrees to core axis, 1-3 mm wide, crosscutting randomly oriented solution breccia structures	
ST	157.58		15	n/a				black, sinuous, <1 to 3 mm thick, stylolitic structures with massive DST on one side and solution brecciated dolostone on the other. Stylolites are irregularly oriented, generally 15 degrees to core axis.	
FR	155.77		35	n/a		Rg	100.00	Rg filled fractured fractures, 6 mm wide, 35-40 degrees to core axis, cross cutting sBX matrix and clasts.	
VN	164.28		40	n/a				Yellow-white, opaque, vcoarse grained calcite vein, 40 degrees to core axis, 7 cm wide.	
FR	187.30	199.90	30	n/a	24.00			Core fractures preferentially 30 degrees to core axis, stained with grungy green arsenic oxide, 1-3 mm per metre.	
VT	205.72		75	n/a		Ca	85.00	White, coarse grained, calcite-quartz veinlets, 2-8 mm wide, generally oriented 60-80 degrees to core axis, though orientations vary. Trace realgar (<1%) present as brilliant red, coarse grained grains.	
FR	263.64	263.72	65	n/a		Rg	100.00	Orange Rg veinlets/fracture fills, crosscutting/infilling sBX textures, generally <1 mm wide, up to 2 mm.	
ST	283.55	286.10	10					Irregular, <1-1 mm wide, stylolitic structures, generally oriented 10-15 degrees to core axis, solution breccia textures on margins of some stylolitic structures.	



## CRAG EAST

Hole: CE-12-11

Date: July 10, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
6.36	8.23	1.87	1.87	100	N833972	8					4.5
8.23	11.28	3.05	2.52	83	N833973	8					5.2
		0.00		#DIV/0!	N833974	8				1/4 Duplicate	2.5
11.28	14.33	3.05	2.63	86	N833975	8					6.7
		0.00		#DIV/0!	N833976	8				Coarse Reject	
14.33	17.37	3.04	2.71	89	N833977	8					6.9
17.37	20.42	3.05	2.99	98	N833978	9					7.0
20.42	23.47	3.05	3.05	100	N833979	9					7.6
23.47	26.52	3.05	3.02	99	N833980	9					7.6
26.52	29.57	3.05	2.97	97	N833981	9					7.0
		0.00		#DIV/0!	N833982	9				Coarse Reject	-
29.57	32.61	3.04	2.98	98	N833983	9					8.0
32.61	35.66	3.05	2.98	98	N833984	9					7.4
35.66	38.71	3.05	3.03	99	N833985	9					6.9
38.71	41.76	3.05	2.95	97	N833986	9					7.2
41.76	44.81	3.05	2.81	92	N833987	9					6.8
44.81	47.85	3.04	2.95	97	N833988	9					7.2
		0.00		#DIV/0!	N833989	9				Standard GS-4D	0.3
47.85	50.90	3.05	2.80	92	N833990	9					6.9
50.90	53.95	3.05	2.95	97	N833991	9					7.3
53.95	57.00	3.05	3.00	98	N833992	9					7.6
		0.00		#DIV/0!	N833993	9				Blank	5.2
57.00	60.05	3.05	3.04	100	N833994	9					7.4
60.05	63.09	3.04	2.89	95	N833995	9					7.3
		0.00		#DIV/0!	N833996	9				Standard GS-4D	0.3
63.09	66.14	3.05	2.97	97	N833997	9					7.6
66.14	67.72	1.58	1.50	95	N833998	9					3.7

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
67.72	69.19	1.47	1.42	97	N833999	9					3.0
69.19	72.24	3.05	2.96	97	N834000	9					7.6
72.24	75.29	3.05	3.00	98	L842001	9				Sequence change	7.6
		0.00		#DIV/0!	L842002	9				Blank	3.2
75.29	78.33	3.04	3.00	99	L842003	9					7.6
		0.00		#DIV/0!	L842004	9				1/4 Duplicate	3.0
78.33	81.38	3.05	3.01	99	L842005	9					7.4
81.38	84.43	3.05	2.91	95	L842006	9					7.9
84.43	87.48	3.05	2.85	93	L842007	9					7.4
87.48	89.14	1.66	1.55	93	L842008	9					3.7
89.14	90.53	1.39	1.31	94	L842009	9					3.0
90.53	93.57	3.04	2.67	88	L842010	9					6.4
93.57	96.62	3.05	1.82	60	L842011	9					4.2
96.62	99.67	3.05	0.59	19	L842012	9					1.0
99.67	102.72	3.05	0.24	8	L842013	9					0.5
102.72	105.77	3.05	2.30	75	L842050	10					5.2
105.77	108.81	3.04	2.87	94	L842051	10					7.2
		0.00		#DIV/0!	L842052	10				Blank	3.1
108.81	111.86	3.05	2.29	75	L842053	10					5.0
		0.00		#DIV/0!	L842054	10				Coarse Reject	-
		0.00		#DIV/0!	L842055	10				Standard GS-4D	0.3
111.86	114.91	3.05	2.95	97	L842056	10					6.4
114.91	115.90	0.99	0.97	98	L842057	10					2.2
115.90	117.96	2.06	1.89	92	L842058	10					4.4
117.96	121.01	3.05	2.88	94	L842059	10					6.6
121.01	122.10	1.09	1.04	95	L842060	10					2.3
122.10	124.05	1.95	1.83	94	L842061	10					4.0
124.05	127.10	3.05	3.04	100	L842062	10					7.9
127.10	130.15	3.05	2.92	96	L842063	10					7.7
130.15	133.20	3.05	3.05	100	L842064	10					8.0
133.20	136.25	3.05	3.05	100	L842065	10					8.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
136.25	139.29	3.04	3.05	100	L842066	10					7.5
139.29	142.34	3.05	3.05	100	L842067	10					8.4
		0.00		#DIV/0!	L842068	10				1/4 Duplicate	2.8
142.34	145.39	3.05	3.00	98	L842069	10					7.6
145.39	148.44	3.05	2.86	94	L842070	10					7.0
148.44	151.49	3.05	2.92	96	L842071	10					7.6
151.49	154.53	3.04	3.04	100	L842072	10					7.4
154.53	156.55	2.02	1.94	96	L842073	10					4.6
156.55	157.08	0.53	0.50	94	L842074	10					0.6
		0.00		#DIV/0!	L842075	10				Blank	4.0
157.08	157.58	0.50	0.44	88	L842076	10					0.6
157.58	160.63	3.05	3.02	99	L842077	10					7.2
160.63	163.68	3.05	2.93	96	L842078	10					7.0
163.68	166.20	2.52	2.52	100	L842079	10					6.2
166.20	167.20	1.00	0.99	99	L842080	10					2.4
		0.00		#DIV/0!	L842081	10				Standard GS-8B	0.3
167.20	169.77	2.57	2.56	100	L842082	10					5.4
169.77	171.55	1.78	1.64	92	L842083	10					3.3
171.55	172.05	0.50	0.43	86	L842084	10					0.4
172.05	173.85	1.80	1.71	95	L842085	10					3.6
173.85	175.87	2.02	2.02	100	L842086	11					4.7
175.87	178.92	3.05	2.98	98	L842087	11					7.6
		0.00		#DIV/0!	L842088	11				Blank	3.2
178.92	179.92	1.00	0.99	99	L842089	11					2.0
179.92	182.64	2.72	2.70	99	L842090	11					6.6
		0.00		#DIV/0!	L842091	11				Coarse Reject	
182.64	185.01	2.37	2.31	97	L842092	11					5.2
185.01	188.06	3.05	2.96	97	L842093	11					7.1
188.06	191.11	3.05	2.95	97	L842094	11					7.2
		0.00		#DIV/0!	L842095	11				Blank	4.0
191.11	194.16	3.05	3.01	99	L842096	11					7.2

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
		0.00		#DIV/0!	L842097	11				1/4 Duplicate	2.4
194.16	197.21	3.05	2.92	96	L842098	11					7.0
197.21	200.25	3.04	2.92	96	L842099	11					7.9
200.25	203.30	3.05	3.00	98	L842100	11					8.3
203.30	206.35	3.05	2.87	94	L842101	11					7.6
206.35	209.40	3.05	2.98	98	L842102	11					7.8
209.40	212.45	3.05	3.03	99	L842103	11					6.9
212.45	215.49	3.04	3.04	100	L842104	11					7.4
215.49	218.54	3.05	0.30	10	L842105	11					6.8
218.54	221.59	3.05	2.92	96	L842106	11					8.1
221.59	224.64	3.05	3.05	100	L842107	11					8.5
224.64	227.69	3.05	2.97	97	L842108	11					7.9
227.69	230.73	3.04	3.01	99	L842109	11					8.5
230.73	233.78	3.05	3.02	99	L842110	11					8.1
233.78	236.83	3.05	3.04	100	L842111	11					8.0
		0.00		#DIV/0!	L842112	11				Standard ME-6	0.3
		0.00		#DIV/0!	L842113	11				Standard GS-4D	0.3
236.83	239.88	3.05	2.96	97	L842114	11					8.1
239.88	242.93	3.05	3.05	100	L842115	11					8.0
242.93	245.97	3.04	3.03	100	L842116	11					8.5
245.97	249.02	3.05	3.03	99	L842117	11					8.0
249.02	252.07	3.05	3.03	99	L842118	11					7.8
252.07	255.12	3.05	3.05	100	L842119	11					8.3
255.12	258.17	3.05	2.98	98	L842120	11					8.0
258.17	261.21	3.04	3.02	99	L842121	11					8.5
261.21	264.26	3.05	3.01	99	L842122	12					7.8
264.26	267.31	3.05	3.05	100	L842123	12					8.4
267.31	270.36	3.05	2.91	95	L842124	12					7.8
270.36	273.41	3.05	3.05	100	L842125	12					8.0
273.41	276.45	3.04	2.90	95	L842126	12					7.6
276.45	279.50	3.05	2.95	97	L842127	12					8.2

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
279.50	281.70	2.20	2.16	98	L842128	12					6.4
281.70	282.20	0.50	0.47	94	L842129	12					1.4
		0.00		#DIV/0!	L842130	12				Blank	2.6
282.20	284.53	2.33	2.20	94	L842131	12					5.8
284.53	285.60	1.07	1.07	100	L842132	12					2.8
		0.00		#DIV/0!	L842133	12				Coarse Reject	-
285.60	288.65	3.05	2.96	97	L842134	12					7.8
288.65	291.69	3.04	2.90	95	L842135	12					7.6
291.69	294.74	3.05	2.94	96	L842136	12					8.4
		0.00		#DIV/0!	L842137	12				Standard ME-6	0.3
294.74	297.79	3.05	3.05	100	L842138	12					8.0
297.79	300.08	2.29	2.23	97	L842139	12					6.0
300.08	300.84	0.76	0.76	100	L842140	12					2.0
300.84	303.89	3.05	2.99	98	L842141	12					6.2
				#DIV/0!	L842142	12				1/4 Duplicate	3.0
303.89	306.93	3.04	2.27	75	L842143	12					6.2
306.93	309.98	3.05	2.61	86	L842144	12					7.2
309.98	313.03	3.05	2.30	75	L842145	12					5.6
313.03	316.08	3.05	0.62	20	L842146	12					1.2
				#DIV/0!	L842147	12				Blank	4.2



## CRAG EAST

Hole: CE-12-12

Tech Name: A. Hughes

Date:

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
6.36	8.23	1.87	1.87	100	0.53	28	0	1	4S	1W	50	0.08	0	1	3R	1W	
8.23	11.28	3.05	2.52	83	0.58	19	0	1	4S	1W	55	0.07	0	1	3R	2W	
11.28	14.33	3.05	2.63	86	1.38	45	1	1	3S	1W	70	.11	10	1	3R	2W	
14.33	17.37	3.04	2.71	89	1.87	62	1	1	3S	1W	60	.09	0	3	3R	1W	
17.37	20.42	3.05	2.99	98	2.54	83	1	1	3S	1W	70	.15	0	3	3R	1W	
20.42	23.47	3.05	3.05	100	2.86	94	1	1	3S	1W	60	.20	0	1	3R	1W	
23.47	26.52	3.05	3.02	99	2.71	89	1	1	3S	1W	60	.20	0	1	3R	1W	
26.52	29.57	3.05	2.97	97	2.42	79	1	1	3S	1W	70	.14	0	1	3R	1W	
29.57	32.61	3.04	2.98	98	1.92	63	1	1	3S	1W	80	.10	0	1	3R	1W	
32.61	35.66	3.05	2.98	98	2.34	77	1	1	3S	1W	65	.10	0	1	3R	1W	
35.66	38.71	3.05	3.03	99	1.03	34	1	1	3S	1W	80	.06	0	1	3R	2W	
38.71	41.76	3.05	2.95	97	1.84	60	1	1	3S	1W	80	.09	0	1	3R	2W	
41.76	44.81	3.05	2.81	92	1.27	42	1	1	3S	1W	85	.26	0	1	3R	1W	
44.81	47.85	3.04	2.95	97	2.13	70	1	1	3S	1W	80	.10	0	1	3R	2W	
47.85	50.90	3.05	2.80	92	1.58	52	1	1	3S	1W	70	.07	0	1	3R	2W	
50.90	53.95	3.05	2.95	97	2.29	75	1	1	3S	1W	70	.12	0	1	3R	1W	
53.95	57.00	3.05	3.00	98	2.51	82	1	1	3S	1W	80	.14	0	1	3R	1W	
57.00	60.05	3.05	3.04	100	2.45	80	1	1	3S	1W	70	.15	0	1	2R	1W	
60.05	63.09	3.04	2.89	95	2.22	73	1	1	3S	1W	70	.14	0	1	2R	1W	
63.09	66.14	3.05	2.97	97	2.46	81	1	1	3S	1W	80	.13	0	1	2R	1W	
66.14	69.19	3.05	2.96	97	2.54	83	1	1	3S	1W	80	.14	0	1	2R	1W	
69.19	72.24	3.05	2.96	97	2.39	78	1	1	3S	1W	70	.15	0	1	2R	1W	
72.24	75.29	3.05	3.00	98	2.83	93	1	1	3S	1W	60	.17	0	1	3R	1W	
75.29	78.33	3.04	3.00	99	2.81	92	1	1	3S	1W	80	.25	0	1	3R	1W	
78.33	81.38	3.05	3.01	99	2.53	83	1	1	3S	1W	80	.12	0	1	3R	1W	
81.38	84.43	3.05	2.91	95	2.32	76	1	1	3S	1W	90	.17	0	1	3R	1W	
84.43	87.48	3.05	2.85	93	1.36	45	1	1	3S	1W	75	.10	10	2	3R	1W	
87.48	90.53	3.05	2.95	97	2.16	71	1	1	3S	1W	75	.12	4	2	3R	1W	
90.53	93.57	3.04	2.67	88	2.25	74	1	1	3S	2W	50	.18	0	2	3R	2W	
93.57	96.62	3.05	1.82	60	1.64	54	1	1	3S	1W	60	.34	0	2	3R	1W	
96.62	99.67	3.05	0.59	19	0.30	10	1	1	3S	1W	n/a	n/a	0	2	3R	1W	6 ft washed away
99.67	102.72	3.05	0.24	8	0.00	0	1	1	3S	1W	n/a	n/a	0	2	3R	1W	8ft. Washed away

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
102.72	105.77	3.05	2.30	75	1.49	49	1	1	3S	1W	90	.13	50	1	3R	1W	9ft washed away
105.77	108.81	3.04	2.87	94	1.02	34	1	1	3S	1W	90	.18	0	2	3R	1W	
108.81	111.86	3.05	2.29	75	0.84	28	1	1	3S	1W	90	.12	0	2	3R	1W	partial rubble
111.86	114.91	3.05	2.95	97	1.82	60	1	1	3S	2W	75	.12	10	1	3R	3W	
114.91	117.96	3.05	2.94	96	2.20	72	1	1	3S	1W	60	.15	170	1	3R	2W	
117.96	121.01	3.05	2.88	94	2.39	78	1	1	3S	1W	60	.15	0	1	3R	2W	
121.01	124.05	3.04	2.94	97	2.85	94	1	1	3S	1W	85	.22	0	1	3R	1W	
124.05	127.10	3.05	3.04	100	2.66	87	1	1	3S	1W	80	.30	0	1	3R	1W	
127.10	130.15	3.05	2.92	96	2.53	83	1	1	3S	1W	70	.20	0	3	3R	1W	
130.15	133.20	3.05	3.05	100	2.89	95	1	1	3S	1W	70	.18	0	3	3R	1W	
133.20	136.25	3.05	3.05	100	2.63	86	1	1	3S	1W	80	.16	0	3	3R	1W	
136.25	139.29	3.04	3.05	100	2.86	94	1	1	3S	1W	65	.25	0	2	3R	1W	
139.29	142.34	3.05	3.05	100	2.35	77	1	1	3S	1W	60	.20	0	2	3R	1W	
142.34	145.39	3.05	3.00	98	2.98	98	1	1	3S	1W	90	.28	0	1	3R	1W	
145.39	148.44	3.05	2.86	94	2.72	89	1	1	3S	1W	55	.28	0	1	3R	2W	
148.44	151.49	3.05	2.92	96	2.36	77	1	1	3S	1W	65	.15	0	1	3R	1W	
151.49	154.53	3.04	3.05	100	2.54	84	1	1	3S	1W	40	.25	0	1	3R	1W	
154.53	157.58	3.05	2.88	94	2.76	90	1	1	3S	1W	70	.23	0	3	3R	1W	
157.58	160.63	3.05	3.02	99	2.57	84	1	1	3S	1W	80	.15	0	1	3R	1W	
160.63	163.68	3.05	2.93	96	2.93	96	1	1	3S	1W	75	.34	0	1	3R	1W	
163.68	166.73	3.05	3.05	100	3.05	100	2	1	3S	1W	80	.28	0	1	3R	1W	
166.73	169.77	3.04	2.99	98	2.75	90	1	1	3S	1W	70	.18	0	1	3R	1W	
169.77	172.82	3.05	2.92	96	2.43	80	2	1	3S	1W	70	.15	0	3	3R	1W	
172.82	175.87	3.05	3.05	100	2.93	96	1	1	3S	1W	75	.22	0	1	3R	1W	
175.87	178.92	3.05	2.98	98	2.81	92	1	1	3S	1W	90	.18	0	1	3R	1W	
178.92	181.97	3.05	3.00	98	2.98	98	1	1	3S	1W	65	.25	0	1	3R	1W	
181.97	185.01	3.04	2.96	97	2.52	83	1	1	3S	1W	75	.14	0	1	3R	1W	
185.01	188.06	3.05	2.96	97	2.47	81	1	1	3S	1W	70	.17	0	1	3R	1W	
188.06	191.11	3.05	2.95	97	2.05	67	1	1	3S	1W	70	.10	0	1	2R	2W	
191.11	194.16	3.05	3.01	99	2.61	86	1	1	3S	1W	65	.13	0	1	2R	1W	
194.16	197.21	3.05	2.92	96	2.03	67	1	1	3S	1W	70	.10	0	1	2R	1W	
197.21	200.25	3.04	2.92	96	1.96	64	2	1	3S	1W	60	.10	0	1	2R	2W	
200.25	203.30	3.05	3.00	98	2.45	80	2	1	3S	1W	80	.13	0	1	2R	1W	
203.30	206.35	3.05	2.87	94	2.26	74	1	1	3S	1W	80	.10	0	1	2R	1W	
206.35	209.40	3.05	2.98	98	2.80	92	2	1	3S	1W	80	.19	0	1	2R	1W	
209.40	212.45	3.05	3.03	99	2.53	83	2	1	3S	1W	80	.13	0	1	2R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
212.45	215.49	3.04	3.05	100	2.70	89	2	1	3S	1W	70	.14	0	1	2R	1W	
215.49	218.54	3.05	3.00	98	2.38	78	2	1	3S	1W	70	.13	0	1	3R	1W	
218.54	221.59	3.05	2.92	96	2.46	81	2	1	3S	1W	80	.15	0	1	3R	1W	
221.59	224.64	3.05	3.05	100	2.83	93	2	1	3S	1W	90	.16	0	1	3R	1W	
224.64	227.69	3.05	2.97	97	2.57	84	2	1	3S	1W	70	.17	0	1	3R	1W	
227.69	230.73	3.04	3.01	99	2.52	83	3	1	3S	1W	70	.17	0	1	3R	1W	
230.73	233.78	3.05	3.02	99	2.94	96	3	1	3S	1W	75	.22	0	1	3R	1W	
233.78	236.83	3.05	3.04	100	2.81	92	3	1	3S	1W	65	.25	0	1	3R	1W	
236.83	239.88	3.05	2.96	97	2.75	90	3	1	3S	1W	60	.18	0	1	3R	1W	
239.88	242.93	3.05	3.05	100	3.02	99	3	1	3S	1W	50	.31	0	1	3R	1W	
242.93	245.97	3.04	3.03	100	2.68	88	3	1	3S	1W	70	.23	0	1	3R	1W	
245.97	249.02	3.05	3.03	99	2.82	92	4	1	3S	1W	70	.20	0	1	3R	1W	
249.02	252.07	3.05	3.03	99	2.76	90	3	1	3S	1W	65	.20	50	1	3R	1W	
252.07	255.12	3.05	3.05	100	2.62	86	3	1	3S	1W	70	.19	0	2	3R	1W	
255.12	258.17	3.05	2.98	98	2.07	68	3	1	3S	1W	65	.11	0	2	3R	1W	
258.17	261.21	3.04	3.02	99	2.84	93	3	1	3S	1W	80	.25	0	1	3R	1W	
261.21	264.26	3.05	3.01	99	2.85	93	3	1	3S	1W	70	.38	0	1	3R	1W	
264.26	267.31	3.05	3.05	100	2.63	86	3	1	3S	1W	75	.17	0	1	3R	1W	
267.31	270.36	3.05	2.91	95	1.52	50	3	1	3S	1W	80	.09	0	1	3R	1W	
270.36	273.41	3.05	3.05	100	2.35	77	4	1	3S	1W	75	.15	0	1	3R	1W	
273.41	276.45	3.04	2.9	95	2.46	81	2	1	3S	1W	80	.13	0	1	3R	1W	
276.45	279.50	3.05	2.95	97	2.11	69	2	1	3S	1W	60	.12	0	1	3R	1W	
279.50	282.55	3.05	2.92	96	1.97	65	3	1	3S	1W	70	.13	0	1	3R	1W	
282.55	285.60	3.05	3.03	99	2.87	94	2	1	3S	1W	75	.23	0	3	3R	1W	
285.60	288.65	3.05	2.96	97	2.43	80	2	1	3S	1W	80	.17	0	1	3R	1W	
288.65	291.69	3.04	2.9	95	2.57	85	2	1	3S	1W	70	.15	0	1	3R	1W	
291.69	294.74	3.05	2.99	98	2.78	91	2	1	3S	1W	85	.18	0	1	3R	1W	
294.74	297.79	3.05	3.05	100	2.69	88	2	1	3S	1W	65	.15	0	1	3R	1W	
297.79	300.84	3.05	2.99	98	2.18	71	2	1	3S	1W	80	.14	0	1	3R	1W	
300.84	303.89	3.05	2.78	91	0.39	13	3	1	3S	1W	75	.06	0	1	3R	1W	
303.89	306.93	3.04	2.27	75	1.19	39	3	1	3S	1W	75	.10	0	1	3R	1W	partial rubble
306.93	309.98	3.05	2.61	86	1.96	64	3	1	3S	1W	80	.14	0	3	3R	1W	partial rubble
309.98	313.03	3.05	2.3	75	2.07	68	3	1	3S	1W	85	.22	0	3	3R	1W	box very jumbled - may have been dropped at drill
313.03	316.08	3.05	0.62	20	0.22	7	4	1	3S	1W	80	.18	0	3	3R	1W	missing large section of core EOH

# CRAG EAST

Hole: CE-12-09

Date:

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
8	n/a		massive dolostone, no primary
10	n/a		
12	n/a		
14	n/a		
16	n/a		
18	n/a		
20	n/a		
22	n/a		
24	n/a		
26	n/a		
28	n/a		
30	n/a		
32	n/a		
34	n/a		
36	n/a		
38	n/a		
40	n/a		
42	n/a		
44	n/a		
46	n/a		
48	n/a		
50	n/a		
52	n/a		
54	n/a		
56	n/a		
58	n/a		
60	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
62	n/a		
64	n/a		
66	n/a		
68	n/a		
70	n/a		
72	n/a		
74	n/a		
76	n/a		
78	n/a		
80	n/a		
82	n/a		
84	n/a		
86	n/a		
88	n/a		
90	n/a		
92	n/a		
94	n/a		
96	n/a		
98	n/a		
100	n/a		
102	n/a		
104	n/a		
106	n/a		
108	n/a		
110	n/a		
112	n/a		
114	n/a		
116	n/a		
118	BD	45	BX parallel along relict bedding

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
120	BD	52	BX parallel along relict bedding
122	BD	60	BX parallel along relict bedding
124	BD	50	BX parallel along relict bedding
126	n/a		
128	n/a		
130	n/a		
132	n/a		
134	n/a		
136	n/a		
138	n/a		
140	n/a		
142	n/a		
144	n/a		
146	n/a		
148	n/a		
150	n/a		
152	n/a		
154	n/a		
156	n/a		
158	n/a		
160	n/a		
162	n/a		
164	n/a		
166	n/a		
168	n/a		
170	n/a		
172	n/a		
174	n/a		
176	n/a		
178	n/a		

# CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
180	n/a		
182	n/a		
184	n/a		
186	n/a		
188	n/a		
190	n/a		
192	n/a		
194	n/a		
196	n/a		
198	n/a		
200	n/a		
202	n/a		
204	n/a		
206	n/a		
208	n/a		
210	n/a		
212	n/a		
214	n/a		
216	n/a		
218	n/a		
220	n/a		
222	n/a		
224	n/a		
226	n/a		
228	n/a		
230	n/a		
232	n/a		
234	n/a		
236	n/a		
238	n/a		

# CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
240	n/a		
242	n/a		
244	n/a		
246	n/a		
248	n/a		
250	n/a		
252	n/a		
254	n/a		
256	n/a		
258	n/a		
260	n/a		
262	n/a		
264	n/a		
266	n/a		
268	n/a		
270	n/a		
272	n/a		
274	n/a		
276	n/a		
278	n/a		
280	n/a		
282	n/a		
284	n/a		
286	n/a		
288	n/a		
290	n/a		
292	n/a		
294	n/a		
296	n/a		
298	n/a		



## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
300	n/a		
302	n/a		
304	n/a		
306	n/a		
308	n/a		
310	n/a		
312	n/a		
314	n/a		
316	n/a		



## CRAG EAST

Hole:

Date:

Box #	From (m)	To (m)
1	6.36	10.63
2	10.63	15.26
3	15.26	20.78
4	20.78	26.28
5	26.28	31.30
6	31.30	36.71
7	36.71	41.57
8	41.57	46.75
9	46.75	51.78
10	51.78	57.00
11	57.00	62.42
12	62.42	67.97
13	67.97	73.31
14	73.31	78.91
15	78.91	84.43
16	84.43	89.85
17	89.85	97.95
18	97.95	107.83
19	107.83	113.31
20	113.31	118.81
21	118.81	124.31
22	124.31	129.70
23	129.70	135.15
24	135.15	140.56
25	140.56	146.14
26	146.14	151.60
27	151.60	157.22
28	157.22	162.52

## CRAG EAST

29	162.52	167.91
30	167.91	173.35
31	173.35	178.77
32	178.77	184.24
33	184.24	189.69
34	189.69	194.85
35	194.85	200.27
36	200.27	205.50
37	205.50	210.97
38	210.97	216.23
39	216.23	221.74
40	221.74	227.44
41	227.44	232.97
42	232.97	238.50
43	238.50	243.87
44	243.87	249.28
45	249.28	254.80
46	254.80	259.86
47	259.86	265.28
48	265.28	270.58
49	270.58	275.96
50	275.96	281.23
51	281.23	286.71
52	286.71	292.06
53	292.06	297.48
54	297.48	302.57
55	302.57	308.57
56	308.57	316.08
EOH		

## CRAG EAST

### CE-12-11

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
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\*No survey, hole lost and redrilled as CE-12-12



**CRAG EAST**

Hole: CE-12-12

Logger Name: K. Unger

Date: July 14, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				DETAILED DESCRIPTION				
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other		Photo			
														Type	Intensity			Type			Conc. (%)		
0.00	6.79	6.79					OVB														Overburden/casing, no recovery		
6.79	142.34	135.55					DST	CG	MD	GY	BX										x	Grey, variably brecciated, coarse grained, massive dolostone. Core is typically coarse grained, medium grey dolostone (dolomitized limestone?) with variable solution to crackle breccia textures. Solution breccia is typically coarse grained, white dolomitic matrix that is variably clast to matrix supported, at times overprinted by light grey to olive green crackle breccia. Clay and oxidation alteration intermittent and variable in strength, generally weak throughout.	
			108.82	110.55	1.73		DST	CG	MD	GY	BX	3		CLY	3							Medium grey, variably brecciated, coarse grained dolostone with orange clay alteration. Orange clay is present as gouge-like material along joint faces and as crackle to tectonic breccia matrix crosscutting solution breccia matrix. solution breccia matrix is stained orange to anomalous red-purple, staining increases with depth.	
			110.55	115.80	5.25		DST	CG	MD	GY	BX	2										x	Grey, coarse grained dolostone with pale orange staining. Core is grey dolostone with solution breccia matrix that has been stained a pinky-orange. Crackle breccia textures begin to dominate with depth, powdery brick red-orange coatings are present on open joint faces, the frequency of which increases with depth. Oxidation alteration is variably calcareous, some powdery red-orange coatings react moderately with HCl.
			115.80	121.47	5.67		DST	CG	RD	MD	GY	BX	4									x	Brick red to grey, clay and oxidation altered, solution brecciated dolostone. Oxidation is variable in strength, present in bands of intense alteration to moderate alteration exhibited by staining of solution breccia matrix minerals. Red clay bands alternate between blocks of light to dark grey, competent solution brecciated dolostone. Clay is typically brick red (when recovered) with some rusty-yellow sections on margins of some blocks of competent core. Dolostone blocks exhibit pinky-white staining of solution breccia matrix minerals which are crosscut by irregular blobs/veinlets of coarse grained calcite. Recovery is poor throughout section.
			121.47	142.34	20.87		DST	CG	MD	GY	BX							0.01					Medium to light grey, variably brecciated dolostone with scattered, black, stylolitic structures and trace realgar. Solution breccia textures are irregular and convolute (shear?) with a patchy, cryptic fabric commonly oriented ~40 degrees to core axis. This fabric is discontinuous, at times hosting tectonic breccia textures with <5 mm, sub angular clasts supported in a medium grey matrix, preferentially aligned with "shear" fabric. Breccia textures are crosscut by irregularly oriented stylolitic structures, with solution and other breccia textures truncated by stylolite margins. Solution breccia structures is variably calcareous, coarse grained and generally white with creamy-yellow patches of solution breccia matrix up hole. Trace realgar is present as fracture fills in dolostone.
									LT	GY	BX												EOH, past targeted clay/oxide zone. Recovery of clay/oxide material better than CE-12-11, though still poor, <50% in some sections.









## CRAG EAST

Hole: CE-12-12

Date: July 14, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
105.77	108.81	3.04	2.75	90	L842148	12					6.4
108.81	110.55	1.74	1.41	81	L842149	12					3.6
110.55	111.86	1.31	0.94	72	L842150	12					2.2
		0.00		####	L842151	12				Standard GS-8B	0.3
111.86	114.91	3.05	2.86	94	L842152	12					7.6
114.91	115.80	0.89	0.89	100	L842153	12					2.2
115.80	118.57	2.77	1.02	37	L842154	12					2.8
118.57	119.20	0.63	0.35	56	L842155	12					1.2
119.20	121.01	1.81	0.56	31	L842156	12					1.4
121.01	121.47	0.46	0.33	72	L842157	12					1.0
121.47	124.05	2.58	2.58	100	L842158	13					7.0
124.05	127.10	3.05	3.05	100	L842159	13					7.4
127.10	130.15	3.05	2.83	93	L842160	13					7.8
130.15	133.20	3.05	3.03	99	L842161	13					8.2
133.20	136.25	3.05	3.05	100	L842162	13					7.8
136.25	139.29	3.04	3.05	100	L842163	13					8.2
139.29	141.04	1.75	1.75	100	L842164	13					4.6
		0.00		####	L842165	13				Coarse Reject	-
141.04	142.34	1.30	1.29	99	L842166	13					3.0
		0.00		####	L842167	13				Blank	3.8

# CRAG EAST

Hole: CE-12-12

Tech Name: Autmun Hughes

Date: July 14, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity		Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
												Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
6.79	8.23	1.44	1.44	100	0.55	38	2	1	3S	1W	60	0	140	1	3R	2W		
8.23	11.28	3.05	2.45	80	1.30	43	2	1	3S	1W	60	0.07	0	1	3R	2W		
11.28	14.33	3.05	2.62	86	0.97	32	3	1	3S	1W	70	0.06	10	3	3R	2W		
14.33	17.37	3.04	2.80	92	1.82	60	3	1	3S	1W	55	0.09	0	1	3R	1W		
17.37	20.42	3.05	3.02	99	2.76	90	3	1	3S	1W	70	0.2	0	1	3R	1W		
20.42	23.47	3.05	3.05	100	2.93	96	3	1	3S	1W	60	0.2	0	1	3R	1W		
23.47	26.52	3.05	2.97	97	2.51	82	2	1	3S	1W	65	0.15	0	1	3R	1W		
26.52	29.57	3.05	3.03	99	2.41	79	2	1	3S	1W	70	0.13	30	1	3R	2W		
29.57	32.61	3.04	2.89	95	2.12	70	1	1	3S	1W	70	0.1	0	1	3R	1W		
32.61	35.66	3.05	3.03	99	2.70	89	1	1	3S	1W	60	0.15	0	1	3R	1W		
35.66	38.71	3.05	3.00	98	2.71	89	1	1	3S	1W	75	0.13	0	3	3R	2W		
38.71	41.76	3.05	2.97	97	1.96	64	2	1	3S	1W	75	0.08	0	1	3R	2W		
41.76	44.81	3.05	2.91	95	1.90	62	2	1	3S	1W	70	0.08	0	1	3R	2W		
44.81	47.85	3.04	2.81	92	2.40	79	2	1	3S	1W	75	0.1	0	1	3R	2W		
47.85	50.90	3.05	2.84	93	2.24	73	2	1	3S	1W	85	0.1	0	1	3R	1W		
50.90	53.95	3.05	2.83	93	1.29	42	2	1	3S	1W	70	0.07	0	1	3R	2W		
53.95	57.00	3.05	2.96	97	1.28	42	1	1	3S	1W	80	0.07	0	1	3R	2W		
57.00	60.05	3.05	3.02	99	2.74	90	1	1	3S	1W	70	0.17	0	1	3R	1W		
60.05	63.09	3.04	3.05	100	2.53	83	2	1	3S	1W	65	0.13	0	1	3R	1W		
63.09	66.14	3.05	2.55	84	1.74	57	2	1	3S	1W	75	0.08	0	1	3R	1W		
66.14	69.19	3.05	2.91	95	2.66	87	2	1	3S	1W	75	0.15	0	1	3R	1W		
69.19	72.24	3.05	3.01	99	2.35	77	2	1	3S	1W	70	0.13	0	1	3R	1W		
72.24	75.29	3.05	3.02	99	2.62	86	1	1	3S	1W	70	0.19	0	1	3R	1W		
75.29	78.33	3.04	3.03	100	2.55	84	2	1	3S	1W	70	0.16	0	1	3R	2W		
78.33	81.38	3.05	2.83	93	2.76	90	1	1	3S	1W	70	0.18	0	1	3R	1W		
81.38	84.43	3.05	2.94	96	2.02	66	1	1	3S	1W	70	0.11	0	3	3R	2W		
84.43	87.48	3.05	3.01	99	2.42	79	1	1	3S	1W	70	0.13	0	1	3R	2W		
87.48	90.53	3.05	2.83	93	2.22	73	2	1	3S	1W	65	0.11	0	3	3R	2W		
90.53	93.57	3.04	2.86	94	2.35	77	1	1	3S	1W	70	0.14	0	1	3R	2W		
93.57	96.62	3.05	2.77	91	1.48	49	2	1	3S	1W	60	0.07	0	3	3R	2W		
96.62	99.67	3.05	2.89	95	2.15	70	2	1	3S	1W	60	0.11	0	3	3R	2W		
99.67	102.72	3.05	2.75	90	1.63	53	3	1	3S	1W	60	0.09	0	3	3R	2W		

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
102.72	105.77	3.05	2.93	96	2.57	84	3	1	3S	1W	70	0.18	160	3	3R	2W	
105.77	108.81	3.04	2.75	90	2.27	75	1	1	3S	1W	70	0.14	0	3	3R	2W	
108.81	111.86	3.05	2.44	80	1.93	63	2	1	3S	1W	70	0.15	0	2	3R	3W	
111.86	114.91	3.05	2.86	94	2.79	91	2	1	3S	1W	75	0.34	0	3	3R	2W	drilled 5 feet, recovered 4'6"
114.91	117.96	3.05	1.46	48	0.96	31	1	1	3S	2W	80	0.18	0	2	3R	3W	drilled 8 feet, recovered 3'11"
117.96	121.01	3.05	1.38	45	1.04	34	2	1	3S	5W	80	0.18	400	1	3R	5W	drilled 5',recovered 4.5'
121.01	124.05	3.04	3.00	99	2.68	88	2	1	3S	1W	70	0.28	160	1	3R	2W	
124.05	127.10	3.05	3.05	100	2.76	90	1	1	3S	1W	60	0.2	0	3	3R	1W	
127.10	130.15	3.05	2.83	93	2.49	82	1	1	3S	1W	70	0.28	0	2	3R	1W	
130.15	133.20	3.05	3.03	99	2.80	92	2	1	3S	1W	80	0.25	0	2	3R	1W	
133.20	136.25	3.05	3.05	100	2.87	94	2	1	3S	1W	60	0.31	0	1	3R	1W	
136.25	139.29	3.04	3.05	100	2.69	88	1	1	3S	1W	60	0.22	0	1	3R	1W	
139.29	142.34	3.05	3.05	100	3.05	100	2	1	3S	1W	70	0.34	0	1	3R	1W	EOH

# CRAG EAST

Hole: CE-12-12

Date: July 14, 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
8	n/a		primary structures
10	n/a		
12	n/a		
14	n/a		
16	n/a		
18	n/a		
20	n/a		
22	n/a		
24	n/a		
26	n/a		
28	n/a		
30	n/a		
32	n/a		
34	n/a		
36	n/a		
38	n/a		
40	n/a		
42	n/a		
44	n/a		
46	n/a		
48	n/a		
50	n/a		
52	n/a		
54	n/a		
56	n/a		
58	n/a		
60	n/a		

# CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
62	n/a		
64	n/a		
66	n/a		
68	n/a		
70	n/a		
72	n/a		
74	n/a		
76	n/a		
78	n/a		
80	n/a		
82	n/a		
84	n/a		
86	n/a		
88	n/a		
90	n/a		
92	n/a		
94	n/a		
96	n/a		
98	n/a		
100	n/a		
102	n/a		
104	n/a		
106	n/a		
108	n/a		
110	n/a		
112	n/a		
114	n/a		
116	n/a		
118	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
120	n/a		
122	n/a		
124	n/a		
126	n/a		
128	n/a		
130	n/a		
132	n/a		
134	n/a		
136	n/a		
138	n/a		
140	n/a		
142	n/a		





## CRAG EAST

Hole: CE-12-12

Date: July 14,

Box #	From (m)	To (m)
1	6.79	12.01
2	12.01	16.53
3	16.53	21.97
4	21.97	27.29
5	27.29	32.61
6	32.61	38.13
7	38.13	43.49
8	43.49	48.94
9	48.94	53.95
10	53.95	59.19
11	59.19	64.80
12	64.80	70.20
13	70.20	75.92
14	75.92	81.63
15	81.63	87.12
16	87.12	92.53
17	92.53	97.80
18	97.80	103.41
19	103.41	109.47
20	109.47	115.28
21	115.28	122.60
22	122.60	128.21
23	128.21	133.55
24	133.55	139.14
25	139.14	142.34
EOH		

## CRAG EAST

### CE-12-12

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
67	20.42	8.7	33.7	-43.6	21438	-6.9	0.998	40.1	29.7	40.8	-121.12	7/16/12 9:06:31 AM
117	35.66	274.6	299.6	-43.5	57542	79	0.998	40.6	25.8	221	-0.4	7/16/12 9:03:31 AM
167	50.90	274.4	299.4	-43.6	57501	79.1	0.997	40.6	23.1	218.2	-0.53	7/16/12 9:00:21 AM
217	66.14	274.6	299.6	-43.9	57474	79.1	0.998	40.6	24.1	219.3	-0.89	7/16/12 8:57:11 AM
267	81.38	275.2	300.2	-44.1	57480	79	0.997	40.3	20.3	215.5	-0.92	7/16/12 8:54:41 AM
317	96.62	275.7	300.7	-44.4	57530	79.1	0.997	39.9	20.4	215.7	-3.72	7/16/12 8:52:41 AM
367	111.86	278.3	303.3	-44.6	58164	79.3	0.998	39	13.9	209	-1.88	7/16/12 8:50:01 AM
417	127.10	277	302	-44.7	57294	78.6	0.998	37.9	27.9	224	-11.46	7/16/12 8:47:11 AM
467	142.34	268.9	293.9	-44.9	58372	80.7	0.998	45.3	27.8	220.7	0	7/16/12 8:13:21 AM

# CRAG EAST

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		614127.212	7107511.018	1263.522	325.22

**ZONE:** Merlot Zone

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-13

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	45	-45	Compass	203.3	42.8	-45.8	Ranger Survey
50.90	42.4	-44.6	Ranger Survey	249.02	43.4	-46.7	Ranger Survey
111.86	42.6	-45	Ranger Survey	309.98	83.9	-46.9	Ranger Survey
157.58	42.5	-45.3	Ranger Survey	325.22	43.8	-46.8	Ranger Survey

**CLAIM:** Crag 474/ Crag East 3

Contractor: Platinum

Drill: A5

Core size: NQ2 Reduced at: \_\_\_\_\_ (m)

Casing depth: 3.87 (m) in / **out**

Drilling dates: \_\_\_\_\_ July 17 to July 22, 2012

**TARGET:** Cut NW trending mineralized structure in area of elevated Au+As

Geology logged by: K. Unger

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	3.87	3.87	OVB	Overburden/casing, no recovery
3.87	81.83	77.96	LST	Light to dark grey, interbedded silty limestone
81.83	155.08	73.25	LST	grey, massive, variably dolomite altered limestone
155.08	166.78	11.70	FLT	grey-yellow, clay and decarb altered faulted limestone
166.78	169.29	2.51	MX	Black, realgar bearing, altered limestone
169.29	171.09	1.80	LST	Grey, solution brecciated limestone with stylolites
171.09	226.30	55.21	DST	Variably brecciated grey dolostone
226.30	247.55	21.25	DST	Massive, weakly brecciated dolostone
247.55	251.00	3.45	DST	Intensely brecciated dolostone (fault?)
251.00	277.75	26.75	DST	Variably brecciated dolostone
277.75	316.79	39.04	SHL	Maroon and grey-green shale
316.79	325.22	8.43	GRT	Grey, silicious coarse grained grit.

SAMPLES	
Numbers:	<u>L842168-L842315</u>
Total:	<u>148</u>
Batch:	<u>13, 14, 15, 16, 17</u>
Date Sent:	_____
Certificate:	<u>WH12174436, WH12174435, WH12175998, WH1215999, WH1219905</u>

COMMENTS



**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other				
														Type	Intensity		Type			Conc. (%)	
81.83	155.08	73.25					LST	CG	MD	GY	MA				DOL	3					
			81.83	86.72	4.89		LST	CG	LT	GY	BX				DOL	4				x	Light to medium grey, variably brecciated, strongly dolomite altered limestone. Core appears rebrecciated, with solution breccia textures appearing as breccia clasts in rock. Breccia textures decrease with depth, changing from solution to crackle breccia downhole. Dolomite alteration increases with depth, becoming intense as brecciation decreases. Irregular, black stylonitic structures are present intermittently throughout. Often along margins of breccia clasts and truncating breccia textures. Weak oxidation alteration is exhibited on some open joints as powdery red clay.
									MD	GY	BX				OX	2					
			109.28	111.32	2.04		VN	CG		WT										x	White to dark brick red to dark grey, coarse grained calcite vein. Upper margin of vein is strongly brecciated (fault?) with angular to subrounded, dark to light grey clasts supported in red to white, variably calcareous matrix. Core becomes predominantly white, coarse grained (dolomite altered?) calcite, reacting variably with HCl. Lower contact of vein is sharp and planar, with medium grey limestone below.
										RD	BX										
155.08	166.78	11.70					FLT	CG	DK	GY	BX				CLY	4	0.01			x	Dark grey to rusty yellow, strongly BX, variably CLY and DCA/DOL altered, faulted LST(?). Irregular, amoeboid to angular clasts of altered LST in variably, matrix to clast supported breccia with rusty yellow to grey, variably clay-like matrix. Breccia textures cBX to tBX, overprinting earlier sBX textures. Trace realgar is present as brilliant red to bright orange fracture fills. Core is blocky with rubby sections where CLY alteration is strongest, easily broken with fingers into chunks <1 cm in size.
										YL	BX				DCA	3					
166.78	169.29	2.51					LST		BK						CLY	4	2.00			x	Black, strongly decalcified and clay altered, variably brecciated, realgar bearing limestone. Core is typically coarse grained, black, blocky to rubble with brilliant red to bright orange realgar aggregates and fracture fills proximal to white, <1 cm quartz blebs. Core is interbedded and pitted up hole, carbonate beds(?) preferentially more pitted than other beds. Core becomes less pitted, brecciated and more clay altered down hole. Black clay on fracture faces of core become grey when rubbed between fingertips with white quartz grains visible with hand lens. Dark grey breccia clasts with realgar filled fractures are supported by a black, fine grained matrix. Lower contact is sharp, appearing faulted with angular clasts of light and medium grey reactive limestone are supported in a soft, black, realgar bearing matrix against medium and light grey, solution brecciated limestone downhole.
									DK	GY	BX				DCA	4					

**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other				
														Type	Intensity		Type			Conc. (%)	
169.29	171.09	1.80					LST	MG	MD LT	GY GY	BD BD						0.01				
171.09	226.30	55.21					DST	CG	MD LT	GY GY	BX BX			DOL	4		0.01				Medium to light grey, variably sBX to cBX, DOL altered (?) LST/DST. Core is typically strongly sBX, with patches up to 2 m of intensely sBX rock where white, CG, sBX matrix makes up 70% or more of rock. Dark blue-grey, cBX often overprints sBX textures. sBX clasts are typically medium grey, massive, CG, strongly DOL altered LST generally lacking bedding textures. Trace Rg is present as platy crystals of dull, red-orange on some open fractures.
			215.78	219.40	3.62		DST	CG	MD DK	GY GY	BD BD			DOL	4						Medium to dark grey, variably brecciated, interbedded dolomite altered limestone (dolostone). Breccia fabric is parallel with relict interbeds of medium and dark grey host rock. Dark grey beds make up about 20% of core, and are up to 1 cm thick. coarse grained, white dolomite solution breccia structures run parallel to narrow dark grey interbeds, and are up to 2.5 cm thick.
			224.14	226.30	2.16		DST	CG	MD DK	GY GY	BX BX			DOL	4		0.01				Medium to dark grey, variably brecciated, intensely dolomite altered limestone (dolostone). Core appears rebrecciated with clasts of earlier breccia textures supported in a grey or white, solution to tectonic breccia matrix overprinted with variable crackle breccia textures. Rebrecciated textures are often convolute, without a common fabric (fault?).
226.30	247.55	21.25					DST	CG	MD	GY	MA										Medium grey, coarse grained, massive dolostone (dolomite altered limestone?) Bedding and breccia textures are generally absent. Dolomitic, light to dark grey grains are held within a medium grey dolomitic matrix. Solution breccia textures are weak and intermittent, patchy, coarse grained white dolomite solution breccia textures start appearing with depth.
247.55	251.00	3.45					DST	CG	MD DK	GY GY	BX BX										Medium to dark grey, intensely brecciated dolostone. Core is made up of angular to sub-angular clasts of tectonic breccia. Clasts exhibit rebrecciation, solution breccia textures can be seen within clasts set within a dark to medium grey, dolomitic matrix. Breccia is clast to matrix supported with a convolute fabric that lacks common orientation. Breccia textures generally increases with depth from crackle breccia along upper margin to tectonic breccia throughout (fault? Debrite?).

### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other			
														Type	Intensity		Type			Conc. (%)
251.00	277.75	26.75					DST	CG	MD LT	GY GY	BX BX									
			264.45	266.93	2.48		DST	CG	LT MD	GY GY	BX BX			BLE	4					Light to medium grey, variably brecciated, strongly bleached dolostone with intermittent, stylolitic structures. Core becomes lighter with depth as bleaching increases. Bleached alteration is proximal to powdery white calcite filled fractures with irregular orientations. Black, sinuous, stylolitic structures are present on the margins of breccia structures, with soft, black masses forming ameboid shapes, supporting clasts of beached dolostone material. Stylolitic structures decrease with depth as bleached alteration increases.
277.75	316.79	39.04					SHL	FG	DK	MN GY	BD BD			CLY	2					Maroon to green grey, fine grained, thinly bedded shale. Core is typically maroon or dark grey with green bands up to 45 cm wide. Beds are apparent as <1 mm thick laminations to beds 4-5 mm thick. Intermittent quartz veining is seen throughout as irregularly oriented stringers and blobs. Weak clay alteration is seen on some joint faces and where core appears deformed/sheared.
			314.28	316.79	2.51		SHL	FG	DK	GY GN				CLY	3					Dark grey to green, interbedded and sheared shale and coarse grained grey grit. Core exhibits shear, shale beds are variably clay altered and deformed, often with blocks of broken beds of grit in soft grey clay (fault?).
316.79	325.22	8.43					GRT	CG	MD DK	GY GY	MA MA									Medium to dark grey, coarse grained, variably brecciated, non calcareous, silicious, massive grey grit. Patches of dark-grey to black crackle breccia textures are seen throughout, crosscut by intermittent, narrow quartz veinlets. EOH, hole through fault with rusty yellow limestone rubble above black, realgar bearing altered limestone. Hole well into expected shale footwall, hole terminated.



## CRAG EAST

Hole: CE-12-13

Logger Name: K. Unger

Date: July 18, 2012

Depth (m)	Description
81.83	Sharp, undulate contact with silty, interbedded limestone up hole and brecciated massive, coarse grained limestone below.
155.08	Gradational contact, more brecciated and sheared with depth over 25 cm before fault textures dominate.
166.78	Sharp, weakly undulate contact, creamy yellow brecciated matrix with subrounded white-grey <1 cm polyolithic clasts up hole against black to dark grey, decalcified altered brecciated limestone, oriented 60 degrees to core axis.
169.29	Sharp contact, 52 degrees to core axis with reactive limestone breccia clasts in black matrix uphole against grey, solution brecciated limestone below.
171.09	Sharp contact, brecciated grey limestone up hole against strongly dolomitic solution brecciated dolostone downhole, oriented 35-60 degrees to core axis, 0 degrees to up hole bedding with clasts of grey carbonate in black, FG matrix.
247.55	Gradational contact, brecciated increases with depth, becoming strongly crackle brecciated, overprinting sbrecciated textures over 1.5 m, becoming tbrecciated in texture at 247.55 m.
251.00	Sharp contact, brecciated (debrite?) texture uphole, solution breccia dolostone below knife edge contact at 251.00 m, 43 degrees to core axis.
277.55	Sharp contact, grey massive dolostone above maroon shale, 55 degrees to core axis.
316.79	Sheared contact between shale and grit, broken blocks of grit interbeds supported in sheared, clay altered shale, becoming massive grit below 316.79 m.









## CRAG EAST

Hole: CE-12-13

Date: July 17, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
3.87	5.18	1.31	1.22	93	L842168	13					2.8
5.18	8.23	3.05	0.94	31	L842169	13					1.6
8.23	11.28	3.05	1.69	55	L842170	13					3.0
11.28	14.33	3.05	1.77	58	L842171	13					3.8
		0.00		####	L842172	13				Standard ME-6	0.3
14.33	17.37	3.04	2.15	71	L842173	13					4.6
17.37	20.42	3.05	3.05	100	L842174	13					7.4
20.42	23.47	3.05	2.84	93	L842175	13					7.6
23.47	26.52	3.05	2.95	97	L842176	13					7.8
26.52	29.57	3.05	3.05	100	L842177	13					7.6
		0.00		####	L842178	13				1/4 Duplicate	3.6
29.57	32.61	3.04	2.94	97	L842179	13					7.6
32.61	35.66	3.05	3.05	100	L842180	13					8.2
35.66	38.71	3.05	2.99	98	L842181	13					7.8
		0.00		####	L842182	13				Standard GS-1G	0.3
38.71	41.76	3.05	3.01	99	L842183	13					8.2
41.76	44.81	3.05	2.93	96	L842184	13					7.4
44.81	47.85	3.04	3.03	100	L842185	13					7.8
47.85	50.90	3.05	3.05	100	L842186	13					7.8
50.90	53.95	3.05	2.99	98	L842187	13					7.6
		0.00		####	L842188	13				Blank	2.6
53.95	57.00	3.05	3.00	98	L842189	13					7.2
57.00	60.05	3.05	2.84	93	L842190	13					7.2
60.05	63.09	3.04	2.99	98	L842191	13					7.8
63.09	66.14	3.05	2.82	92	L842192	13					7.4
66.14	69.19	3.05	2.96	97	L842193	13					7.2
69.19	72.24	3.05	3.05	100	L842194	14					7.8

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
72.24	75.29	3.05	3.02	99	L842195	14					7.8
75.29	78.33	3.04	3.04	100	L842196	14					7.9
		0.00		####	L842197	14				Standard GS-1G	0.3
78.33	81.33	3.00	2.85	95	L842198	14					7.6
81.33	81.83	0.50	0.50	100	L842199	14					1.3
81.83	84.43	2.60	2.56	98	L842200	14					6.7
84.43	86.72	2.29	2.29	100	L842201	14					6.2
86.72	87.48	0.76	0.72	95	L842202	14					2.1
87.48	90.53	3.05	3.05	100	L842203	14					8.4
90.53	93.57	3.04	2.98	98	L842204	14					8.2
93.57	96.62	3.05	2.94	96	L842205	14					8.0
96.62	99.67	3.05	2.98	98	L842206	14					7.6
99.67	102.72	3.05	3.01	99	L842207	14					7.8
102.72	105.77	3.05	3.05	100	L842208	14					8.0
		0.00		####	L842209	14				Blank	3.5
105.77	108.78	3.01	2.96	98	L842210	14					8.0
		0.00		####	L842211	14				Standard ME-6	0.3
108.78	109.28	0.50	0.50	100	L842212	14					1.4
109.28	110.33	1.05	1.01	96	L842213	14					2.6
		0.00		####	L842214	14				Blank	4.7
110.32	111.32	1.00	0.94	94	L842215	14					2.6
111.32	112.05	0.73	0.73	100	L842216	14					1.9
112.05	114.91	2.86	2.81	98	L842217	14					7.4
114.91	117.96	3.05	3.04	100	L842218	14					7.9
117.96	121.01	3.05	3.02	99	L842219	14					7.7
121.01	124.05	3.04	2.93	96	L842220	14					7.5
		0.00		####	L842221	14				1/4 Duplicate	3.7
124.05	127.10	3.05	2.96	97	L842222	14					7.4
127.10	130.15	3.05	3.02	99	L842223	14					7.5
130.15	133.20	3.05	3.05	100	L842224	14					8.0
133.20	136.25	3.05	2.89	95	L842225	14					7.9

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
		0.00		####	L842226	14				Coarse Reject	-
136.25	139.29	3.04	2.83	93	L842227	14					7.6
139.29	142.34	3.05	3.02	99	L842228	14					7.5
142.34	145.39	3.05	2.96	97	L842229	14					7.9
145.39	148.44	3.05	2.90	95	L842230	15					7.9
148.44	151.49	3.05	3.01	99	L842231	15					8.4
151.49	154.53	3.04	3.00	99	L842232	15					7.7
154.53	155.08	0.55	0.55	100	L842233	15					1.8
155.08	158.00	2.92	2.75	94	L842234	15					6.2
158.00	159.90	1.90	1.67	88	L842235	15					3.9
159.90	162.25	2.35	2.06	88	L842236	15					5.4
162.25	163.40	1.15	1.10	96	L842237	15					2.9
		0.00		####	L842238	15				Blank	5.0
163.40	165.30	1.90	1.68	88	L842239	15					3.9
165.30	166.78	1.48	1.40	95	L842240	15					1.5
		0.00		####	L842241	15				Standard GS-4D	0.3
166.78	167.38	0.60	0.53	88	L842242	15					3.6
167.38	169.29	1.91	1.21	63	L842243	15					4.5
169.29	171.09	1.80	1.70	94	L842244	15					4.0
171.09	172.82	1.73	1.68	97	L842245	15					4.0
172.82	175.87	3.05	3.03	99	L842246	15					7.9
175.87	178.92	3.05	2.96	97	L842247	15					8.0
		0.00		####	L842248	15				Coarse Reject	-
178.92	181.97	3.05	3.00	98	L842249	15					8.3
		0.00		####	L842250	15				1/4 Duplicate	3.8
181.97	185.01	3.04	3.02	99	L842251	15					8.2
185.01	188.06	3.05	3.03	99	L842252	15					7.7
188.06	191.11	3.05	2.89	95	L842253	15					7.7
191.11	194.16	3.05	3.05	100	L842254	15					8.3
		0.00		####	L842255	15				Blank	4.0
194.16	197.21	3.05	3.05	100	L842256	15					7.9



## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
197.21	200.25	3.04	3.04	100	L842257	15					7.8
200.25	203.30	3.05	3.05	100	L842258	15					7.7
203.30	206.35	3.05	3.05	100	L842259	15					7.6
206.35	209.40	3.05	3.05	100	L842260	15					7.8
209.40	212.45	3.05	3.05	100	L842261	15					7.0
212.45	215.49	3.04	3.01	99	L842262	15					7.9
215.49	218.54	3.05	3.05	100	L842263	15					8.1
		0.00		####	L842264	15				Standard GS-1G	0.3
218.54	221.59	3.05	3.02	99	L842265	15					8.0
221.59	224.14	2.55	2.53	99	L842266	16					6.6
224.14	226.29	2.15	2.14	100	L842267	16					4.7
		0.00		####	L842268	16				Coarse Reject	-
226.29	227.69	1.40	1.36	97	L842269	16					3.5
		0.00		####	L842270	16				Standard GS-1G	0.3
227.69	230.73	3.04	3.02	99	L842271	16					8.1
230.73	233.78	3.05	3.05	100	L842272	16					8.5
233.78	236.83	3.05	3.05	100	L842273	16					8.4
236.83	239.88	3.05	2.82	92	L842274	16					7.2
239.88	242.93	3.05	2.97	97	L842275	16					7.9
		0.00		####	L842276	16				Standard GS-1G	0.3
242.93	245.97	3.04	2.78	91	L842277	16					7.1
245.97	247.75	1.78	1.55	87	L842278	16					4.6
247.75	249.02	1.27	1.27	100	L842279	16					3.7
		0.00		####	L842280	16				Blank	4.8
249.02	251.00	1.98	1.98	100	L842281	16					5.1
251.00	252.07	1.07	1.07	100	L842282	16					2.9
252.07	255.12	3.05	2.95	97	L842283	16					8.0
255.12	258.17	3.05	3.00	98	L842284	16					8.4
258.17	261.21	3.04	2.99	98	L842285	16					7.7
261.21	262.78	1.57	1.57	100	L842286	16					3.3
262.78	264.45	1.67	1.65	99	L842287	16					4.1

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
		0.00		####	L842288	16				Blank	3.1
264.45	265.93	1.48	1.48	100	L842289	16					4.1
265.93	266.93	1.00	0.96	96	L842290	16					2.5
		0.00		####	L842291	16				1/4 Duplicate	1.2
266.93	267.93	1.00	1.00	100	L842292	16					2.2
267.93	270.36	2.43	2.43	100	L842293	16					6.1
270.36	273.41	3.05	2.94	96	L842294	16					8.7
273.41	276.45	3.04	3.02	99	L842295	16					7.8
276.45	277.75	1.30	1.30	100	L842296	16					3.1
277.75	279.50	1.75	1.66	95	L842297	16					4.5
279.50	282.55	3.05	3.04	100	L842298	16					7.1
282.55	285.60	3.05	3.02	99	L842299	16					7.1
285.60	288.65	3.05	3.05	100	L842300	16					8.2
288.65	291.69	3.04	2.92	96	L842301	16					7.3
291.69	294.74	3.05	2.95	97	L842302	17					8.5
294.74	297.79	3.05	2.93	96	L842303	17					7.7
297.79	300.84	3.05	3.05	100	L842304	17					7.8
300.84	303.89	3.05	3.05	100	L842305	17					7.2
303.89	306.93	3.04	2.90	95	L842306	17					7.6
306.93	309.98	3.05	3.00	98	L842307	17					7.7
309.98	313.03	3.05	2.90	95	L842308	17					7.9
313.03	316.08	3.05	2.92	96	L842309	17					7.7
316.08	316.79	0.71	0.65	92	L842310	17					1.6
316.79	319.13	2.34	2.20	94	L842311	17					5.8
		0.00		####	L842312	17				1/4 Duplicate	2.9
319.13	322.17	3.04	2.77	91	L842313	17					7.7
322.17	325.22	3.05	2.47	81	L842314	17					6.8

# CRAG EAST

Hole: CE-12-13

Tech Name: Autumn Hughes

July, 20 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION	
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering		
0.00	3.87	3.87	n/a	#####	n/a	#####	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	OVB
3.87	5.18	1.31	1.22	93	0.00	0	0	1	1S	3W	70	n/a	0	1	2R	4W		
5.18	8.23	3.05	0.94	31	0.00	0	0	1	1S	4W	70	n/a	0	3	2R	4W		
8.23	11.28	3.05	1.69	55	0.00	0	0	1	1S	4W	70	n/a	0	3	2R	4W		
11.28	14.33	3.05	1.77	58	0.34	11	0	1	1S	4W	60	0.05	0	3	2R	4W		
14.33	17.37	3.04	2.15	71	0.78	26	0	1	2S	4W	50	0.05	0	2	2R	4W		
17.37	20.42	3.05	3.05	100	1.02	33	0	1	2S	1W	65	0.06	0	1	2R	1W		
20.42	23.47	3.05	2.84	93	0.79	26	0	1	3S	1W	55	0.07	0	1	2R	1W		
23.47	26.52	3.05	2.95	97	1.64	54	0	1	3S	1W	60	0.08	0	2	2R	1W		
26.52	29.57	3.05	3.05	100	2.25	74	4	2	3S	1W	55	0.15	0	1	2R	1W		
29.57	32.61	3.04	2.94	97	2.48	82	4	2	3S	1W	70	0.15	0	2	3R	1W		
32.61	35.66	3.05	3.05	100	1.40	46	4	1	3S	1W	50	0.1	4	1		1W		
35.66	38.71	3.05	2.99	98	1.77	58	4	1	3S	1W	60	0.09	0	1	2R	1W		
38.71	41.76	3.05	3.01	99	1.97	65	4	1	3S	1W	45	0.11	0	1	2R	1W		
41.76	44.81	3.05	2.93	96	0.91	30	3	1	3S	1W	70	0.08	0	2	2R	1W		
44.81	47.85	3.04	3.03	100	2.33	77	2	1	3S	1W	45	0.12	0	2	2R	1W		
47.85	50.90	3.05	3.05	100	1.74	57	2	1	3S	1W	55	0.1	0	2	2R	1W		
50.90	53.95	3.05	2.99	98	2.61	86	3	1	3S	1W	50	0.14	0	2	2R	1W		
53.95	57.00	3.05	3.00	98	2.21	72	3	1	3S	1W	60	0.15	0	1	2R	1W		
57.00	60.05	3.05	2.84	93	2.16	71	3	1	3S	1W	60	0.4	0	1	2R	1W		
60.05	63.09	3.04	2.99	98	2.28	75	3	1	3S	1W	35	0.12	0	1	2R	1W		
63.09	66.14	3.05	2.82	92	2.29	75	1	1	3S	1W	60	0.12	0	1	2R	1W		
66.14	69.19	3.05	2.96	97	1.97	65	1	1	3S	1W	65	0.11	0	1	2R	1W		
69.19	72.24	3.05	3.05	100	2.68	88	3	1	3S	1W	60	0.16	0	1	2R	1W		
72.24	75.29	3.05	3.02	99	2.59	85	4	2	3S	1W	60	0.19	0	1	2R	1W		
75.29	78.33	3.04	3.05	100	2.68	88	4	2	3S	1W	65	0.23	0	1	2R	1W		
78.33	81.38	3.05	2.87	94	2.22	73	4	2	3S	1W	60	0.12	10	1	2R	1W		
81.38	84.43	3.05	2.94	96	2.48	81	2	2	3S	1W	60	0.15	0	1	2R	1W		
84.43	87.48	3.05	3.04	100	2.69	88	1	2	3S	1W	60	0.17	0	1	2R	1W		
87.48	90.53	3.05	3.05	100	2.56	84	1	2	3S	1W	70	0.15	0	1	2R	1W		
90.53	93.57	3.04	2.98	98	2.61	86	1	2	3S	1W	75	0.14	0	1	2R	1W		
93.57	96.62	3.05	2.94	96	2.53	83	1	2	3S	1W	70	0.18	6	3	3R	1W		

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
96.62	99.67	3.05	2.98	98	2.93	96	3	2	3S	1W	65	0.38	0	1	2R	1W	
99.67	102.72	3.05	3.01	99	2.92	96	3	2	3S	1W	60	0.25	0	3	3R	1W	
102.72	105.77	3.05	3.05	100	2.73	90	3	2	3S	1W	70	0.2	0	3	3R	1W	
105.77	108.81	3.04	3.02	99	2.93	96	3	2	3S	1W	75	0.31	0	3	3R	1W	
108.81	111.86	3.05	3.02	99	2.55	84	3	2	3S	3W	75	0.15	10	3	3R	3W	
111.86	114.91	3.05	2.97	97	2.37	78	1	2	3S	1W	80	0.15	0	3	3R	1W	
114.91	117.96	3.05	3.04	100	2.02	66	3	1	3S	1W	75	0.11	0	2	2R	1W	
117.96	121.01	3.05	3.02	99	0.31	10	3	1	3S	1W	80	0.06	0	1	2R	1W	
121.01	124.05	3.04	2.93	96	1.90	63	3	1	3S	1W	80	0.1	0	3	2R	1W	
124.05	127.10	3.05	2.96	97	1.42	47	3	1	3S	1W	80	0.08	0	3	3R	1W	
127.10	130.15	3.05	3.02	99	2.78	91	3	1	3S	1W	70	0.17	0	3	2R	1W	
130.15	133.20	3.05	3.05	100	2.11	69	3	1	3S	1W	80	0.09	0	3	2R	1W	
133.20	136.25	3.05	2.89	95	1.84	60	1	1	3S	1W	65	0.08	0	3	3R	1W	
136.25	139.29	3.04	2.83	93	1.73	57	4	1	3S	1W	70	0.09	10	1	2R	1W	
139.29	142.34	3.05	3.02	99	2.84	93	4	1	3S	1W	70	0.19	0	1	2R	1W	
142.34	145.39	3.05	2.96	97	2.89	95	1	1	3S	1W	55	0.15	0	1	2R	2W	
145.39	148.44	3.05	2.90	95	2.27	74	2	1	3S	1W	60	0.13	0	1	3R	2W	
148.44	151.49	3.05	3.01	99	2.68	88	2	1	3S	1W	60	0.18	0	2	3R	2W	
151.49	154.53	3.04	3.00	99	2.77	91	1	1	3S	1W	70	0.23	0	1	3R	1W	
154.53	157.58	3.05	3.00	98	2.15	70	3	1	3S	2W	70	0.1	0	1	3R	2W	
157.58	160.63	3.05	2.74	90	1.94	64	3	1	3S	2W	55	0.12	0	1	3R	3W	
160.63	163.68	3.05	2.87	94	1.40	46	2	1	3S	2W	60	0.07	0	1	3R	2W	
163.68	166.73	3.05	2.82	92	1.89	62	2	1	3S	2W	70	0.13	0	1	3R	3W	
166.73	169.77	3.04	2.41	79	1.16	38	4	1	3S	1W	70	0.09	50	1	3R	3W	
169.77	172.82	3.05	2.75	90	2.36	77	4	1	3S	1W	60	0.19	0	1	3R	2W	
172.82	175.87	3.05	3.03	99	2.18	71	1	1	3S	1W	65	0.11	0	1	3R	2W	
175.87	178.92	3.05	2.96	97	2.34	77	2	1	3S	1W	60	0.16	0	1	3R	1W	
178.92	181.97	3.05	3.00	98	2.25	74	2	1	3S	1W	65	0.11	0	1	3R	1W	
181.97	185.01	3.04	3.02	99	2.60	86	2	1	3S	1W	60	0.14	0	1	3R	1W	
185.01	188.06	3.05	3.03	99	2.52	83	3	1	3S	1W	70	0.14	0	1	3R	1W	
188.06	191.11	3.05	2.89	95	2.56	84	2	1	3S	1W	80	0.18	0	1	3R	1W	
191.11	194.16	3.05	3.05	100	2.91	95	3	1	3S	1W	70	0.23	0	1	3R	1W	
194.16	197.21	3.05	3.05	100	2.95	97	2	1	3S	1W	60	0.22	0	1	3R	1W	
197.21	200.25	3.04	3.04	100	2.88	95	3	1	3S	1W	65	0.19	0	1	3R	1W	
200.25	203.30	3.05	3.05	100	2.71	89	4	1	3S	1W	70	0.18	0	1	3R	1W	
203.30	206.35	3.05	3.05	100	2.99	98	3	1	3S	1W	70	0.28	0	1	3R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
206.35	209.40	3.05	3.05	100	3.04	100	3	1	3S	1W	65	0.28	0	1	3R	1W	
209.40	212.45	3.05	3.05	100	2.78	91	3	1	3S	1W	55	0.25	0	1	3R	1W	
212.45	215.49	3.04	3.01	99	2.82	93	3	1	3S	1W	60	0.22	0	1	3R	1W	
215.49	218.54	3.05	3.05	100	3.05	100	3	1	4S	1W	70	0.38	0	1	3R	1W	
218.54	221.59	3.05	3.02	99	2.79	91	3	1	3S	1W	50	0.18	0	1	3R	1W	
221.59	224.64	3.05	2.99	98	2.78	91	3	1	3S	1W	70	0.19	10	1	3R	1W	
224.64	227.69	3.05	3.05	100	2.84	93	2	1	3S	1W	70	0.22	0	1	3R	1W	
227.69	230.73	3.04	3.02	99	2.84	93	3	1	3S	1W	60	0.28	0	1	3R	1W	
230.73	233.78	3.05	3.05	100	2.94	96	3	1	3S	1W	80	0.19	0	1	3R	1W	
233.78	236.83	3.05	3.05	100	2.88	94	3	1	3S	1W	65	0.23	0	1	3R	1W	
236.83	239.88	3.05	2.82	92	2.73	90	3	1	3S	1W	65	0.34	0	1	3R	1W	
239.88	242.93	3.05	2.97	97	2.90	95	3	1	3S	1W	55	0.38	0	1	3R	1W	
242.93	245.97	3.04	2.78	91	2.03	67	3	1	3S	1W	70	0.13	0	1	3R	1W	
245.97	249.02	3.05	3.05	100	2.91	95	3	1	3S	1W	70	0.28	0	1	3R	1W	
249.02	252.07	3.05	3.05	100	2.96	97	2	1	3S	1W	55	0.31	0	3	3R	1W	
252.07	255.12	3.05	2.95	97	2.91	95	2	1	3S	1W	80	0.34	0	1	3R	1W	
255.12	258.17	3.05	3.00	98	2.82	92	1	1	3S	1W	55	0.38	0	1	3R	1W	
258.17	261.21	3.04	2.99	98	2.87	94	2	1	3S	1W	60	0.28	0	1	3R	1W	
261.21	264.26	3.05	3.01	99	2.72	89	2	1	3S	1W	65	0.15	10	1	3R	1W	
264.26	267.31	3.05	3.05	100	2.39	78	3	1	3S	1W	70	0.11	0	1	3R	1W	
267.31	270.36	3.05	3.05	100	2.51	82	3	1	3S	1W	75	0.15	0	1	3R	1W	
270.36	273.41	3.05	3.05	100	2.96	97	1	1	3S	1W	70	0.19	0	1	3R	1W	
273.41	276.45	3.04	2.94	97	2.5	82	3	1	3S	1W	60	0.15	0	1	3R	1W	
276.45	279.50	3.05	3.02	99	2.4	79	2	1	3S	1W	75	0.13	0	1	2R	1W	
279.50	282.55	3.05	3.04	100	2.83	93	0	1	3S	1W	60	0.23	0	1	2R	1W	
282.55	285.60	3.05	3.02	99	2.55	84	0	1	3S	1W	60	0.17	0	1	2R	1W	
285.60	288.65	3.05	3.05	100	2.70	89	0	1	3S	1W	60	0.12	0	1	2R	1W	
288.65	291.69	3.04	2.92	96	2.27	75	0	1	3S	1W	50	0.14	0	1	2R	1W	
291.69	294.74	3.05	3.05	100	2.95	97	0	1	3S	1W	60	0.2	0	1	2R	1W	
294.74	297.79	3.05	2.95	97	2.33	76	0	1	3S	1W	70	0.12	0	1	2R	1W	
297.79	300.84	3.05	2.93	96	1.41	46	0	1	3S	1W	50	0.07	0	1	2R	1W	
300.84	303.89	3.05	3.05	100	0.96	31	0	1	3S	1W	60	0.07	10	1	2R	1W	
303.89	306.93	3.04	2.90	95	2.31	76	0	1	3S	1W	60	0.04	0	1	2R	1W	
306.93	309.98	3.05	3.00	98	1.95	64	0	1	3S	1W	60	0.09	0	1	2R	1W	
309.98	313.03	3.05	2.90	95	1.51	50	0	1	3S	1W	70	0.06	10	1	2R	1W	
313.03	316.08	3.05	2.92	96	1.07	35	0	1	3S	1W	50	0.06	0	1	2R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
316.08	319.13	3.05	2.91	95	2.18	71	0	1	3S	1W	60	0.11	0	1	2R	1W	
319.13	322.17	3.04	2.77	91	2.44	80	0	1	3S	1W	40	0.25	0	1	2R	1W	
322.17	325.22	3.05	2.47	81	2.12	70	0	1	3S	1W	40	0.23	0	1	2R	1W	EOH

# CRAG EAST

Hole: CE-12-13

Date: July 13, 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
4	BD	80	
6	BD	80	
8	n/a		intense clay alteration
10	n/a		intense clay alteration
12	n/a		intense clay alteration
14	n/a		intense clay alteration
16	BD	72	
18	BD	35	
20	BD	58	
22	n/a		deformed bedding, convolute
24	BD	52	
26	BD	50	
28	BD	62	
30	n/a		massive bed, brecciated
32	BD	45	
34	BD	55	
36	BD	55	
38	BD	75	
40	BD	60	undulate bedding
42	BD	78	
44	BD	75	
46	BD	50	
48	BD	55	
50	BD	60	
52	BD	58	
54	BD	57	
56	BD	45	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
58	BD	53	
60	BD	50	
62	n/a		Massive LST bed
64	n/a		Massive LST bed
66	n/a		Massive LST bed
68	n/a		Massive LST bed
70	BD	63	
72	BD	70	
74	BD	20	lower limb of fold/slump
76	BD	60	
78	BD	50	
80	BD	62	
82	n/a		Strong BX, no apparent primary
84	n/a		Strong BX, no apparent primary
86	n/a		Strong BX, no apparent primary
88	n/a		massive LST
90	n/a		massive LST
92	n/a		massive LST
94	n/a		massive LST
96	BD	40	
98	BD	40	
100	n/a		
102	n/a		
104	n/a		
106	BD	0	stylolites/relict beds(?)
108	n/a		
110	n/a		
112	n/a		
114	BD	25	relict bedding



## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
116	BD	10	relict bedding
118	n/a		
120	n/a		
122	n/a		
124	n/a		
126	n/a		
128	n/a		
130	n/a		
132	n/a		
134	n/a		
136	BD	45	relict bedding
138	n/a		
140	n/a		
142	BD	65	
144	BD	50	
146	n/a		
148	n/a		
150	n/a		
152	n/a		
154	n/a		
156	n/a		
158	FLT	45	fabric in fault?
160	n/a		
162	n/a		
164	FLT	55	weak fault fabric
166	n/a		
168	n/a		
170	BD	43	relict bedding
172	n/a		
174	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
176	n/a		
178	n/a		
180	n/a		
182	n/a		
184	n/a		
186	n/a		
188	n/a		
190	n/a		
192	n/a		
194	n/a		
196	n/a		
198	n/a		
200	n/a		
202	n/a		
204	n/a		
206	n/a		
208	n/a		
210	n/a		
212	n/a		
214	n/a		
216	BD	30	Relict bedding/sBX fabric
218	BD	35	Relict bedding/sBX fabric
220	n/a		
222	n/a		
224	n/a		
226	n/a		
228	n/a		
230	n/a		
232	n/a		
234	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
236	n/a		
238	n/a		
240	n/a		
242	n/a		
244	n/a		
246	n/a		
248	n/a		
250	n/a		
252	n/a		
254	n/a		
256	n/a		
258	n/a		
260	n/a		
262	n/a		
264	n/a		
266	n/a		
268	n/a		
270	n/a		
272	n/a		
274	n/a		
276	n/a		
278	n/a		
280	BD	60	
282	BD	50	
284	BD	40	
286	BD	70	
288	BD	45	
290	BD	52	
292	BD	55	
294	BD	50	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
296	BD	70	
298	BD	45	
300	BD	60	
302	BD	45	
304	BD	62	
306	BD	60	
308	BD	25	
310	BD	60	
312	BD	57	
314	BD	60	
316	n/a		massive grit, no bedding
318	n/a		massive grit, no bedding
320	n/a		massive grit, no bedding
322	n/a		massive grit, no bedding
324	n/a		massive grit, no bedding



## CRAG EAST

Hole: CE-12-13 20-Jul-12

Box #	From (m)	To (m)
1	3.09	10.22
2	10.22	16.54
3	16.54	21.43
4	21.43	26.75
5	26.75	32.35
6	32.35	37.71
7	37.71	43.16
8	43.16	48.54
9	48.54	53.95
10	53.95	59.55
11	59.55	64.96
12	64.96	70.34
13	70.34	75.65
14	75.65	81.17
15	81.17	86.64
16	86.64	92.17
17	92.17	97.73
18	97.73	103.10
19	103.10	108.55
20	108.55	113.98
21	113.98	119.46
22	119.46	125.03
23	125.03	130.86
24	130.86	136.25
25	136.25	141.80
26	141.80	147.28
27	147.28	152.88
28	152.88	158.32

## CRAG EAST

29	158.32	163.87
30	163.87	169.92
31	169.92	175.62
32	175.62	181.14
33	181.14	186.54
34	186.54	192.11
35	192.11	197.77
36	197.77	203.40
37	203.40	208.97
38	208.97	214.51
39	214.51	219.97
40	219.97	225.33
41	225.33	230.80
42	230.80	236.30
43	236.30	242.08
44	242.08	247.71
45	247.71	253.25
46	253.25	258.91
47	258.91	264.40
48	264.40	269.73
49	269.73	275.05
50	275.05	280.44
51	280.44	285.76
52	285.76	291.28
53	291.28	296.92
54	296.92	302.29
55	302.29	307.88
56	307.88	313.43
57	313.43	318.86
58	318.86	324.78
59	324.78	325.22
EOH		

## CRAG EAST

### CE-12-13

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
67	20.42	358.5	383.5	-44.5	59900	82.6	1	46.2	337.1	157.4	-21.86	7/22/12 10:30:41 AM
117	35.66	14.1	39.1	-44.7	58241	79.4	1	45.9	337.6	153.2	-4.59	7/22/12 10:29:51 AM
167	50.90	17.4	42.4	-44.6	57408	79	1	45	340.6	154.8	-0.26	7/22/12 10:27:51 AM
217	66.14	17.5	42.5	-44.7	57347	79	1	44.1	343.1	157.3	-0.14	7/22/12 10:25:11 AM
267	81.38	17.6	42.6	-44.7	57341	79	1	43.3	344.1	158.3	-0.07	7/22/12 10:20:11 AM
317	96.62	17.7	42.7	-44.8	57332	79	1	42.6	346.5	160.7	-0.42	7/22/12 10:16:41 AM
367	111.86	17.6	42.6	-45	57320	79	1	42.4	347.3	161.5	-0.43	7/22/12 10:14:01 AM
417	127.10	17.5	42.5	-45.2	57332	79	0.999	42.6	348.5	162.7	-0.39	7/22/12 10:09:31 AM
467	142.34	17.3	42.3	-45.1	57379	79.1	1	42.6	350.8	165.1	-0.52	7/22/12 10:06:01 AM
517	157.58	17.5	42.5	-45.3	57364	79.1	0.999	42.8	353.1	167.3	-0.6	7/22/12 10:03:11 AM
567	172.82	17.7	42.7	-45.5	57357	79.1	0.999	43	355.3	169.5	-0.06	7/22/12 9:59:41 AM
617	188.06	17.7	42.7	-45.5	57361	79.1	0.999	43.2	355.3	169.4	-0.58	7/22/12 9:55:21 AM
667	203.30	17.8	42.8	-45.8	57377	79.1	0.999	43.2	358.7	172.7	-0.76	7/22/12 9:50:21 AM
717	218.54	18.1	43.1	-46.1	57390	79.2	0.999	43.3	1.3	175.2	-0.47	7/22/12 9:47:31 AM
767	233.78	18.3	43.3	-46.3	57411	79.2	0.999	43.5	3.8	177.7	-0.83	7/22/12 9:44:11 AM
817	249.02	18.4	43.4	-46.7	57417	79.2	0.998	43.7	4.8	178.6	-0.89	7/22/12 9:39:51 AM
867	264.26	18.9	43.9	-47	57428	79.2	0.999	44.1	6.7	180.3	-0.74	7/22/12 9:37:31 AM
917	279.50	19.2	44.2	-47.3	57398	79.2	0.999	44.4	8.4	181.8	-0.62	7/22/12 9:24:11 AM
967	294.74	18.9	43.9	-47.1	57394	79.2	0.998	44.1	10.4	183.9	-0.37	7/22/12 9:20:51 AM
1017	309.98	18.9	43.9	-46.9	57390	79.2	0.998	43.5	11.8	185.5	-0.22	7/22/12 9:17:41 AM
1067	325.22	18.8	43.8	-46.8	57405	79.2	0.999	43.3	14.2	187.8	0	7/22/12 9:14:01 AM



**CRAG EAST**

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		614439.555	7107827.742	1197.350	96.62

ZONE: Merlot

SECTION: \_\_\_\_\_

HOLE: CE-12-14

CLAIM: Crag 509/Crag East 3

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	45	-45	Compass				

Contractor: Platinum

Drill: A5

Core size: NQ2 Reduced at: \_\_\_\_\_ (m)

Casing depth: 18.29 (m) in / out

Drilling dates: \_\_\_\_\_ July 23-26, 2012

TARGET: \_\_\_\_\_

Geology logged by: K. Unger

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	18.29	18.29	OVB	Overburden/casing, no recovery
18.29	44.81	26.52	LST	Brecciated, silty limestone, patchy dissolution textures.
44.81	45.80	0.99	FLT	Rusty yellow-grey, rubbly and grit fault
45.80	96.62	50.82	DST	Thick bedded siltstone and dolostone (and volcanic?)

SAMPLES
Numbers: <u>L842315 to L842346</u>
Total: <u>32</u>
Batch: <u>17, 18</u>
Date Sent: _____
Certificate: <u>WH12179905, WH12179908</u>

COMMENTS
Hole shut down at 96.62 m. Difficult ground conditions, drillers pulled back to 107' and began 3rd hole. End of forward progress at 96.62 m, target redrilled as CE12-15. Possible volcanic layer in dolostone from 60.55-72.75 m.

## CRAG EAST

Hole: CE-12-14

Logger Name: K. Unger

Date: July 23, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other			
														Type	Intensity			Type			Conc. (%)
0.00	18.29	18.29					OVB														Overburden/casing, no recovery
18.29	44.81	26.52					LST		MD DK	GY GY	BX BX			CLY	2						Medium grey, variably brecciated, blocky to rubbly, variably interbedded limestone. Core is typically medium grey, variably solution brecciated limestone with patchy dissolution textures in blocks of core on average <15 cm in size. Solution breccia textures are angular and irregularly oriented, coarse grained coarse grained calcite filled structures. Recovery is variable, drillers report difficult ground conditions.
			18.29	35.81	17.52		LST		MD DK	GY GY	BX BX			CLY	2						Medium grey, variably brecciated, blocky and rubbly silty limestone. Core is variably broken, typically in clasts <9 cm in size with patchy clay alteration where core is broken along dark grey, silty, deformed interbeds. Core becomes more competent with depth.
			35.81	38.92	3.11		LST		DK MD	GY GY											Dark to medium grey, sheared limestone/siltstone. Irregular to tabular shaped clasts of grey to buff brown limestone are set in a soft, dark grey silty matrix. Rusty yellow staining is present on open fractures. Shear fabric is variable in strength and orientation.
			38.92	44.81	5.89		LST		MD DK	GY GY	BX BX					0.01					Medium to dark grey, variably brecciated limestone. Medium grey limestone hosts variable, coarse grained white solution breccia and dark blue-grey crackle breccia textures with sheared dark grey-black silty interbeds hosting clasts of broken limestone (slip along silt beds?). Drillers report difficult drilling conditions, redrilled core from 97'-147' with crescents of redrilled core in boxes. Realgar is present as orange fracture fills in narrow grey interbeds in siltstone.
44.81	45.80	0.99					FLT		MD	GY YL	BX			CLY	3						Rusty yellow to medium grey, clay altered fault. Angular to subangular grains of grey limestone and dolostone are supported in rusty yellow grey, fine grained clay altered gouge matrix. Core is blocky to rubbly, easily broken by hand.
45.80	60.55	14.75					DST	CG	DK MD	GY GY	MA MA			SIL	3						Dark and medium grey, massive bedded dolostone and siltstone. Beds of soft dark grey siltstone are up to 1.85 m wide between beds of coarse grained, medium grey, variably silicification altered dolostone. Silicification alteration is associated with patchy, dark grey and opaque quartz crackle breccia with patchy, weak solution breccia with irregular white solution breccia structures over widths no more than 22 cm.

### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other					
														Type	Intensity			Type			Conc. (%)		
60.55	72.75	12.20					SLT/ VOL	FG	MD	GY					SIL	3	0.10	0.01					
72.75	96.62	23.87					DST		DK	GY													Dark to light grey, variably brecciated, variably silicified dolostone. Silicification alteration is proximal to patchy dark grey-opaque quartz crackle breccia structures that are <2 mm wide and randomly oriented. Patchy, weak solution breccia textures with coarse grained, white dolomite filled structures present in bands no more than 22 cm wide.
									LT	GY													EOH, hole terminated. End of forward progress at 96.62 m. Drillers pulled back to 107' and began drilling a 3rd hole to 127'. Hole moved to the side and redrilled as CE-12-15.



## CRAG EAST

Hole: CE-12-09

Logger Name: K. Unger

Date:

2° Structure Type	From (m)	To (m)	Attitude (TCA)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
VT	39.35		70.00	n/a	1.00	Rg	30.00	2 mm wide calcite-realgar veinlet/fracture fill, oriented 70 degrees to core axis. Approximately 30% of veinlet material is brilliant red realgar as coarse crystals.	
VT	45.59	46.57	60.00	0.00		Ca		Rusty yellow calcite veinlets, bedding parallel (tension gashes?), <2 mm wide, generally planar to undulate in texture.	



# CRAG EAST

Hole: CE-12-09

Date:

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
18.29	20.42	2.13	2.13	100	L842315	17					2.4
20.42	23.47	3.05	0.31	10	L842316	17					0.6
		0.00		####	L842317	17				Standard GS-1G	0.3
23.47	26.52	3.05	0.44	14	L842318	17					1.5
26.52	29.57	3.05	0.39	13	L842319	17					0.4
29.57	32.61	3.04	1.52	50	L842320	17					2.2
32.61	35.66	3.05	2.63	86	L842321	17					6.4
35.66	38.71	3.05	2.94	96	L842322	17					7.7
38.71	41.76	3.05	2.99	98	L842323	17					7.3
41.76	44.81	3.05	1.83	60	L842324	17					3.9
		0.00		####	L842325	17				Coarse Reject	-
44.81	45.80	0.99	0.94	95	L842326	17					2.2
		0.00		####	L842327	17				Blank	1.4
		0.00		####	L842328	17				Standard GS-4D	0.3
45.80	47.85	2.05	2.05	100	L842329	17					4.2
47.85	50.90	3.05	2.47	81	L842330	17					6.6
50.90	53.95	3.05	3.02	99	L842331	17					7.1
53.95	56.99	3.04	2.50	82	L842332	17					5.2
56.99	59.25	2.26	1.90	84	L842333	17					3.4
59.25	60.55	1.30	1.27	98	L842334	17					3.1
		0.00		####	L842335	17				Blank	1.5
60.55	63.09	2.54	0.67	26	L842336	17					0.8
63.09	64.12	1.03	1.03	100	L842337	17					2.0
64.12	66.14	2.02	1.98	98	L842338	18					5.2
66.14	67.68	1.54	1.54	100	L842339	18					4.2
		0.00		####	L842340	18				1/4 Duplicate	2.0
67.68	70.17	2.49	2.44	98	L842341	18					6.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
70.17	72.75	2.58	2.58	100	L842342	18					6.6
		0.00		####	L842343	18				Blank	2.4
72.75	75.29	2.54	2.50	98	L842344	18					6.8
75.29	78.33	3.04	2.84	93	L842345	18					7.4
78.33	81.38	3.05	3.03	99	L842346	18				end sampling CE-12-14	7.8



# CRAG EAST

Hole: E-12-14

Tech Name: Alex Dyck/Marc Alban

Date: 25-Jul-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity		Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
												Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
18.29	20.42	2.13	0.80	38	0.42	20	4	1	4S	2W		INF	40	1	2R	2W		
20.42	23.47	3.05	0.31	10	0.00	0	4	1	4S	2W		INF		1	2R	2W		
23.47	26.52	3.05	0.44	14	0.16	5	4	1	4S	2W		INF	80	1	2R	2W		
26.52	29.57	3.05	0.39	13	0.00	0	4	1	4S	2W		INF	50	2	2R	2W		
29.57	32.61	3.04	1.52	50	0.35	12	4	1	4S	2W	50	INF	10	2	2R	2W		
32.61	35.66	3.05	2.63	86	1.33	44	4	1	3S	2W	45	0.08	10	2	2R	2W		
35.66	38.71	3.05	2.94	96	2.06	68	4	1	3S	2W	50	0.11	40	2	2R	2W		
38.71	41.76	3.05	2.99	98	2.03	67	4	1	3S	1W	40	0.14	20	2	2R	1W		
41.76	44.81	3.05	1.83	60	1.42	47	4	2	3S	1W	60	0.15	200	2	2R	1W		
HOLE PULLED																		
29.57	32.61	3.04	1.02	34	0.13	4	4	2	4S	1W	70	INF	90	2	2R	2W		
32.61	35.66	3.05	0.69	23	0.12	4	4	2	4S	1W		INF	40	2	2R	2W		
35.66	38.71	3.05	2.13	70	1.09	36	4	2	3S	1W	50	0.09	20	2	2R	2W		
38.71	41.76	3.05	3.02	99	2.24	73	4	2	3S	1W	50	0.12		2	2R	1W		
41.76	44.81	3.05	2.03	67	1.42	47	4	2	3S	1W	80	0.14	70	2	2R	1W		
44.81	47.85	3.04	3.04	100	1.72	57	0	2	3S	3W	60	0.08	40	2	2R	3W		
47.85	50.90	3.05	2.47	81	1.84	60	0	2	3S	2W	30	0.14	50	2	2R	3W		
50.90	53.95	3.05	3.02	99	1.93	63	0	1	3S	2W	60	0.1		1	2R	2W		
53.95	56.99	3.04	2.50	82	2.03	67	3	1	3S	2W	60	0.17		2	2R	2W		
56.99	60.05	3.06	2.72	89	2.58	84	3	1	4S	2W	65	0.19	10	1	2R	2W		
60.05	63.09	3.04	1.15	38	0.58	19	1	1	4S	2W	30	0.1	30	1	2R	2W		
63.09	66.14	3.05	3.05	100	2.74	90	0	1	3S	1W	50	0.2		2	2R	2W		
66.14	69.19	3.05	2.92	96	1.96	64	0	1	4S	2W	70	0.16	50	2	2R	2W		
69.19	72.24	3.05	3.04	100	2.54	83	0	1	3S	1W	40	0.19	10	2	2R	2W		
72.24	75.29	3.05	3.03	99	2.73	90	2	1	4S	2W	70	0.22	10	1	2R	2W		
75.29	78.33	3.04	2.84	93	1.73	57	2	1	3S	1W	75	0.11	20	2	2R	2W		
78.33	81.38	3.05	3.03	99	1.71	56	2	1	3S	1W	70	0.14	20	2	2R	2W		
81.38	84.43	3.05	3.04	100	2.74	90	2	1	3S	1W	50	0.2		2	2R	2W		
84.43	87.48	3.05	3.05	100	2.16	71	2	1	3S	1W	60	0.17	30	2	2R	2W		
87.48	90.53	3.05	2.86	94	2.41	79	1	1	3S	1W	50	0.14		2	2R	2W		
90.53	93.57	3.04	3.04	100	2.56	84	1	1	3S	1W	75	0.16		1	2R	2W		
93.57	96.62	3.05	2.97	97	1.85	61	1	1	3S	1W	45	0.12		2	2R	2W		

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
HOLE PULLED																	
32.61	35.66	3.05	2.07	68	0.64	21	4	1	3S	1W	30	INF	250	1	2R	2W	
35.66	38.71	3.05	0.85	28	0.00	0	4	1	4S	1W	65	INF	100	1	2R	2W	

# CRAG EAST

Hole: CE-12-09

Date:

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
18	n/a		Obscured by broken core
20	n/a		Obscured by broken core
22	n/a		Obscured by broken core
24	n/a		Obscured by broken core
26	n/a		Obscured by broken core
28	n/a		Obscured by broken core
30	n/a		Obscured by broken core
32	n/a		Obscured by broken core
34	n/a		Obscured by broken core
36	n/a		Undulate shear/fault(?)
38	BD	50	
40	BD	37	
42	BD	42	
44	n/a		fault
46	BD	60	
48	BD	55	
50	BD	32	
52	BD	30	
54	n/a		
56	BD	20	
58	BD	5	undulate bedding
60	n/a		
62	BD	30	
64	BD	20	
66	BD	10	
68	BD	25	
70	BD	35	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
72	n/a		massive bed, no primary structure
74	BD	13	
76	n/a		massive DST bed
78	n/a		massive DST bed
80	n/a		massive DST bed
82	n/a		massive DST bed
84	BD	27	
86	n/a		broken, brecciated beds
88	BD	30	
90	n/a		broken, brecciated beds
92	BD	53	
94	BD	55	

# CRAG EAST

Hole:

Date:

Depth (m)	Magnetic Susceptibility	DESCRIPTION
1.00		
2.00		
3.00		
4.00		
5.00		
6.00		
7.00		
8.00		
9.00		
10.00		

## CRAG EAST

Hole: CE-12-14

Date: July 25,

Box #	From (m)	To (m)
1	18.29	30.36
2	30.36	36.55
3	36.55	41.93
4	41.93	44.81
5	37.35	42.48
6	42.48	48.00
7	48.00	53.95
8	53.95	60.05
9	60.05	67.12
10	67.12	72.53
11	72.53	77.81
12	77.81	83.36
13	83.36	88.91
14	88.91	94.39
15	94.39	96.62/35.66
16	35.66	38.71
EOH		

## CRAG EAST

### CE-12-14

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
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\*Hole lost, redrilled as CE-12-15

## CRAG EAST

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		614439.689	7107827.876	1197.347	364.85

ZONE: Merlot

SECTION: \_\_\_\_\_

HOLE: CE-12-15

CLAIM: Crag 509/Crag East 3

Contractor: Platinum Drilling

Drill: A-5

Core size: NQ2 Reduced at: \_\_\_\_\_ (m)

Casing depth: 29.45 (m) in / **out**

Drilling dates: \_\_\_\_\_ July 26 to 31, 2012

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	45	-45	Compass	224.64	45	-43.4	Ranger Survey
72.24	43.5	-43.5	Ranger Survey	270.36	43.4	-43.7	Ranger Survey
148.44	42.1	-43.7	Ranger Survey	331.32	74	-43.7	Ranger Survey
178.92	45.2	-43.6	Ranger Survey				

TARGET: Testing ground beneath kill zone with strong As soil geochemistry

Geology logged by: K. Unger

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	29.45	29.45	OVB	OVB/casing, no recovery
29.45	42.80	13.35	LST	solution brecciated, silty limestone
42.80	44.81	2.01	FLT	Grey and yellow, altered, faulted limestone
44.81	48.35	3.54	DST	variably brecciated, silty dolostone
48.35	51.72	3.37	VOL	Grey-green, mottled volcanic/volcaniclastic?
51.72	60.65	8.93	DST	Silicified, bleached crackle brecciated dolostone
60.65	73.37	12.72	VOL	Grey-green, banded volcanic/volcaniclastic?
73.37	117.44	44.07	DST	Brecciated to massive, grey, coarse grained dolostone
117.44	145.49	28.05	SHL	Dark grey to maroon shale
145.49	193.25	47.76	DST	Massive, variably brecciated, grey coarse dolostone
193.25	202.22	8.97	LST	Interbedded silty limestone
202.22	236.20	33.98	SLT	Grey and green siltstone
236.20	332.12	95.92	LST	Interbedded, variably sheared silty limestone
332.12	336.75	4.63	GRT	coarse grained, silicious grit and cobbles
336.75	358.90	22.15	SLT	Grey and green, variably clay altered siltstone
358.90	364.85	5.95	LST	Interbedded silty limestone

SAMPLES	
Numbers:	<u>L842347 to L842479</u>
Total:	<u>133</u>
Batch:	<u>18, 19, 20, 21</u>
Date Sent:	_____
Certificate:	<u>WH12179908, WH12183063, WH12181751, WH12185226</u>

COMMENTS
Hole intersected previously unseen igneous/volcanics (volcaniclastics?), carbonate and fine grained sediments. Rock is generally sheared on carbonate/silty contacts (faulting?).



## CRAG EAST

Hole: CE-12-15

Logger Name: K. Unger

Date: July 28, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other				
														Type	Intensity			Type			Conc. (%)	
0.00	29.45	29.45				OVB															Overburden/casing, no recovery	
29.45	42.80	13.35				LST	CG	MD	GY	BX				CLY	2						x	Medium to dark grey, variably brecciated and deformed, interbedded, silty limestone. Core is typically medium grey limestone with dark grey, silty interbeds 1 to 8 mm in width, making up ~20% of core. Bedded limestone textures are overprinted by white, coarse grained, calcareous solution breccia with patchy secondary overprints of grey solution textures over earlier solution collapse breccias. Dark grey silty interbeds are variably deformed, appearing planar to undulate and sinuous with clay alteration where deformation is strongest. Brecciation increases with depth.
								DK	GY	BX												
42.80	44.81	2.01				FLT		DK	GY	YL		3		CLY	4							Dark grey to rusty yellow, strongly clay altered, faulted limestone. Grey limestone and dolostone clasts and blocks are supported by dark grey to rusty yellow clay gouge. Upper contact is abrupt, clasts <4 mm in size of limestone are supported in a dark grey clay-like matrix below a sharp contact with brecciated limestone above. Lower contact is gradational, core becomes more crackle breccia in texture with depth, with rusty orange and yellow clays along crackle breccia structures that crosscut black crackle breccia and white solution breccia textures.
44.81	48.35	3.54				DST	CG	MD	GY	BX		2		CLY	2							Medium grey, variably brecciated and deformed silty dolostone. Core reacts with HCl only when scratched in medium grey beds that are divided by dark grey, deformed, variably clay altered silty interbeds. Silty interbeds are undulate to sinuous throughout. Core is rubbly to blocky, with rusty yellow staining on fracture faces throughout. Where core is most rubbly, fracture faces are coated with powdery yellow, rusty clay.
48.35	51.72	3.37				VOL		DK	GN					SIL	2	0.10						Dark grey-green, variably foliated/banded, fine to coarse grained volcanic rock (basalt? volcanoclastic). Core appears as dark olive grey-green with variable, mottled patches that are subparallel in orientation (flow banding?) with medium grey green mottled "spots" set against a darker grey-green matrix. Medium grey, silicification altered bands of dolostone(?) are present as undulate bands <9 cm in width to ameboid masses with black, orthogonal to bedding crackling. Ameboid blobs of pyrite are proximal to dolostone bands as brassy yellow masses up to 3.5 cm in size.
51.72	60.65	8.93				DST	CG	LT	GY	BX				SIL	4	0.01					x	Light to medium grey, silicification altered, variably crackle brecciated, bleached dolostone. Core is a uniform light, cloudy grey and is harder than typical throughout. Dark grey-blue crackle breccia is seen throughout. Some dark-grey crackle breccia structures are up to 2 mm wide, with brassy yellow pyrite seen within.
								MD	GY	BX				BLE	4							

### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION					
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other							
														Type	Intensity			Type			Conc. (%)				
60.65	73.37	12.72					VOL		DK	GN	BN					0.10	0.01								Dark grey-green, variably banded, fine to coarse grained, igneous rock/volcanic (volcaniclastic?). Core is dark olive green-grey with irregularly oriented fabric throughout. Rock is variably fine to coarse grained and crystalline, supporting light grey silicification altered bands and clasts of dolostone(?) which hosts black crackle breccia that is orthogonal to banding. Core appears variable sheared with irregular stringers of creamy yellow-white dolomite (deformed bands?) with nodules of brassy yellow pyrite. Trace realgar is present as platy flakes on an open joint.
73.37	117.44	44.07					DST	CG	MD	GY	BX													x	Medium to dark grey, variably brecciated to massive, coarse grained dolostone. Core is typically medium grey, coarse grained dolostone with intermittent silty, dark grey interbeds and irregularly oriented solution breccia structures. Solution breccia textures appear in patches, at times nearly absent to dominant, and is oriented parallel with bedding where the two overlap. Dark blue-grey to black crackle breccia overprints solution breccia, at times with stylolitic sutures on margins of solution breccia textures.
			73.07	78.38	5.31		DST	CG	LT	GY	BX				BLE	4								x	Light grey, moderately crackle brecciated dolostone. Core appears light grey with variable dark blue-grey crackle breccia throughout, crosscutting wavy, <1 to 1 mm wide commonly oriented structures (relict bedding?) throughout. Bleached alteration decreases with depth.
			78.38	78.73	0.35		DST	CG	MD	GY	BX					0.10									Medium to dark grey tectonic brecciated dolostone. Grey dolostone exhibits tectonic brecciation, becoming crackle brecciation with depth. Grey dolostone clasts are set within a dark blue-grey to black, soft fine grained matrix. <3 mm size pyrite blebs are seen within black matrix/breccia structures. Healed fault?
			78.73	117.44	38.71		DST	CG	MD	GY	BX														Medium to dark grey, variably brecciated, coarse grained dolostone. Core is typically massive, medium grey beds of dolostone with patchy solution breccia throughout, with zones of medium to dark grey, silty interbeds. Interbeds are <1 mm to 4 mm thick, found in bands up to 70 cm wide of rhythmic bedding dominated by medium grey, coarse grained dolostone. Solution breccia is variable in strength throughout, typically irregular, coarse grained white dolomite filled structures with random orientations to bedding parallel where the two overlap.
117.44	145.49	28.05					SHL	FG	DK	GY	BN														Dark grey to maroon to green, fine grained, shale. Core is typically dark grey-green to maroon, fine grained bands of shale and siltstone with bands of green shale. Irregular blobs of white quartz are scattered throughout, up to 1.8 cm in size. Narrow, intermittent beds of grey, siliceous grit are up to 5.1 cm thick are scattered throughout.

### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other				
														Type	Intensity			Type			Conc. (%)	
			117.44	123.24	5.80		SHL	FG	DK	GY	BD				CLY	3						Dark grey to grey green, variably clay altered and sheared shale. Fabric is variable, typically undulate to sinuous, with sections where bedding is obliterated/obscured by shearing. Clay alteration is preferential to zones of deformation where bedding is most broken.
			123.24	129.00	5.76		SHL	FG		MN	BN											Maroon to green, banded shale. Core typically maroon shale with narrow bands 1 mm to 30 cm wide bands of pale green shale. Grey, coarse grained gritty beds up to 7.2 cm wide are seen preferential to green bands. Grey shale interbeds become more frequent with depth.
			129.00	145.49	16.49		SHL	FG		GN	BN											Dark grey to green, banded to interbedded shale. Core typically exhibits planar bedding with sections of deformed and sheared beds intermittent throughout. White quartz stringers are seen where bedding is most deformed, sinuous in appearance and up to 4 mm wide. Coarse grained, gritty, silicic beds up to 32 cm wide are seen throughout, and are present as clasts of broken beds at base of unit where shear and deformation is strongest.
145.49	193.25	47.76					DST	CG	MD	GY	MA											Medium to dark grey, massive, variably brecciated dolostone. Core is typically massive, coarse grained dolostone with variable coarse grained white dolomitic structures. Intermittent patches of bedding with dark grey, 1 to 4 mm wide silty interbeds are scattered throughout in bands up to 1.83 m wide. Dark interbeds at time appear wispy (relict bedding? dissolution?).
			190.06	193.25	3.19		DST	CG	MD	GY	BX											Medium to dark grey, rebrecciated dolostone. Core appears as angular to ameboid, dark grey to white clasts of dolostone. Earlier solution breccia structures are rebrecciated, often with sutured margins along stylolitic structures of variable orientations throughout. Core variably bears grey-black clay on open fractures.
193.25	202.22	8.97					LST	CG	DK	GY	BX				CLY	2						Dark to medium grey, interbedded, silty limestone. Core is dominated by medium grey, coarse grained beds of limestone upsection, gradually becoming darker and siltier with depth, calcareous beds become absent below 202.22 m. Bedding in generally deformed, exhibiting undulate folds and offsets up to 1.0 cm along healed fractures that are generally orthogonal to bedding. Core is blocky, generally in pieces no more than 20 cm long. Core fractures readily along black, silty interbeds. Clay alteration is present along broken and deformed silty interbeds.





## CRAG EAST

Hole: CE-12-15

Logger Name: K. Unger

Date: July 28, 2012

Depth (m)	DESCRIPTION
42.80	Abrupt contact, limestone above and fault below along contact oriented 40-45 degrees to core axis.
44.81	Gradational contact, obscured by rubble and broken core/drill break.
48.35	Sharp contact, brecciated dolostone above sinuous band 4.4 cm wide of grey clay and white dolomite with a general orientation 40 degrees to core axis.
51.72	Sharp contact, with irregular, undulate margin at times 10 degrees to core axis with bleached dolostone below, margin is defined by grey, soft band and pyritic nodules.
60.65	Abrupt contact with green volcanic below with an irregular orientation, obscured by broken core.
73.37	Sharp contact with an undulate margin, at times parallel with to core axis, ending at 73.37 m, defined by black margins with white dolostone band <5 mm wide along volcanic margin.
117.44	Sheared (fault contact?) between dolostone above and shale below, broken/deformed beds are in a variably clay altered shale becoming undeformed maroon shale at 123.24 m, with dolostone clasts absent below 118.80 m.
145.49	Abrupt contact obscured by drill break and redrilled core.
193.25	Gradational contact of sheared and broken core over 1.1 cm, obscured by broken core.
202.22	Gradational contact, becoming less limey with depth, limestone beds absent below 202.22 m.
322.12	Gradational contact, bedding is sheared and deformed over 1.2 m, grading from broken silty siltstone to coarse grained quartz grit at 322.12 m.
336.75	Gradational contact over 10 cm, gritty sediments grade into green-grey siltstone at 336.75 m.
358.90	Sharp contact, lime beds appear below 358.60 m.

## CRAG EAST

Hole: CE-12-15

Logger Name: K. Unger

Date: July 28, 2012

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
BX	29.45	42.80	n/a	n/a		Ca	100.00	Variably oriented, white, coarse grained calcite filled solution breccia structures, typically as irregular bodies up to 9 cm wide supporting grey, angular limestone clasts.	
VT	44.81	48.35	45.00	n/a	16.00	Qz	60.00	White quartz-dolomite veinlets, 1 to 4 mm wide, at times with vuggy cavities with toothy dolomite lining cavities, oriented 35-50 degrees to core axis, 4-6 per meter.	
VT	51.72	60.65	80.00	n/a	8.00	Qz	100.00	Narrow, white quartz veinlets, 1-2 mm wide, 70 degrees to core axis.	
VT	60.65	73.37	35.00	0.00	12.00	Qz	100.00	White, sinuous quartz stringers, generally oriented 20-40 degrees to core axis, 0 degrees to weak banding in unit, 1 mm to 9 mm wide, present proximal to edges of unit.	
VT	79.44		35.00	270.00	1.00	Qz	100.00	quartz veinlet made of white quartz with black, '1 mm wide margins, oriented 35 degrees to core axis, ~270 degrees to bedding.	
VT	135.20	145.49	50.00	0.00		Qz	100.00	Narrow white quartz stringers/veinlets, generally parallel to subparallel with bedding through interval even where BD is deformed, oriented 20-60 degrees to core axis, typically 40-50 degrees and 0 degrees to bedding, though other random orientations are seen.	
BX	185.45	186.50	45.00	0.00				Preferential orientation in solution breccia, zebra-like in appearance and parallel to bedding, 40-50 degrees to core axis.	
VT	193.55	200.48	10.00	270.00		Ca	100.00	White, <1 to 1 mm wide calcite fracture fills/tension gashes in coarse grained limestone interbeds, ~10 degrees to core axis, 270 degrees to bedding.	
VN	208.60	212.75	45.00	n/a	6.00	Qz	100.00	coarse grained, white quartz and creamy yellow dolomite veins, generally 45 degrees to core axis in zones of sheared and deformed bedding, often sinuous and irregular in propagation, up to 9.8 cm wide.	
VT	222.65	223.91	10.00	180.00		Qz	100.00	White-grey quartz vein with angular margins, 10 degrees to core axis, ~180 degrees to bedding, 2-4 mm wide through silicified altered debris.	
VN	311.60	319.80	60.00	n/a	15.00	Ca	100.00	White calcite veins, generally 60 degrees to core axis, cross-cutting bedding which is variable throughout and are 1.7 to 6.0 cm wide.	
VN	319.80	322.00	n/a	n/a		Ca	75.00	White, coarse grained, sinuous blobs and veins of quartz-calcite, lacking common orientation within sheared contact between limestone and grit.	
VT	338.08		50.00	0.00	17.00	Qz	70.00	White to creamy yellow, quartz-dolomite veinlets to blobs as sinuous stringers to amoeboid blobs parallel to sub-parallel to bedding, most commonly 50 degrees to core axis to masses where core exhibits shearing.	





# CRAG EAST

Hole: CE-12-09

Date:

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
75.29	78.33	3.04	3.04	100	L842347	18					7.0
78.33	78.83	0.50	0.49	98	L842348	18					1.2
		0.00		####	L842349	18				Standard GS-1G	0.3
78.33	81.38	3.05	2.52	83	L842350	18					6.2
81.38	84.43	3.05	3.05	100	L842351	18					7.8
84.43	87.48	3.05	2.97	97	L842352	18					7.8
87.48	90.53	3.05	3.00	98	L842353	18					7.6
90.53	93.57	3.04	3.02	99	L842354	18					7.2
93.57	96.62	3.05	3.02	99	L842355	18					7.4
		0.00		####	L842356	18				Coarse Reject	-
96.62	99.67	3.05	3.05	100	L842357	18					7.4
99.67	102.72	3.05	2.74	90	L842358	18					6.8
102.72	105.77	3.05	2.94	96	L842359	18					7.0
105.77	108.81	3.04	2.32	76	L842360	18					5.4
108.81	111.86	3.05	3.05	100	L842361	18					8.2
111.86	114.91	3.05	3.05	100	L842362	18					8.2
114.91	117.44	2.53	2.50	99	L842363	18					6.8
117.44	118.70	1.26	1.20	95	L842364	18					3.2
118.70	121.01	2.31	2.19	95	L842365	18					5.8
		0.00		####	L842366	18				Blank	3.4
121.01	123.24	2.23	2.10	94	L842367	18					6.8
123.24	124.05	0.81	0.81	100	L842368	18					2.2
124.05	127.10	3.05	3.05	100	L842369	18					7.6
		0.00		####	L842370	18				Standard ME-6	0.3
127.10	130.15	3.05	3.00	98	L842371	18					7.2
130.15	133.20	3.05	2.99	98	L842372	18					7.4
133.20	136.25	3.05	3.05	100	L842373	18					7.4
136.25	139.29	3.04	3.04	100	L842374	19					8.2

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
139.29	142.34	3.05	3.05	100	L842375	19					7.6
142.34	144.00	1.66	1.64	99	L842376	19					4.3
144.00	145.49	1.49	0.89	60	L842377	19					2.8
145.49	148.44	2.95	2.46	83	L842378	19					6.7
148.44	151.49	3.05	2.48	81	L842379	19					6.4
		0.00		####	L842380	19				Coarse Reject	-
151.49	154.53	3.04	3.04	100	L842381	19					8.5
		0.00		####	L842382	19				Standard GS-1G	0.3
154.53	157.58	3.05	3.05	100	L842383	19					7.4
157.58	160.63	3.05	3.05	100	L842384	19					8.0
		0.00		####	L842385	19				Standard GS-4D	0.3
160.63	163.68	3.05	3.05	100	L842386	19					7.5
163.68	166.73	3.05	3.05	100	L842387	19					8.0
166.73	169.77	3.04	2.98	98	L842388	19					8.2
169.77	172.82	3.05	3.04	100	L842389	19					8.2
172.82	175.87	3.05	3.04	100	L842390	19					8.2
175.87	178.92	3.05	3.05	100	L842391	19					7.8
178.92	181.97	3.05	2.93	96	L842392	19					7.2
181.97	185.01	3.04	3.05	100	L842393	19					6.8
185.01	188.06	3.05	2.64	87	L842394	19					7.6
188.06	191.11	3.05	3.03	99	L842395	19					7.7
191.11	193.25	2.14	1.89	88	L842396	19					5.6
		0.00		####	L842397	19				Blank	4.4
193.25	194.16	0.91	0.83	91	L842398	19					2.0
194.16	197.21	3.05	3.04	100	L842399	19					7.0
		0.00		####	L842400	19				1/4 Duplicate	3.6
197.21	200.25	3.04	1.78	59	L842401	19					3.8
200.25	202.22	1.97	1.74	88	L842402	19					5.2
		0.00		####	L842403	19				Blank	4.0
202.22	203.30	1.08	1.06	98	L842404	19					2.6
203.30	206.35	3.05	3.04	100	L842405	19					8.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
206.35	209.40	3.05	3.03	99	L842406	19					7.6
209.40	212.45	3.05	3.02	99	L842407	19					8.0
212.45	215.49	3.04	3.05	100	L842408	19					7.4
215.49	218.54	3.05	2.89	95	L842409	19					7.4
218.54	221.59	3.05	2.80	92	L842410	20					7.1
		0.00		####	L842411	20				Standard GS-1G	0.3
221.59	222.65	1.06	0.92	87	L842412	20					2.6
222.65	223.91	1.26	1.26	100	L842413	20					3.1
223.91	224.64	0.73	0.73	100	L842414	20					2.1
224.64	227.69	3.05	2.92	96	L842415	20					7.8
227.69	230.73	3.04	2.98	98	L842416	20					7.8
230.73	233.78	3.05	3.05	100	L842417	20					7.8
233.78	236.20	2.42	2.38	98	L842418	20					6.8
236.20	236.83	0.63	0.62	98	L842419	20					1.7
236.83	239.88	3.05	3.02	99	L842420	20					7.9
239.88	242.93	3.05	2.93	96	L842421	20					7.9
242.93	245.97	3.04	3.04	100	L842422	20					8.1
245.97	249.02	3.05	3.04	100	L842423	20					7.9
249.02	252.07	3.05	3.03	99	L842424	20					7.9
252.07	255.12	3.05	3.03	99	L842425	20					7.6
		0.00		####	L842426	20				1/4 Duplicate	3.6
252.12	258.17	6.05	2.93	48	L842427	20					7.6
		0.00		####	L842428	20				Blank	2.9
258.17	261.21	3.04	3.04	100	L842429	20					8.0
		0.00		####	L842430	20				Standard GS-4D	0.3
261.21	264.26	3.05	2.99	98	L842431	20					7.2
264.26	267.31	3.05	2.36	77	L842432	20					6.3
		0.00		####	L842433	20				Coarse Reject	-
267.31	270.36	3.05	2.62	86	L842434	20					6.5
270.36	273.41	3.05	2.87	94	L842435	20					7.5
273.41	276.45	3.04	3.04	100	L842436	20					7.8
		0.00		####	L842437	20				Blank	3.3

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
276.45	279.50	3.05	3.05	100	L842438	20					7.8
279.50	282.55	3.05	3.05	100	L842439	20					7.9
282.55	285.60	3.05	3.05	100	L842440	20					7.7
285.60	287.30	1.70	1.65	97	L842441	20					4.4
287.30	288.65	1.35	1.35	100	L842442	20					3.5
288.65	291.69	3.04	3.04	100	L842443	20					8.0
291.69	292.52	0.83	0.79	95	L842444	20					2.1
292.52	293.12	0.60	0.60	100	L842445	20					2.3
293.12	294.74	1.62	1.54	95	L842446	21					4.3
294.74	297.79	3.05	3.05	100	L842447	21					8.0
297.79	300.84	3.05	3.05	100	L842448	21					8.0
300.84	302.87	2.03	2.03	100	L842449	21					5.3
302.87	303.89	1.02	0.93	91	L842450	21					2.3
		0.00		####	L842451	21				1/4 Duplicate	1.2
303.89	306.93	3.04	3.04	100	L842452	21					8.1
306.93	309.98	3.05	3.05	100	L842453	21					8.7
309.98	313.03	3.05	3.03	99	L842454	21					8.4
313.03	316.08	3.05	2.80	92	L842455	21					8.5
316.08	319.13	3.05	3.02	99	L842456	21					8.3
319.13	322.12	2.99	2.88	96	L842457	21					7.9
322.12	323.12	1.00	1.00	100	L842458	21					2.3
		0.00		####	L842459	21				Coarse Reject	-
323.12	325.22	2.10	1.90	90	L842460	21					4.8
325.22	328.27	3.05	3.02	99	L842461	21					7.9
328.27	331.32	3.05	3.05	100	L842462	21					7.7
331.32	334.37	3.05	2.93	96	L842463	21					7.4
334.37	336.75	2.38	2.36	99	L842464	21					6.3
336.75	337.41	0.66	0.66	100	L842465	21					1.4
		0.00		####	L842466	21				Blank	5.1
337.41	340.46	3.05	2.99	98	L842467	21					7.7
		0.00		####	L842468	21				Standard GS-1G	0.3
340.46	343.51	3.05	2.94	96	L842469	21					8.5

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
343.51	346.56	3.05	3.02	99	L842470	21					8.2
346.56	349.61	3.05	2.87	94	L842471	21					8.0
349.61	352.65	3.04	2.97	98	L842472	21					8.5
352.65	355.70	3.05	2.84	93	L842473	21					8.3
355.70	357.00	1.30	1.28	98	L842474	21					2.9
357.00	358.90	1.90	1.82	96	L842475	21					2.8
358.90	361.80	2.90	2.85	98	L842476	21					8.1
		0.00		####	L842477	21				Standard GS-1G	0.3
361.80	364.85	3.05	3.01	99	L842478	21					7.0
		0.00			L842479	21				Blank	5.0

# CRAG EAST

Hole: CE-12-15

Tech Name: DYCK

Date: 28-JUL-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
29.57	32.61	3.04	2.10	69	0.46	15	4	1	4S	2W	50	INF	120	1	2R	2W	
32.61	35.66	3.05	2.21	72	0.19	6	4	1	4S	2W	50	INF	90	1	2R	2W	
35.66	38.71	3.05	2.42	79	1.18	39	4	1	3S	2W	50	INF		1	2R	2W	
38.71	41.76	3.05	3.03	99	2.21	72	4	1	3S	2W	70	0.13	10	1	2R	2W	
41.76	44.81	3.05	2.65	87	1.49	49	4	1	3S	3W	70	INF	160	1	3R	3W	
44.81	47.85	3.04	3.04	100	0.32	11	4	1	2S	3W	40	INF		1	3R	4W	
47.85	50.90	3.05	2.92	96	0.89	29	2	1	2S	2W	60	0.1		1	2R	3W	
50.90	53.95	3.05	2.34	77	1.78	58	2	1	3S	1W	30	0.15		1	2R	1W	
53.95	57.00	3.05	3.05	100	2.60	85	0	1	3S	1W	50	0.19		1	2R	1W	
57.00	60.05	3.05	3.05	100	2.59	85	0	1	3S	1W	70	0.18		1	2R	1W	
60.05	63.09	3.04	2.97	98	2.23	73	0	1	3S	1W	30	0.13		2	2R	2W	
63.09	66.14	3.05	3.03	99	2.84	93	0	1	4S	1W	60	0.23		2	2R	1W	
66.14	69.19	3.05	3.05	100	2.97	97	0	1	4S	1W	40	0.25		1	2R	1W	
69.19	72.24	3.05	3.04	100	2.95	97	0	1	4S	1W	40	0.28		2	2R	1W	
72.24	75.29	3.05	3.05	100	2.59	85	0	1	4S	1W	50	0.15		2	2R	1W	
75.29	78.33	3.04	3.04	100	2.42	80	1	1	4S	1W	25	0.15	15	1	2R	2W	
78.33	81.38	3.05	3.05	100	2.79	91	1	1	4S	1W	50	0.2		1	2R	1W	
81.38	84.43	3.05	3.05	100	2.65	87	1	1	4S	1W	50	0.18		2	2R	1W	
84.43	87.48	3.05	2.97	97	2.68	88	2	1	4S	1W	55	0.2		2	2R	1W	
87.48	90.53	3.05	3.00	98	2.85	93	1	1	4S	1W	50	0.23		1	2R	1W	
90.53	93.57	3.04	3.02	99	2.62	86	1	1	4S	1W	50	0.23		2	2R	1W	
93.57	96.62	3.05	3.02	99	2.57	84	1	1	4S	1W	55	0.23		1	2R	1W	
96.62	99.67	3.05	3.05	100	2.35	77	1	1	3S	1W	35	0.14		2	2R	1W	
99.67	102.72	3.05	2.74	90	1.81	59	1	1	4S	1W	50	0.12		1	2R	1W	
102.72	105.77	3.05	2.94	96	2.62	86	1	1	3S	1W	50	0.18		1	2R	1W	
105.77	108.81	3.04	2.32	76	1.37	45	2	1	3S	1W	60	0.12		2	2R	1W	
108.81	111.86	3.05	3.05	100	2.74	90	2	1	3S	1W	30	0.16		2	2R	1W	
111.86	114.91	3.05	3.05	100	2.29	75	3	1	3S	1W	55	0.13	20	1	2R	2W	
114.91	117.96	3.05	3.05	100	2.43	80	4	1	1S	1W	60	0.13	10	2	3R	2W	
117.96	121.01	3.05	3.00	98	0.87	29	0	1	2S	3W	60	0.08	130	1	2R	4W	
121.01	124.05	3.04	3.04	100	0.90	30	0	1	2S	3W	60	0.07	180	1	2R	4W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
124.05	127.10	3.05	3.05	100	2.23	73	0	1	3S	2W	60	0.11		1	1R	2W	
127.10	130.15	3.05	3.00	98	2.08	68	0	1	3S	2W	50	0.13		1	2R	2W	
130.15	133.20	3.05	2.99	98	2.45	80	1	1	4S	2W	50	0.12	10	2	2R	3W	
133.20	136.25	3.05	3.05	100	2.86	94	0	1	4S	1W	60	0.18		1	2R	1W	
136.25	139.29	3.04	3.04	100	2.95	97	0	1	4S	2W	70	0.18		1	2R	2W	
139.29	142.34	3.05	3.05	100	1.82	60	0	1	4S	2W	80	0.09	10	1	2R	2W	
142.34	145.39	3.05	2.53	83	1.49	49	0	1	4S	2W	30	INF	10	1	2R	2W	
145.39	148.44	3.05	2.91	95	1.37	45	0	1	4S	2W	40	INF	120	2	3R	1W	
148.44	151.49	3.05	2.48	81	1.96	64	4	1	4S	2W	40	0.14		2	2R	2W	
151.49	154.53	3.04	3.04	100	3.04	100	3	1	4S	1W	60	0.25		2	2R	2W	
154.53	157.58	3.05	3.05	100	2.48	81	3	1	4S	1W	45	0.16	190	1	2R	2W	
157.58	160.63	3.05	3.05	100	2.63	86	2	1	4S	1W	60	0.16		2	2R	2W	
160.63	163.68	3.05	3.05	100	2.68	88	2	1	4S	2W	40	0.14	15	2	3R	2W	
163.68	166.73	3.05	2.98	98	2.88	94	0	1	4S	1W	50	0.19		1	2R	1W	
166.73	169.77	3.04	3.04	100	2.86	94	0	1	4S	1W	60	0.19		1	2R	1W	
169.77	172.82	3.05	3.04	100	2.97	97	3	1	4S	1W	50	0.21		1	2R	1W	
172.82	175.87	3.05	3.05	100	2.86	94	4	1	4S	1W	50	0.17		1	3R	1W	
175.87	178.92	3.05	2.93	96	2.49	82	2	1	4S	1W	40	0.13		1	2R	1W	
178.92	181.97	3.05	3.05	100	1.83	60	1	1	5S	1W	40	0.09		2	2R	1W	
181.97	185.01	3.04	2.64	87	1.22	40	1	1	4S	1W	50	INF		2	2R	1W	
185.01	188.06	3.05	3.03	99	2.36	77	1	1	4S	1W	40	0.12		1	2R	2W	
188.06	191.11	3.05	3.02	99	2.80	92	2	1	4S	1W	40	0.22		1	2R	1W	
191.11	194.16	3.05	3.02	99	1.70	56	1	1	4S	1W	60	0.09	20	1	2R	2W	
194.16	197.21	3.05	3.04	100	1.25	41	3	1	3S	2W	50	0.07		1	2R	2W	
197.21	200.25	3.04	1.78	59	0.44	14	0	1	5S	2W	60	INF	10	1	2R	3W	
200.25	203.30	3.05	3.05	100	2.06	68	4	1	4S	2W	70	INF	260	1	2R	2W	
203.30	206.35	3.05	3.04	100	2.54	83	0	1	4S	2W	60	0.14		1	2R	2W	
206.35	209.40	3.05	3.03	99	1.17	38	0	1	4S	1W	70	0.07		1	2R	2W	
209.40	212.45	3.05	3.02	99	2.13	70	0	1	4S	2W	80	0.08		1	2R	1W	
212.45	215.49	3.04	3.05	100	2.35	77	0	1	4S	2W	60	0.14	20	1	2R	2W	
215.49	218.54	3.05	2.89	95	1.29	42	0	1	3S	1W	60	0.06		1	2R	2W	
218.54	221.59	3.05	2.80	92	1.07	35	0	1	2S	2W	60	0.05	10	1	2R	3W	
221.59	224.64	3.05	3.05	100	2.25	74	0	1	4S	2W	50	0.1		1	2R	2W	
224.64	227.69	3.05	2.92	96	1.72	56	0	1	4S	1W	50	0.08		1	2R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
227.69	230.73	3.04	2.98	98	2.26	74	0	1	3S	1W	50	0.1		1	2R	1W	
230.73	233.78	3.05	3.05	100	0.63	21	0	1	3S	2W	70	0.05		1	2R	2W	
233.78	236.83	3.05	3.03	99	2.51	82	0	1	3S	1W	70	0.15		1	2R	1W	
236.83	239.88	3.05	3.02	99	1.97	65	4	1	3S	1W	70	0.09		1	2R	2W	
239.88	242.93	3.05	2.93	96	2.14	70	4	1	3S	1W	70	0.11		1	2R	2W	
242.93	245.97	3.04	3.04	100	1.96	64	4	1	3S	2W	60	0.09		1	2R	2W	



# CRAG EAST

Hole: CE-12-09

Date:

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
30	n/a		rubbly core
32	n/a		rubbly core
34	n/a		rubbly core
36	n/a		rubbly core
38	BD	50	
40	BD	35	
42	BD	40	
44	n/a		fault
46	BD	60	
48	BD	55	
50	BD	35	
52	BD	3	
54	n/a		
56	BD	20	
58	BD	5	undulate bedding
60	BD	30	
62	BD	20	
64	BD	12	
66	BD	25	
68	BD	35	
70	n/a		
72	BD	15	
74	n/a		
76	n/a		
78	n/a		
80	n/a		
82	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
84	BD	30	
86	n/a		broken, brecciated beds
88	BD		
90	n/a		broken, brecciated beds
92	BD		
94	n/a		massive DST beds
96	n/a		massive DST beds
98	n/a		massive DST beds
100	n/a		massive DST beds
102	n/a		massive DST beds
104	n/a		massive DST beds
106	n/a		massive DST beds
108	n/a		massive DST beds
110	BD	20	relict bedding
112	n/a		
114	n/a		
116	BD	60	
118	n/a		sheared, deformed bedding
120	BD	72	
122	BD	45	undulate bedding
124	BD	50	
126	BD	60	
128	BD	62	
130	BD	65	
132	BD	60	
134	BD	82	
136	BD	80	
138	n/a		
140	BD	90	sheared bedding

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
142	n/a		
144	BD	20	deformed beds
146	n/a		massive coarse grained bed
148	n/a		massive coarse grained bed
150	n/a		massive coarse grained bed
152	n/a		massive coarse grained bed
154	n/a		massive coarse grained bed
156	n/a		massive coarse grained bed
158	n/a		massive coarse grained bed
160	n/a		massive coarse grained bed
162	BD	30	
164	BD	35	mottled fabric
166	n/a		
168	BD	48	relict bedding
170	n/a		
172	n/a		
174	n/a		
176	BD	35	undulate bedding
178	n/a		
180	n/a		
182	n/a		
184	n/a		
186	BD	50	brecciation along bedding
188	n/a		
190	n/a		
192	n/a		
194	BD	55	
196	BD	55	
198	n/a		obscured by broken core
200	n/a		obscured by broken core

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
202	BD	62	
204	BD	50	
206	BD	60	
208	BD	60	
210	n/a		obscured by Qz vein
212	BD	35	
214	BD	25	
216	n/a		deformed beds, undulate
218	BD	70	
220	BD	75	
222	BD	58	
224	BD	65	
226	BD	65	
228	BD	60	
230	BD	78	
232	BD	70	
234	BD	60	
236	BD	62	
238	BD	68	
240	BD	40	
242	BD	75	
244	BD	65	
246	BD	65	
248	BD	65	
250	BD	60	
252	BD	55	
254	BD	72	
256	BD	64	
258	BD	40	
260	BD	70	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
262	BD	55	
264	BD	82	
266	BD	60	
268	BD	50	
270	BD	64	
272	BD	30	
274	BD	60	
276	n/a		irregular, calcite body
278	BD	60	
280	n/a		
282	BD	55	
284	BD	50	
286	BD	73	
288	BD	62	
290	n/a		massive grit
292	n/a		massive grit
294	n/a		massive grit
296	n/a		massive grit
298	n/a		massive grit
300	n/a		massive grit
302	n/a		massive grit
304	BD	20	undulate bedding
306	BD	30	
308	BD	25	
310	BD	10	undulate, folded bedding
312	BD	25	undulate bedding
314	BD	30	
316	BD	48	
318	BD	45	
320	BD	35	undulate bedding

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
322	n/a		sheared, obliterated bedding
324	n/a		massive grit
326	n/a		massive grit
328	n/a		massive grit
330	n/a		massive grit
332	n/a		massive grit
334	n/a		massive grit
336	BD	50	
338	BD	60	
340	BD	50	
342	BD	n/a	sheared bedding
344	BD	80	
346	BD	50	
348	BD	62	
350	BD	85	
352	BD	85	
354	BD	72	
356	BD	n/a	sheared bedding, variable angles
358	BD	60	
360	BD	40	
362	BD	65	
364	BD	45	undulate bedding



## CRAG EAST

Hole: CE-12-15

Date: 28-JUL-1

Box #	From (m)	To (m)
1	29.45	38.04
2	38.04	43.24
3	43.24	47.85
4	47.85	53.95
5	53.95	59.41
6	59.41	64.56
7	64.56	69.98
8	69.98	75.35
9	75.35	80.64
10	80.64	86.03
11	86.03	91.28
12	91.28	96.62
13	96.62	101.65
14	101.65	107.31
15	107.31	112.64
16	112.64	117.94
17	117.94	123.46
18	123.46	129.02
19	129.02	134.65
20	134.65	140.19
21	140.19	145.94
22	145.94	151.97
23	151.97	157.37
24	157.37	162.67
25	162.67	168.16
26	168.16	173.59
27	173.59	178.86
28	178.86	183.90
29	183.90	189.38



## CRAG EAST

30	189.38	194.86
31	194.86	201.58
32	201.58	205.95
33	205.95	211.30
34	211.30	216.89
35	216.89	222.11
36	222.11	227.42
37	227.42	232.81
38	232.81	238.39
39	238.39	243.98
40	243.98	249.40
41	249.40	254.93
42	254.93	260.34
43	260.34	265.94
44	265.94	272.07
45	272.07	277.53
46	277.53	282.88
47	282.88	288.28
48	288.28	293.54
49	293.54	299.20
50	299.20	304.62
51	304.62	309.98
52	309.98	314.44
53	314.44	320.27
54	320.27	326.08
55	326.08	331.49
56	331.49	336.83
57	336.83	342.34
58	342.34	347.52
59	347.52	352.81
60	352.81	358.17
61	358.17	363.56
62	363.56	364.85

## CRAG EAST

### CE-12-15

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
137	41.76	352.7	17.7	-44.4	43928	40.5	1.003	40.5	222.3	165.6	-31.08	7/31/12 3:09:31 AM
187	57.00	15.2	40.2	-43.4	57513	78.6	1.003	40.5	258.5	73.5	-4.51	7/31/12 2:59:11 AM
237	72.24	18.5	43.5	-43.5	57599	79.1	1.001	40.5	121.9	296.1	-4.7	7/31/12 2:56:21 AM
287	87.48	15	40	-43.5	57431	78.8	1.001	40.5	306.9	122	-0.25	7/31/12 2:50:41 AM
337	102.72	14.9	39.9	-43.6	57468	79	1	40.5	340.8	156	-2.72	7/31/12 2:48:01 AM
387	117.96	16.9	41.9	-43.7	57374	78.7	1.003	41.5	251	65.4	-0.66	7/31/12 2:32:11 AM
437	133.20	16.5	41.5	-43.8	57444	78.8	1.001	41.5	314.3	128.8	-0.86	7/31/12 2:30:31 AM
487	148.44	17.1	42.1	-43.7	57464	78.8	1.001	42.3	294.7	109.1	-2.33	7/31/12 2:24:21 AM
537	163.68	18.7	43.7	-43.9	57677	79.2	0.999	42.6	48.3	222.5	-2.15	7/31/12 2:20:51 AM
587	178.92	20.2	45.2	-43.6	57441	78.7	1.003	42.6	222.8	36.2	-1.3	7/31/12 2:17:11 AM
637	194.16	21.2	46.2	-43.4	57495	78.8	1.003	42.3	195.9	9.1	-1.84	7/31/12 2:14:21 AM
687	209.40	19.9	44.9	-43.6	57645	79.2	0.999	42.3	55.9	229.8	-0.45	7/31/12 2:12:01 AM
737	224.64	20	45	-43.4	57422	78.7	1.003	42.3	233.4	46.9	-2.31	7/31/12 2:08:01 AM
787	239.88	21.6	46.6	-43.6	57543	79	1.002	42.4	147.5	320.7	-3.25	7/31/12 2:05:21 AM
837	255.12	19.3	44.3	-43.5	57414	78.7	1.003	42.6	250.9	64.6	-1.28	7/31/12 2:02:41 AM
887	270.36	18.4	43.4	-43.7	57490	78.8	1.001	42.6	320.3	134.4	-0.61	7/31/12 1:59:21 AM
937	285.60	18.7	43.7	-43.8	57555	79.1	1	42.6	355.3	169.3	-3.17	7/31/12 1:55:11 AM
987	300.84	20.9	45.9	-43.3	57415	78.7	1.003	43	247.9	61.1	-2.51	7/31/12 1:51:11 AM
1037	316.08	19.1	44.1	-43.4	57555	79.1	0.999	43.2	358	172	-4.03	7/31/12 1:47:01 AM
1087	331.32	22	47	-43.7	57623	79.2	1	43	91.8	265.1	-19.62	7/31/12 1:43:01 AM
1137	346.56	7.7	32.7	-43.3	46422	49.8	0.997	42.4	4	147.4	-41.54	7/31/12 1:39:31 AM
1187	361.80	337.5	2.5	-44.1	29227	57.8	1.006	44.4	5.7	223.2	0	7/31/12 1:32:21 AM

## CRAG EAST

ZONE: Merlot

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		614941.357	7107526.263	1343.214	316.08

SECTION: \_\_\_\_\_

HOLE: CE-12-16

CLAIM: Crag 470/Crag East 3

Contractor: Platinum

Drill: A5

Core size: NQ2 Reduced at: \_\_\_\_\_ (m)

Casing depth: 9.82 (m) in / out

Drilling dates: \_\_\_\_\_ July 31 to Aug. 4th

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	0	-45	Compass	206.35	1.8	-46.1	Ranger Survey
53.95	358.9	-44.9	Ranger Survey	313.03	3.8	-47.4	Ranger Survey
114.91	359.7	-45.7	Ranger Survey				
160.63	0.4	-46	Ranger Survey				

TARGET: NE trending linears under Au+/-As soil geochem

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	9.82	9.82	OVB	Overburden/casing, no recovery
9.82	85.76	75.94	DST	Grey, variably brecciated dolostone
85.76	88.25	2.49	FLT	Yellow to grey oxidized and clay altered dolostone fault
88.25	113.11	24.86	DST	Variably brecciated and silicified dolostone
113.11	120.28	7.17	DST	Dark grey to black, altered realgar bearing dolostone
120.28	171.70	51.42	SLT	Grey to maroon, interbedded siltstone and limestone
171.70	267.91	96.21	DST	Grey, variably brecciated silty dolostone
267.91	270.63	2.72	LST	Dark grey, bedded silty limestone
270.63	316.08	45.45	DST	Grey, variably brecciated dolostone

SAMPLES	
Numbers:	<u>L842480-L842500, M400501-M400609</u>
Total:	<u>130</u>
Batch:	<u>21, 22, 23, 24, 25</u>
Date Sent:	_____
Certificate:	<u>WH12185226, WH12186249, WH12187920, WH12187921, WH12191996</u>

COMMENTS
Hole intersected altered, black, ralgar bearing carbonate above contact with maroon siltstone, below oxidized and clay altered fault through dolostone.

## CRAG EAST

Hole: CE-12-16

Logger Name: K. Unger

Date: August 2, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other					
														Type	Intensity			Type			Conc. (%)		
0.00	9.82	9.82					OVB														Overburden/Casing, no recovery.		
9.82	85.76	75.94					DST	CG	MD LT	GY GY	BX BX		3									Medium to light grey, variably brecciated, coarse grained dolostone. Core is typically grey, coarse grained dolostone with white to rusty orange stained, coarse grained, solution breccia structures throughout. Core is typically competent throughout.	
			13.79	15.88	2.09		SLT	FG		BK DK	BD GY			CLY	4							Black to medium grey, thinly bedded and clay altered siltstone. Core is dominated by black, clay altered, soft, silty interbeds that split easily along bedding planes and is broken with ease with fingers.	
			25.92	29.85	3.93		DST	CG	MD	GY ON	BX BX		3									Grey to rusty orange, tectonic brecciated dolostone. Polymictic clasts of medium to dark grey dolostone clasts are angular, to subrounded, up to 2.2 cm wide, supported in a rusty orange, oxidized dolomitic matrix. Upper and lower contacts are gradational, becoming crackle brecciated that overprints solution breccia.	
85.76	88.25	2.49					FLT	CG		YL MD	GY		4	CLY	4						x	Rusty yellow to medium grey, strongly oxidized and clay altered, faulted dolostone. Core is typically rusty yellow and grey grit and rubble. Clay alteration is present where core is most gritty, binding coarse sand sized grains of broken, solution brecciated dolostone. Solution breccia structures are oxidized to rusty yellow-orange, evident in rubble clasts up to 4.5 cm in size.	
88.25	113.11	24.86					DST	CG	MD DK	GY GY	BX BX		2	3								x	Medium to dark grey, variably brecciated, variably silicification altered, dolostone. Core is typically medium to dark grey dolostone with coarse grained, white, dolomitic solution breccia structures, as mottled, ameboid blobs to large bands supporting angular clasts of grey dolostone. Rusty orange staining on fractures and of solution breccia structures are seen up hole below faulted dolostone. Core is harder than typical and glassy when surface is wet. Patchy, dark blue-grey crackle breccia is variable throughout, overprinting solution breccia. A few stylolitic structures are scattered throughout with random orientations.
113.11	120.28	7.17					DST		DK	GY BK			4	CLY	4		0.10					x	Dark grey to black, strongly clay and silicification altered, variably brecciated and sheared dolostone. Clasts of grey, silicification altered dolostone are supported in bands of black, clay altered core between bands of silica altered brecciated dolostone. Trace realgar is present as brittle fracture fills of variable orientations in silica altered solution brecciated dolostone.

### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other			
														Type	Intensity			Type			Conc. (%)
120.28	171.20	50.92					SLT	FG	DK	GY			2								Dark to light grey to maroon and grey-green, variably sheared, interbedded soft silts and limestone. Core is dominated by soft, grey silts with bands of maroon d grey-green silts and medium to light grey, variably silica altered limestone beds which make up ~15% of core. Limestone beds decrease with depth, becoming absent below 171.70 m. Quartz-calcite structures are present where rock exhibits sheared, folded interbeds.
171.20	267.91	96.71					DST	CG	MD	GY			2			0.01					Medium to dark grey, variably brecciated, interbedded silty dolostone. Core is dominated with light-medium grey, coarse grained, dolostone with interbeds 2mm to 1 cm thick composed of dark grey silts scattered throughout. Solution breccia textures vary throughout with white breccia matrix mineralized structures, which are parallel with bedding when the two overlap.
			264.30	267.91	3.61		DST		MD	GY	DB										Medium to dark grey, deformed debrite dolostone. Broken clasts of bedded, medium dark grey, tabular to folded dolostone are set within soft, black, fine grained matrix. Debrite is variably clast to matrix supported with clasts up to 13.5 cm to <1 cm in size and are randomly oriented. Irregular, white calcite fractures are seen throughout with random orientations and widths up to 3 mm.
									DK	GY	DB										
267.91	270.63	2.72					LST	MG	DK	GY	BD			CLY	2						Dark to medium grey, fine to coarse grained, bedded to deformed limestone. Core is generally well bedded with deformed beds intermittent throughout, with irregular, white calcite bodies and black clay along deformed interbeds where bedding is deformed. Core is dominated by medium to dark grey limestone with ~10% of core made up of silty laminations that are scattered throughout. Core is deformed preferentially in zones up to 20 cm wide where rock has a higher frequency of silty interbeds.
									MD	GY	BD										
270.63	316.08	45.45					DST	CG	DK	GY	BX										Dark to medium grey, variably solution brecciated dolostone. Core is typically medium to dark grey, coarse grained dolostone with patchy, well bedded textures and white, coarse grained, generally irregularly oriented solution breccia structures. White crackle breccia is at times crosscut by black, graphitic structures <1 mm to 1 mm wide with various orientations throughout.
	EOH								MD	GY	BX										EOH, past targeted depth through dolostone and siltstone under faulted dolostone, intersecting strongly clay and silicification altered dolostone with realgar.

## CRAG EAST

Hole:CE-12-16

Logger Name:K. Unger

Date: Aug. 4, 2012

Depth (m)	DESCRIPTION
24.92	Gradational contact, rusty yellow structures increase in intensity until tectonic breccia/fault rubble in texture at 24.92 m.
29.85	Gradational contact, becoming cBX from tectonic breccia.
120.28	Sharp contact defined by planar beds of green siltstone below sheared, clay altered limestone/dolimestoneone at 120.28 m, oriented 70 degrees to core axis.
171.20	Sharp contact defined by knife edge contact between dark grey silts above and coarse grained dolimestoneone below at 171.20 m, 50 degrees to core axis.

## CRAG EAST

Hole: CE-12-16

Logger Name: K. Unger

Date: August 2, 2012

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
FR	19.84		40.00	n/a				Fractures in core oriented 40 degrees to core axis with clay/oxide lined rubble through brecciated dolostone, over 6.0 cm.	
BX	21.05	85.76	60.00	n/a				Preferential orientataion in some solution breccia structures, oriented 50-70 degrees to core axis, generally 60 degrees, though other random orientations are seen.	
FR	30.88	31.60	10.00	n/a				Undulate, clay lined fractures, 20-0 degrees to core axis with rusty orange-grey clay partings.	
FR	67.26		55.00	100.00	1.00	Rg		Irregular, rough fracture with platy, red-orange realgar, 55 degrees to core axis, 100 degrees to bedding/breccia.	
VT	191.22	195.27	45.00	170.00	4.00	Rg	50.00	coarse grained, white and bright red-orange realgar and calcite veinlets, 45 degrees to core axis, 170 degrees to BD.	
BX	171.20		60.00	0.00				White, coarse grained solution breccia fabric, typically 60 degrees to core axis and 0 degrees to bedding throughout, though patches of random orientations are seen where solution breccia is strongest.	
VN	284.90	286.68	65.00	n/a	1.00	Ca	100.00	Coarse grained, white calcite vein with black, graphitic lined fractures intermittent throughout, 65 degrees to core axis, 1.68 m wide.	





# CRAG EAST

Hole: CE-12-16

Date: July 31, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
9.82	11.28	1.46	1.46	100	L842480	21					3.6
11.28	13.89	2.61	2.61	100	L842481	21					8.0
13.89	15.88	1.99	1.96	98	L842482	22					6.1
		0.00		####	L842483	22				Blank	4.0
15.88	17.37	1.49	1.40	94	L842484	22					3.7
17.37	20.42	3.05	2.98	98	L842485	22					8.0
20.42	23.47	3.05	3.01	99	L842486	22					8.2
23.47	26.52	3.05	2.94	96	L842487	22					8.2
		0.00		####	L842488	22				Standard GS-1G	0.3
26.52	29.57	3.05	3.02	99	L842489	22					8.2
29.57	32.61	3.04	3.04	100	L842490	22					8.0
32.61	35.66	3.05	3.04	100	L842491	22					9.0
		0.00		####	L842492	22				Coarse Reject	-
35.66	38.71	3.05	3.05	100	L842493	22					8.0
38.71	41.76	3.05	2.95	97	L842494	22					8.8
41.76	44.81	3.05	3.05	100	L842495	22					8.6
		0.00		####	L842496	22				1/4 Duplicate	3.8
44.81	47.85	3.04	3.05	100	L842497	22					8.6
47.85	50.90	3.05	2.97	97	L842498	22					8.7
50.90	53.95	3.05	3.05	100	L842499	22					8.6
53.95	57.00	3.05	3.01	99	L842500	22					8.2
57.00	60.05	3.05	3.05	100	M400501	22					8.6
60.05	63.09	3.04	3.04	100	M400502	22					8.4
63.09	66.14	3.05	2.99	98	M400503	22					8.6
66.14	69.19	3.05	3.05	100	M400504	22					8.8
69.19	72.24	3.05	2.98	98	M400505	22					9.0
72.24	75.29	3.05	3.05	100	M400506	22					8.5
		0.00		####	M400507	22				Blank	4.4

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
75.29	78.33	3.04	3.04	100	M400508	22					8.7
		0.00		####	M400509	22				Standard GS-4D	0.3
78.33	81.38	3.05	2.82	92	M400510	22					8.0
81.38	84.43	3.05	3.05	100	M400511	22					8.2
84.43	85.76	1.33	1.28	96	M400512	22					3.6
85.76	88.25	2.49	1.79	72	M400513	22					5.4
88.25	90.53	2.28	2.21	97	M400514	22					6.0
90.53	93.57	3.04	2.93	96	M400515	22					8.2
93.57	96.62	3.05	3.05	100	M400516	22					8.4
96.62	99.67	3.05	3.05	100	M400517	22					8.6
99.67	102.72	3.05	3.05	100	M400518	23					8.4
		0.00		####	M400519	23				1/4 Duplicate	3.8
102.72	105.77	3.05	2.91	95	M400520	23					7.8
105.77	108.81	3.04	2.81	92	M400521	23					7.6
108.81	111.86	3.05	2.93	96	M400522	23					8.0
111.86	113.11	1.25	1.25	100	M400523	23					3.6
113.11	114.91	1.80	1.72	96	M400524	23					5.0
114.91	116.91	2.00	1.83	92	M400525	23					6.2
116.91	117.61	0.70	0.52	74	M400526	23					1.6
		0.00		####	M400527	23				Blank	5.0
117.61	120.28	2.67	2.47	93	M400528	23					7.6
		0.00		####	M400529	23				Standard GS-8B	0.3
120.28	121.28	1.00	0.99	99	M400530	23					2.2
121.28	124.05	2.77	2.77	100	M400531	23					7.6
124.05	127.10	3.05	2.89	95	M400532	23					7.8
127.10	130.15	3.05	2.86	94	M400533	23					8.2
130.15	133.20	3.05	3.05	100	M400534	23					8.2
133.20	136.25	3.05	3.05	100	M400535	23					9.0
136.25	139.29	3.04	3.01	99	M400536	23					8.0
139.29	142.34	3.05	3.05	100	M400537	23					8.8
142.34	145.39	3.05	3.05	100	M400538	23					8.2

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
145.39	148.44	3.05	3.05	100	M400539	23					8.2
148.44	151.59	3.15	2.82	90	M400540	23					8.0
151.49	154.53	3.04	2.79	92	M400541	23					8.0
		0.00		####	M400542	23				Coarse Reject	-
154.53	157.58	3.05	3.05	100	M400543	23					8.0
157.58	160.63	3.05	2.96	97	M400544	23					7.9
160.63	163.68	3.05	3.05	100	M400545	23					8.4
163.68	166.73	3.05	2.99	98	M400546	23					8.0
166.73	169.77	3.04	3.01	99	M400547	23					8.6
169.77	171.20	1.43	1.43	100	M400548	23					5.0
		0.00		####	M400549	23				Blank	4.0
171.20	172.82	1.62	1.62	100	M400550	23					3.5
172.82	175.87	3.05	2.72	89	M400551	23					9.2
		0.00		####	M400552	23				Standard GS-1G	0.3
175.87	178.92	3.05	3.01	99	M400553	23					8.6
178.92	181.97	3.05	3.04	100	M400554	24					8.3
181.97	185.01	3.04	3.04	100	M400555	24					8.8
185.01	188.06	3.05	2.93	96	M400556	24					7.6
188.06	191.11	3.05	2.97	97	M400557	24					8.7
191.11	194.16	3.05	3.05	100	M400558	24					8.8
		0.00		####	M400559	24				Standard GS-1G	0.3
		0.00		####	M400560	24				Standard GS-4D	0.3
194.16	197.21	3.05	2.71	89	M400561	24					8.6
197.21	200.25	3.04	3.03	100	M400562	24					8.8
200.25	203.30	3.05	3.05	100	M400563	24					8.5
203.30	206.35	3.05	2.88	94	M400564	24					8.0
		0.00		####	M400565	24				1/4 Duplicate	3.7
206.35	209.40	3.05	3.05	100	M400566	24					8.8
209.40	212.45	3.05	3.05	100	M400567	24					8.8
212.45	215.49	3.04	2.83	93	M400568	24					8.0
215.49	218.54	3.05	3.05	100	M400569	24					8.6
		0.00		####	M400570	24				Blank	4.7

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
218.54	221.59	3.05	3.05	100	M400571	24					8.8
221.59	224.64	3.05	3.00	98	M400572	24					8.4
224.64	227.69	3.05	3.05	100	M400573	24					8.6
227.69	230.73	3.04	2.98	98	M400574	24					8.2
230.73	233.78	3.05	3.04	100	M400575	24					8.4
233.78	236.83	3.05	3.02	99	M400576	24					8.8
236.83	239.88	3.05	3.00	98	M400577	24					8.6
239.88	242.93	3.05	3.05	100	M400578	24					8.8
242.93	245.97	3.04	3.04	100	M400579	24					9.0
245.97	249.02	3.05	2.92	96	M400580	24					9.0
249.02	252.07	3.05	3.05	100	M400581	24					9.0
		0.00		####	M400582	24				Blank	4.8
252.07	255.12	3.05	3.05	100	M400583	24					8.6
255.12	258.17	3.05	2.99	98	M400584	24					8.6
258.17	261.21	3.04	2.95	97	M400585	24					8.5
261.21	264.26	3.05	2.95	97	M400586	24					8.2
264.26	265.55	1.29	1.27	98	M400587	24					3.6
265.55	267.91	2.36	2.36	100	M400588	24					6.8
		0.00		####	M400589	24				Coarse Reject	-
		0.00		####	M400590	25				Standard GS-1G	0.3
267.91	270.63	2.72	2.66	98	M400591	25					7.7
270.63	273.41	2.78	2.76	99	M400592	25					7.6
273.41	276.45	3.04	3.04	100	M400593	25					8.1
276.45	279.50	3.05	3.05	100	M400594	25					8.3
279.50	282.55	3.05	2.19	72	M400595	25					6.3
282.55	284.90	2.35	2.35	100	M400596	25					7.9
284.90	286.68	1.78	1.72	97	M400597	25					4.5
286.68	288.65	1.97	1.97	100	M400598	25					5.4
		0.00		####	M400599	25				Coarse Reject	-
288.65	291.69	3.04	2.84	93	M400600	25					7.3
291.69	294.74	3.05	3.03	99	M400601	25					8.7
294.74	297.79	3.05	2.68	88	M400602	25					7.3

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
		0.00		####	M400603	25				Blank	3.0
297.79	300.84	3.05	3.05	100	M400604	25					8.3
300.84	303.89	3.05	3.03	99	M400605	25					8.2
303.89	306.93	3.04	3.04	100	M400606	25					8.3
306.93	309.98	3.05	2.94	96	M400607	25					7.8
309.98	313.03	3.05	3.05	100	M400608	25					8.7
313.03	316.08	3.05	2.89	95	M400609	25					8.0

# CRAG EAST

Hole: CE-12-16

Tech Name: Dyck

Date: 2-Aug-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
9.82	11.28	1.46	1.46	100	0.23	16	1	1	3S	2W	40	INF		1	2R	3W	
11.28	14.33	3.05	3.05	100	1.21	40	2	1	2S	3W	60	0.06	10	1	2R	3W	
14.33	17.37	3.04	2.76	91	1.26	41	2	1	1S	4W	50	0.06	60	1	2R	4W	
17.37	20.42	3.05	2.98	98	2.13	70	1	1	3S	3W	50	0.12	20	1	3R	2W	
20.42	23.47	3.05	3.01	99	2.75	90	1	1	3S	2W	60	0.17		1	3R	3W	
23.47	26.52	3.05	2.94	96	2.62	86	1	1	3S	2W	60	0.18		2	3R	2W	
26.52	29.57	3.05	3.02	99	2.94	96	1	1	4S	2W	40	0.22		1	2R	2W	
29.57	32.61	3.04	3.04	100	2.92	96	1	1	3S	3W	50	0.16	10	1	3R	4W	
32.61	35.66	3.05	3.04	100	2.89	95	1	1	4S	2W	70	0.2	90	1	3R	3W	
35.66	38.71	3.05	3.05	100	2.68	88	2	1	3S	2W	60	0.16		2	3R	3W	
38.71	41.76	3.05	2.95	97	2.88	94	1	1	3S	1W	60	0.19		2	3R	3W	
41.76	44.81	3.05	3.05	100	2.78	91	1	1	3S	1W	60	0.28		1	3R	2W	
44.81	47.85	3.04	3.05	100	2.40	79	1	1	3S	1W	50	0.18		2	3R	2W	
47.85	50.90	3.05	2.97	97	2.79	91	1	1	3S	1W	40	0.21		2	3R	2W	
50.90	53.95	3.05	3.05	100	2.91	95	1	1	3S	1W	50	0.2		2	3R	2W	
53.95	57.00	3.05	3.01	99	2.95	97	1	1	3S	1W	50	0.25		2	3R	1W	
57.00	60.05	3.05	3.05	100	2.87	94	0	1	4S	1W	40	0.07		2	3R	1W	
60.05	63.09	3.04	3.04	100	2.06	68	1	1	3S	1W	60	0.1		2	3R	1W	
63.09	66.14	3.05	2.99	98	2.83	93	0	1	4S	1W	60	0.25		2	3R	1W	REALGAR
66.14	69.19	3.05	3.05	100	2.96	97	1	1	4S	1W	50	0.22		1	3R	1W	REALGAR
69.19	72.24	3.05	2.98	98	2.74	90	1	1	3S	1W	40	0.21		1	2R	2W	
72.24	75.29	3.05	3.05	100	2.79	91	2	1	3S	2W	50	0.15		1	3R	1W	
75.29	78.33	3.04	3.04	100	2.75	90	1	1	3S	2W	50	0.17	20	2	3R	2W	
78.33	81.38	3.05	2.82	92	2.82	92	1	1	5S	1W	50	0.2		2	3R	1W	
81.38	84.43	3.05	3.05	100	2.55	84	1	1	3S	2W	40	0.13		2	3R	2W	
84.43	87.48	3.05	2.88	94	1.19	39	1	1	4S	3W	70	INF		1	3R	3W	
87.48	90.53	3.05	2.91	95	2.25	74	1	1	3S	4W	40	INF		3	3R	4W	
90.53	93.57	3.04	2.93	96	2.73	90	1	1	3S	3W	50	0.27	20	2	3R	4W	
93.57	96.62	3.05	3.05	100	2.98	98	0	1	3S	2W	60	0.22		2	3R	2W	
96.62	99.67	3.05	3.05	100	2.92	96	1	1	3S	1W	50	0.19		2	3R	1W	
99.67	102.72	3.05	3.05	100	3.05	100	2	1	4S	1W	50	0.28		2	3R	1W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)		RQD (m)		HCI Reactivity		Hardness		Strength		Weathering		Joint Sets						DESCRIPTION	
			Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering						
102.72	105.77	3.05	2.91	95	2.73	90	1	1	3S	2W	40	0.26		1	3R	3W						
105.77	108.81	3.04	2.81	92	2.23	73	0	1	3S	2W	70	0.17	10	3	3R	3W						
108.81	111.86	3.05	2.93	96	2.65	87	2	1	2S	1W	50	0.2	10	1	3R	2W						
111.86	114.91	3.05	3.03	99	2.87	94	1	1	2S	4W	70	0.18		1	3R	4W						
114.91	117.96	3.05	2.58	85	0.79	26	0	1	2S	4W	60	INF	60	1	3R	4W						
117.96	121.01	3.05	2.90	95	2.26	74	0	1	3S	3W	40	0.12	80	1	3R	4W						
121.01	124.06	3.05	3.05	100	2.09	69	0	1	3S	3W	80	0.1	40	1	2R	4W						
124.06	127.10	3.04	2.89	95	1.65	54	0	1	3S	3W	60	0.12		1	2R	3W						
127.10	130.15	3.05	2.86	94	1.50	49	0	1	3S	2W	60	0.11	20	1	1R	3W						
130.15	133.20	3.05	3.05	100	0.98	32	0	1	3S	3W	60	0.11	100	1	2R	3W						
133.20	136.25	3.05	3.05	100	1.55	51	0	1	3S	1W	70	0.15		2	2R	1W						
136.25	139.29	3.04	3.01	99	1.60	53	0	1	4S	1W	60	0.1		1	3R	2W						
139.29	142.34	3.05	3.05	100	1.47	48	0	1	4S	1W	65	0.08		1	2R	2W						
142.34	145.39	3.05	3.05	100	1.35	44	4	1	3S	2W	60	0.09		1	2R	2W						
145.39	148.44	3.05	3.05	100	0.56	18	4	1	3S	3W	70	0.06		1	2R	2W						
148.44	151.49	3.05	2.82	92	0.78	26	3	1	2S	3W	60	0.06	60	1	3R	4W						
151.49	154.53	3.04	2.79	92	1.93	63	3	1	3S	1W	70	0.12	10	1	2R	2W						
154.53	157.58	3.05	3.05	100	1.82	60	4	1	5S	2W	70	0.08	40	1	2R	2W						
157.58	160.63	3.05	2.96	97	1.18	39	4	1	4S	4W	60	0.07	40	1	2R	2W						
160.63	163.68	3.05	3.05	100	2.44	80	3	1	4S	3W	60	0.14	10	1	3R	3W						
163.68	166.73	3.05	2.99	98	1.54	50	4	1	5S	3W	50	0.11	20	2	2R	2W						
166.73	169.77	3.04	3.01	99	2.13	70	1	1	2S	4W	50	0.13	80	2	3R	4W						
169.77	172.82	3.05	3.05	100	1.86	61	1	1	5S	3W	50	0.09	40	2	2R	4W						
172.82	175.87	3.05	2.72	89	1.34	44	1	1	4S	3W	50	0.05	10	1	2R	3W						
175.87	178.92	3.05	3.01	99	1.83	60	1	1	3S	1W	60	0.1	10	1	2R	3W						
178.92	181.97	3.05	3.04	100	2.36	77	1	1	3S	1W	60	0.15	20	1	3R	3W						
181.97	185.01	3.04	3.04	100	2.35	77	1	1	4S	1W	60	0.14	20	1	2R	2W						
185.01	188.06	3.05	2.93	96	1.65	54	1	1	5S	1W	70	0.1		1	3R	2W						
188.06	191.11	3.05	2.97	97	2.03	67	1	1	3S	3W	60	0.1	60	1	3R	3W						
191.11	194.16	3.05	3.05	100	2.44	80	1	1	3S	1W	65	0.13		2	3R	2W						
194.16	197.21	3.05	2.71	89	1.48	49	1	1	3S	1W	60	0.074		1	3R	1W						
197.21	200.25	3.04	3.03	100	2.76	91	2	1	4S	1W	40	0.2		2	2R	2W						
200.25	203.30	3.05	3.05	100	2.35	77	2	1	3S	1W	50	0.14		1	2R	1W						
203.30	206.35	3.05	2.88	94	1.68	55	1	1	4S	1W	60	0.13		1	3R	1W						

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
206.35	209.40	3.05	3.05	100	2.75	90	2	1	4S	2W	60	0.17		1	3R	1W	
209.40	212.45	3.05	3.05	100	2.72	89	2	1	5S	1W	70	0.19		1	2R	2W	
212.45	215.49	3.04	2.83	93	2.32	76	2	1	5S	1W	40	0.15		1	3R	1W	
215.49	218.54	3.05	3.05	100	2.81	92	2	1	5S	1W	55	0.17		1	3R	1W	
218.54	221.59	3.05	3.05	100	2.46	81	1	1	3S	1W	50	0.18		1	3R	1W	
221.59	224.64	3.05	3.00	98	2.66	87	1	1	4S	1W	70	0.15		1	3R	1W	
224.64	227.69	3.05	3.05	100	2.62	86	1	1	3S	1W	70	0.25		1	2R	1W	
227.69	230.73	3.04	2.98	98	2.80	92	2	1	3S	1W	50	0.23		1	3R	1W	
230.73	233.78	3.05	3.04	100	2.16	71	1	1	3S	1W	60	0.14		1	3R	1W	
233.78	236.83	3.05	3.02	99	2.27	74	1	1	4S	1W	60	0.15		2	3R	1W	
236.83	239.88	3.05	3.00	98	2.16	71	0	1	4S	1W	50	0.14		2	3R	1W	
239.88	242.93	3.05	3.05	100	2.50	82	0	1	5S	1W	80	0.13		2	3R	1W	
242.93	245.97	3.04	3.04	100	2.43	80	0	1	3S	1W	70	0.12		2	3R	2W	
245.97	249.02	3.05	2.92	96	2.48	81	1	1	4S	1W	80	0.13		2	3R	1W	
249.02	252.07	3.05	3.05	100	2.40	79	1	1	4S	1W	80	0.11	20	2	2R	3W	
252.07	255.12	3.05	3.05	100	2.49	82	1	1	4S	2W	45	0.16		1	2R	2W	
255.12	258.17	3.05	2.99	98	2.66	87	1	1	3S	1W	65	0.12		2	3R	2W	
258.17	261.21	3.04	2.95	97	2.53	83	1	1	4S	1W	30	0.15		2	3R	2W	
261.21	264.26	3.05	2.95	97	2.52	83	1	1	3S	1W	45	0.18		2	3R	1W	
264.26	267.31	3.05	3.05	100	2.46	81	2	1	4S	1W	60	0.14		1	2R	2W	
267.31	270.36	3.05	3.05	100	2.37	78	4	1	4S	2W	75	0.12	40	1	1R	3W	
270.36	273.41	3.05	2.93	96	2.42	79	3	1	4S	1W	55	0.15		2	3R	2W	
273.41	276.45	3.04	3.04	100	2.08	68	3	1	3S	1W	45	0.12		2	3R	1W	
276.45	279.50	3.05	3.05	100	2.56	84	2	1	3S	1W	60	0.13		3	3R	1W	
279.50	282.55	3.05	2.19	72	1.48	49	3	1	4S	4W	60	INF	10	2	3R	4W	
282.55	285.60	3.05	3.05	100	2.80	92	4	1	4S	1W	50	0.19		1	3R	2W	
285.60	288.65	3.05	3.02	99	2.85	93	4	1	4S	1W	50	0.17	10	2	3R	2W	
288.65	291.69	3.04	2.84	93	2.33	77	4	1	4S	2W	40	0.12		3	3R	3W	
291.69	294.74	3.05	3.03	99	2.87	94	3	1	4S	1W	45	0.17	20	3	3R	3W	
294.74	297.79	3.05	2.68	88	1.96	64	3	1	4S	2W	40	INF	20	2	3R	3W	
297.79	300.84	3.05	3.05	100	2.59	85	3	1	3S	2W	70	0.12		2	3R	2W	
300.84	303.89	3.05	3.03	99	2.69	88	3	1	3S	1W	50	0.15		2	3R	1W	
303.89	306.93	3.04	3.04	100	2.92	96	4	1	4S	1W	40	0.28	20	2	3R	1W	
306.93	309.98	3.05	2.94	96	2.84	93	3	1	4S	1W	40	0.37		1	3R	1W	
309.98	313.03	3.05	3.05	100	3.02	99	3	1	4S	1W	60	0.19	10	1	3R	3W	



## CRAG EAST

From (m) To (m) Interval (m)			Recovery (m) Recovery (%)		RQD (m) RQD (%)		HCI Reactivity Hardness		Strength Weathering		Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
313.03	316.08	3.05	2.89	95	2.73	90	2	1	4S	1W	50	0.21		1	3R	1W	

# CRAG EAST

Hole: CE-12-09

Date: August 2, 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
10	n/a		Massive BX DST
12	n/a		Massive BX DST
14	BD	52	
16	n/a		CG DST, BX
18	n/a		CG DST, BX
20	n/a		CG DST, BX
22	n/a		CG DST, BX
24	n/a		CG DST, BX
26	n/a		CG DST, BX
28	n/a		CG DST, BX
30	n/a		CG DST, BX
32	n/a		CG DST, BX
34	n/a		CG DST, BX
36	n/a		CG DST, BX
38	n/a		CG DST, BX
40	n/a		CG DST, BX
42	n/a		CG DST, BX
44	n/a		CG DST, BX
46	n/a		CG DST, BX
48	n/a		CG DST, BX
50	n/a		CG DST, BX
52	n/a		CG DST, BX
54	n/a		CG DST, BX
56	n/a		CG DST, BX
58	n/a		CG DST, BX
60	n/a		CG DST, BX
62	n/a		CG DST, BX

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
64	n/a		CG DST, BX
66	BD	60	
68	BD	58	
70	n/a		BX obliterates primary structures
72	n/a		BX obliterates primary structures
74	n/a		BX obliterates primary structures
76	BD	57	
78	n/a		
80	n/a		
82	n/a		
84	n/a		
86	n/a		FLT
88	n/a		FLT
90	n/a		
92	n/a		
94	n/a		
96	n/a		
98	n/a		
100	n/a		
102	n/a		
104	n/a		
106	n/a		
108	n/a		
110	n/a		
112	n/a		
114	n/a		
116	n/a		
118	n/a		
120	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
122	n/a		
124	BD	65	
126	BD	68	
128	BD	65	
130	BD	65	
132	BD	68	
134	BD	65	
136	BD	70	
138	BD	65	
140	BD	65	
142	BD	65	
144	BD	65	
146	BD	65	
148	BD	70	
150	BD	60	
152	BD	65	
154	BD	65	
156	BD	65	
158	BD	62	
160	BD	58	
162	BD	65	
164	BD	62	
166	BD	60	
168	BD	68	
170	BD	72	
172	BD	50	
174	BD	50	
176	BD	60	
178	BD	65	
180	BD	62	obscured by BX

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
182	BD	80	
184	BD	58	
186	BD	60	relict bedding?
188	BD	55	relict bedding?
190	n/a		
192	n/a		
194	BD	60	BX parallel with bedding
196	n/a		
198	n/a		
200	n/a		
202	n/a		
204	BD	48	BX parallel with bedding
206	n/a		
208	BD	60	
210	n/a		
212	n/a		
214	n/a		
216	n/a		
218	n/a		
220	n/a		
222	n/a		
224	n/a		
226	n/a		
228	n/a		
230	n/a		
232	n/a		
234	n/a		
236	BD	75	
238	BD	50	
240	BD	68	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
242	n/a		
244	n/a		
246	n/a		
248	n/a		
250	BD	72	relict bedding
252	n/a		
254	BD	75	BX parallel with bedding
256	BD	85	BX parallel with bedding
258	n/a		
260	BD	55	BX parallel with bedding
262	n/a		
264	n/a		
266	n/a		
268	BD	68	
270	BD	80	
272	n/a		
274	n/a		
276	n/a		
278	BD	80	
280	n/a		
282	n/a		
284	n/a		
286	n/a		
288	n/a		
290	n/a		
292	n/a		
294	n/a		
296	n/a		
298	n/a		
300	n/a		

# CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
302	n/a		
304	n/a		
306	n/a		
308	n/a		
310	n/a		
312	n/a		
314	n/a		
316	n/a		





# CRAG EAST

Hole: CE-12-16

Date: 4-Aug-12

Box #	From (m)	To (m)
1	9.82	13.89
2	13.89	18.98
3	18.98	24.45
4	24.45	29.95
5	29.95	35.17
6	35.17	41.65
7	41.65	46.18
8	46.18	51.79
9	51.79	57.33
10	57.33	62.57
11	62.57	68.24
12	68.24	73.78
13	73.78	79.09
14	79.09	84.54
15	84.54	88.56
16	88.56	94.02
17	94.02	99.44
18	99.44	105.09
19	105.09	110.54
20	110.54	115.96
21	115.96	121.01
22	121.01	126.35
23	126.35	131.69
24	131.69	137.33
25	137.33	142.61
26	142.61	147.96
27	147.96	153.20
28	153.20	158.61
29	158.61	164.14

## CRAG EAST

30	164.14	169.69
31	169.69	174.52
32	174.52	179.78
33	179.78	185.35
34	185.35	190.87
35	190.87	196.01
36	196.01	201.49
37	201.49	206.42
38	206.42	211.88
39	211.88	217.09
40	217.09	222.37
41	222.37	227.82
42	227.82	233.51
43	233.51	238.69
44	238.69	243.86
45	243.86	249.43
46	249.43	254.50
47	254.50	259.92
48	259.92	265.74
49	265.74	271.30
50	271.30	276.65
51	276.65	282.19
52	282.19	287.37
53	287.37	292.69
54	292.69	297.97
55	297.97	303.11
56	303.11	308.54
57	308.54	313.06
58	313.06	316.08
EOH		

## CRAG EAST

### CE-12-16

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
27	8.23	276.3	301.3	-44.5	14107	31.4	1	39	96.9	347	-80.12	3/8/2012 23:06
77	23.47	335.1	360.1	-43.9	57841	77.7	0.99	38.7	33.9	222.8	-2.36	3/8/2012 23:03
127	38.71	333.8	358.8	-44.7	57581	78.4	1	38.7	33.5	222.4	-0.53	3/8/2012 23:00
177	53.95	333.9	358.9	-44.9	57575	78.4	1	38.7	35.2	224	-1.46	3/8/2012 22:57
227	69.19	333.4	358.4	-45.6	57570	78.8	1.007	38.8	36.2	224.9	-1.13	3/8/2012 22:55
277	84.43	334.2	359.2	-45.4	57560	78.5	1.001	38.8	36.5	225.3	-0.59	3/8/2012 22:54
327	99.67	334.5	359.5	-45.6	57556	78.5	1	38.8	37.1	225.9	-0.35	3/8/2012 22:52
377	114.91	334.7	359.7	-45.7	57574	78.5	1	38.8	36.9	225.7	-0.1	3/8/2012 22:50
427	130.15	334.7	359.7	-45.8	57566	78.5	0.999	38.8	47	235.7	-0.71	3/8/2012 22:47
477	145.39	335.1	0.1	-46	57578	78.5	0.999	39	50	238.6	-0.44	3/8/2012 22:44
527	160.63	335.4	0.4	-46	57584	78.5	0.999	39	50.7	239.2	-0.68	3/8/2012 22:43
577	175.87	335.8	0.8	-45.9	57588	78.5	1	39	47.3	235.8	-0.84	3/8/2012 22:41
627	191.11	336.3	1.3	-46.2	57584	78.5	1	39	43.4	231.8	-0.72	3/8/2012 22:39
677	206.35	336.8	1.8	-46.1	57572	78.5	1	39	33.9	222.1	-0.4	3/8/2012 22:37
727	221.59	336.9	1.9	-46.3	57568	78.5	1	39.2	31.9	220.1	-0.8	3/8/2012 22:36
777	236.83	337.3	2.3	-46.6	57571	78.5	1	39.2	29.8	218	-0.66	3/8/2012 22:33
827	252.07	337.6	2.6	-46.9	57570	78.4	1	39.4	26.8	215	-0.73	3/8/2012 22:29
877	267.31	337.9	2.9	-47.1	57577	78.5	1	39.7	24.6	212.7	-0.68	3/8/2012 22:18
927	282.55	338.3	3.3	-47.3	57576	78.5	1	39.6	23	210.9	-0.52	3/8/2012 22:07
977	297.79	338.6	3.6	-47.4	57556	78.5	1	39.4	20.9	208.8	-0.3	3/8/2012 22:05
1027	313.03	338.8	3.8	-47.4	57562	78.5	1	39.4	13.5	201.3	0	3/8/2012 22:01

# CRAG EAST

**ZONE:** Merlot

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		615543.287	7108269.925	1267.455	185.93

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-17

**CLAIM:** Crag 502/ Crag east 3

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0	20	-45	Compass				

Contractor: Platinum

Drill: A5

Core size: NQ Reduced at: \_\_\_\_\_ (m)

Casing depth: 3.05 (m) in / **out**

Drilling dates: \_\_\_\_\_ Aug. 4-6, 2012

**TARGET:** \_\_\_\_\_

Geology logged by: H. Friday

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	3.05	3.05	OVB	Overburden/casing, no recovery
3.05	101.52	98.47	DST	Bedded to solution collapse breccia dolostone with silty beds throughout. Sections of rubble (faults?)
101.52	115.32	13.80	SLT	Interbedded siltstone and quartz grit.
115.32	174.77	59.45	SLT	Interbedded maroon, green/turquoise and tan siltstone.
174.77	175.68	0.91	SLT	Interbedded siltstone and quartz sand.
175.68	185.93	10.25	QGT	Quartz sand/grit.

SAMPLES	
Numbers:	<u>M400610 to M400707</u>
Total:	<u>98</u>
Batch:	<u>25, 26, 27 and 29</u>
Date Sent:	_____
Certificate:	<u>WH12191996, WH12191997, WH12193301, WH12193303</u>

COMMENTS
Drilled to target north trending structures. Possible faults and rubble intersected at depth. No visible mineralization or favorable alteration seen.

## CRAG EAST

Hole: CE-12-17

Logger Name: H. Friday

Date: Aug. 5, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Type			Conc. (%)
														Type	Intensity					
0.00	3.05	3.05					OVB													Overburden/casing, no recovery.
3.05	101.52	98.47					DST													Bedded to solution collapse breccia dolostone with silty beds throughout.
			3.05	12.64	9.59		DST	FG	MD LT	GY TN	BX		2							Medium to light grey to tan solution collapse brecciated dolostone with occasional silty beds throughout. Oxidation seen on all fracture surfaces and occasionally rimming dolomite veinlets throughout. Occasional calcite veinlets/veins throughout. Dolomite floods also throughout - white-grey to light tan in colour and occasionally sparry. Interval highly fractured to rubble.
			12.64	17.37	4.73		DST	FG	MD	GY TN	BX BD		1							Medium grey to tan solution collapse brecciated to bedded silty dolostone. Dolomite veinlets throughout - generally sparry and occasionally have a dark silt vugg infill. Beds typically 0.3-1 cm thick and defined by changes in colour. Small dark grey to black sooty silty patches throughout 5-10 cm thick and often surrounded by dolomite veinlets. Weak oxidation seen on select fracture surfaces and surrounding dolomite veinlets -- occasionally rimming the spars on the inside of the veinlets.
			17.37	20.42	3.05		DST	FG	MD LT	GY TN	BD		1							Medium to light grey to tan bedded silty dolostone. Beds typically <5 mm thick and defined by dark grey thin layers. Dolomite stringers and veinlets throughout. Veinlets typically vuggy with a dark grey infill and often following bedding. Oxidation seen on select fracture surfaces and beds throughout. Also seen rimming dolomite veinlets.
			20.42	21.40	0.98		DST	FG	MD	GY	BX		1							Medium grey solution collapse breccia silty dolostone. Dolomite floods and veinlets throughout - peach to white to light grey in colour. veinlets typically vuggy and infilled with a dark grey silt or quartz. Weak oxidation seen on fracture surfaces and surrounding veinlets. Moderately oxidized and rubbly (10 cm) contact into lower bedded dolostone.
			21.40	23.95	2.55		DST	FG	LT MD	TN GY	BD		2							Light to medium tan to grey bedded silty dolostone. Beds 2-10 mm thick typically and range in colour from tan to grey to occasionally pinkish-tan. Tan to white dolomite stringers occasionally as well as the occasional dark grey stringer. Oxidation moderate throughout.
			23.95	52.60	28.65		DST	FG	MD	GY	BX		1							Medium grey solution collapse brecciated dolostone with bedded and mottled segments throughout. Dolomite stringers, veinlets and floods throughout generally white to light grey with the occasional tan dolomite filling in spars. Segments of vuggy core throughout - vugs typically 2-5 mm. Mottled segments medium grey dolostone with small 1-3mm subrounded dolomite blebs throughout. Weak oxidation seen on select fracture surfaces and surrounding select stringers throughout.

## CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other					
														Type	Intensity		Type			Conc. (%)		
			52.60	54.35	1.75		DST	FG	MD	GY	BX											Medium grey to brown solution collapse breccia dolostone. Entire interval moderately oxidized and rubble to grit. Oxidation seen on fracture surfaces throughout. Sparry dolomite veinlets through more competent segments - light grey to peach in colour (fault?).
											BN	RB										
			54.35	70.88	16.53		DST	FG	MD	GY	BX											Medium grey solution collapse breccia dolostone with silty bands throughout. Dolomite floods and veinlets throughout - typically sparry and light peach to light grey in colour. veinlets occasionally vuggy and occasionally infilled with dark, grey siltstone. A few calcite stringers throughout. Oxidation seen on select fracture surfaces and surrounding veinlets and stringers.
			70.88	78.84	7.96		DST	FG	MD	GY	BX											Medium to light grey crackle brecciated to mottled dolostone. Crackle breccia generated from calcite and dolomite stringers throughout. Mottled texture medium grey dolostone with small 1-3 mm subrounded dolomite blebs throughout. Occasionally vuggy. Weak oxidation seen on fracture surfaces and surrounding stringers throughout. Large calcite vein at lower contact.
											LT	MO										
			78.84	81.02	2.18		DST	FG	MD	GY	BX				1	BLE	1					Medium to light grey solution collapse breccia dolostone. Light grey to tan dolomite floods and veinlets throughout, as well as calcite veinlets, blebs and stringers. Dolomite veinlets sparry and occasionally vuggy. Oxidation seen throughout, typically altering calcite stringers. Calcite and dolomite both matrix in the solution collapse breccia. Oxidation also seen on fracture surfaces. Mildly bleached.
											LT											
			81.02	84.43	3.41		DST	FG	LT	GY	RB											Light grey to tan moderately oxidized dolostone. Entire interval rubble to highly fractured (fault?). Calcite stringers seen throughout competent segments. Oxidation seen on all fracture surfaces with occasional light brown gouge, and seen altering calcite stringers. Mildly bleached.
											TN	FX										
			84.43	86.37	1.94		DST	FG	LT	GY	MO											Light to medium tan-brown heavily oxidized gouge. Small 2-5mm angular rubble clasts throughout (Fault?).
											TN	BX										
			86.37	86.92	0.55		DST	FG	LT	TN	GO											Light to medium tan-brown heavily oxidized gouge. Small 2-5mm angular rubble clasts throughout. Sharp contacts into surrounding dolostone. (fault?)
											MD	BN	RB									
			86.92	92.88	5.96		DST	FG	LT	GY	RB											Light grey to tan dolostone with the entire interval rubble. Dolostone moderately bleached and moderately oxidized throughout. A few small calcite stringers seen in more competent segments (fault?).

## CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other				
														Type	Intensity		Type			Conc. (%)	
											TN										
			92.88	95.87	2.99		DST	FG	LT	GY	MO	2		BLE	2						Light grey to tan mottled to crackle brecciated dolostone. Mottled texture generated from selective oxidization of grains throughout into a light tan/brown colour amongst the grey dolostone. Also, grey specks are seen throughout. Oxidation seen throughout and on fracture surfaces, calcite and dark grey stringers throughout generating the crackle breccia texture. Occasionally vuggy.
											TN										
			95.87	97.68	1.81		DST	FG	LT	TN	BD	4		BLE	1						Light tan to grey strongly oxidized bedded dolostone. Entire interval heavily fractured to rubble. Gouge seen on fracture surfaces. Small calcite stringers and veinlets throughout more competent segments.
											GY										
											RB										
											GO										
			97.68	100.63	2.95		DST	FG	LT	GY	BD	2		BLE	2						Light grey to tan bedded to mildly brecciated dolostone. Moderate oxidation pervasive throughout. Interval moderately bleached. Calcite stringers and veinlets throughout. Silty beds also present. Calcite stringers and darker-grey stringers generating mid crackle breccia. veinlets occasionally vuggy. Sharp contact into lower rubble zone.
											TN										
											BX										
			100.63	101.52	0.89		DST	FG	MD	BN	RB	4		BLE	1						Mid brown to tan strongly oxidized and weakly bleached dolostone. Interval small angular rubble to grit to gouge. Calcite veinlets throughout - some small rubble clasts of calcite throughout interval. (fault?)
											TN										
											GO										
101.52	115.32	13.80					SLT														Interbedded siltstone and quartz grit.
			101.52	111.48	9.96		SLT	FG	MD	GY	BD	2									Medium to dark grey to brown interbedded siltstone and quartz grit. Beds 2-20 mm thick typically. Interval 70% siltstone, 30% quartz grit. Quartz grit has grains 1-3 mm typically in a dark grey siliceous matrix. Oxidation seen on fracture surfaces and along select beds/bedding planes. Occasional quartz and dolomite stringers throughout.
											DK										
											BN										
			111.48	115.32	3.84		SLT	FG	MD	GY	BD	1									Interbedded maroon, green/turquoise and tan siltstone.
115.32	174.77	59.45					SLT	FG	DK	GY	BD										Medium to dark grey to tan interbedded siltstone and quartz grit. Limey beds throughout 1-2 cm thick. Siltstone beds typically 2-20 mm thick. Quartz grit beds small (2 cm thick) and infrequent. Weak oxidation seen along fracture surfaces and select beds. Calcite stringers and blebs throughout.
											DK										
											TN										
			115.32	116.68	1.36		SLT	vFG	LT	OL	BD	2									Light olive-grey to tan bedded siltstone with 1-20 mm thick tan-grey limey beds. Limey beds oxidized with a halo 2 mm around each. Dark grey perpendicular stringers seen throughout the thicker limey beds.

## CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite				Other		
														Type	Intensity					Type	Conc. (%)	
											GY											
			116.68	130.70	14.02		SLT	vFG	MD DK	MR GN	BD	1										Medium to dark maroon siltstone with light green/turquoise beds/alteration envelopes throughout.
			130.70	132.35	1.65		SLT	vFG	LT MD	TN GY	BD RB	3										Light to medium tan to grey bedded siltstone. Moderately oxidized and minor rubble throughout. Tan-brown oxidation stringers throughout. Occasional dolomite stringers throughout. Oxidation more pervasive enveloping fracture surfaces.
			132.35	136.57	4.22		SLT	vFG	MD DK	MR GN	BD	1										Medium to dark maroon siltstone with light green/turquoise beds throughout. Green beds typically 2-20 mm thick and often enveloping a layer of oxidized grit. Small dolomite stringers infrequently throughout.
			136.57	142.29	5.72		SLT	vFG	MD	BN TN	BD NE	3										Medium brown-tan bedded to netted siltstone. Netted texture generated from dark grey/black stringers throughout. Beds/clasts of dark grey quartz grit seen typically 1-2 cm thick. Moderate to strong oxidation throughout with 10-20 cm patches of angular rubble with gouge/grit seen on fracture surfaces. A few small dolomite veinlets seen throughout.
			142.29	144.71	2.42		SLT	vFG	MD	MR TN	BD	2										Medium maroon to tan bedded siltstone. Moderately oxidized - enveloping fracture surfaces and veinlets. Small mid-brown oxidized stringers throughout.
			144.71	145.78	1.07		SLT	vFG	MD	BN TN	BD RB	3										Medium brown to tan bedded siltstone. Interval moderate rubble. A few dark brown/grey stringers throughout. Moderate pervasive oxidation.
			145.78	146.72	0.94		SLT	vFG	LT	TN BN GY	BD GO RB SH	3										Light tan to brown-grey bedded siltstone. Interval patchy rubble with gouge on all fracture surfaces. Dolomite stringers throughout. Shear zone very dark grey-black sooty silt layer at 146.60-146.68 m and very rubbly (fault?).
			146.72	174.77	28.05		SLT	vFG	LT MD	MR GN	BD	1										Light to medium maroon and green/turquoise bedded siltstone. Dolomite stringers seen throughout and dark grey stringers seen in the light green beds. Weak oxidization seen on select fracture surfaces.
174.77	175.68	0.91					SLT															Interbedded siltstone and quartz sand.



### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite				Other		
														Type	Intensity					Type	Conc. (%)	
			174.77	175.68	0.91		SLT	FG	LT	GY	BD				CLY	2						
175.68	185.93	10.25					QGT		MD	GN												Quartz sand/grit.
			175.68	185.93	10.25		QGT	FG	LT	GY	BD				CLY	2						Light to medium grey quartz sand/quartz grit unit. Dark grey silty beds throughout typically 1-2 cm thick. Moderate clay alteration seen on most fracture surfaces. Quartz and dolomite stringers throughout. Rubble patches up to 15 cm throughout.
	EOH								MD													EOH, through prospective carbonate horizon and targeted north trending structures. No visible mineralization intersected.



## CRAG EAST

Hole: CE-12-17

Logger Name: H. Friday

Date: Aug. 5, 2012

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
VN	11.39	11.59	30.00	-	1.00	Ca		Thick, white calcite vein. Lower contact at 30 degrees to core axis. Upper contact rubble.	
GO/RBL	17.30	17.37	50.00	-	1.00			Dark grey very fine grained grit to gouge - sharp contact into surrounding dolostone.	
RBL	52.60	54.35	-	-	1.00			Rubble to grit. See log.	
VN	71.99	72.38	25.00	-	1.00	Ca		Thick, white calcite vein.	
VN/BX	72.38	72.67	25.00		1.00	Ca		Calcite breccia vein. Brecciated dolostone clasts throughout - angular to subangular.	
VN	74.17	74.22	40.00		1.00	Ca		5cm thick planar white calcite vein with angular dolostone clasts throughout.	
VN	78.46	78.86	25.00		1.00	Ca		Thick white calcite vein generating dolostone breccia - angular dolostone clasts throughout.	
RBL	81.02	84.43			1.00			Rubble zone. See log.	
GO	86.37	86.92			1.00			Gouge to grit zone. Fault. See log.	
RBL	86.92	92.88			1.00			Rubble zone. See log.	
RBL	95.87	97.68			1.00			Rubble zone. See log.	
RBL/GO	100.63	101.52			1.00			Rubble to grit to gouge zone. See log.	
VN	134.48	134.58	50.00	0.00	1.00	Qz		Light peach to mid-grey quartz-dolomite vein. Oxide stringers throughout.	
RBL/GO	145.78	146.72			1.00			Rubble to grit to gouge. See log.	
VT	146.72	148.56	25 to 45	190.00	11.00	Qz		2-5mm thick oxidized quartz veinlet. Oxidation seen around rims. Quartz milky light grey.	
VT	150.59	154.39	50.00		3.00	Qz		5-7mm thick milky white-grey quartz-dolomite veinlet. Oxidation around edges.	
VN	163.75	164.60			5.00	Qz		5-10mm thick quartz-dolomite veins/floods. Random edges into siltstone. Quartz is a light-milky grey and dolomite is a milky white to peach colour.	
VN	166.01	171.14	70.00	0.00	10.00	Qz		0.5-1.5cm thick quartz-dolomite veins. Often undulatory with sharp contacts.	
VT	174.99	175.19			4.00	Qz		Very undulatory quartz-dolomite veinlets. No preferred orientation with rough contacts into siltstone.	



# CRAG EAST

Hole: CE-12-17

Date: Aug. 5, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
3.05	5.18	2.13	2.13	100	M400610	25					7.4
5.18	8.23	3.05	2.96	97	M400611	25					8.1
8.23	11.28	3.05	2.32	76	M400612	25					7.6
-	-	-	-	-	M400613	25				Blank	3.3
11.28	12.64	1.36	1.18	87	M400614	25					3.0
12.64	14.33	1.69	1.69	100	M400615	25					4.8
14.33	17.37	3.04	2.76	91	M400616	25					7.6
-	-	-	-	-	M400617	25				Standard ME-7	0.3
17.37	20.42	3.05	3.04	100	M400618	25					8.6
20.42	21.40	0.98	0.94	96	M400619	25					2.6
20.42	21.40	0.98	0.94	96	M400620	25				1/4 Duplicate	1.1
21.40	23.95	2.55	2.51	98	M400621	25					7.1
23.95	26.52	2.57	2.52	98	M400622	25					6.4
26.52	29.57	3.05	3.05	100	M400623	25					7.8
29.57	32.61	3.04	2.78	91	M400624	25					8.2
32.61	35.66	3.05	2.60	85	M400625	25					7.9
35.66	38.71	3.05	2.99	98	M400626	26					7.6
38.71	41.76	3.05	3.00	98	M400627	26					7.8
41.76	44.81	3.05	3.01	99	M400628	26					7.4
44.81	47.85	3.04	2.92	96	M400629	26					8.1
47.85	50.90	3.05	2.94	96	M400630	26					7.7
50.90	52.60	1.70	1.65	97	M400631	26					4.1
52.60	54.35	1.75	1.61	92	M400632	26					4.7
-	-	-	-	-	M400633	26				Blank	5.3
54.35	57.00	2.65	2.60	98	M400634	26					6.4
57.00	60.05	3.05	2.91	95	M400635	26					7.4
60.05	63.09	3.04	2.91	96	M400636	26					7.8
63.09	66.14	3.05	2.82	92	M400637	26					7.4

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
66.14	69.19	3.05	2.95	97	M400638	26					7.4
69.19	70.88	1.69	1.58	93	M400639	26					4.0
70.88	72.24	1.36	1.31	96	M400640	26					3.2
72.24	75.29	3.05	2.97	97	M400641	26					7.4
75.29	77.04	1.75	1.75	100	M400642	26					4.3
77.04	78.84	1.80	1.76	98	M400643	26					4.2
-	-	-	-	-	M400644	26				Standard ME-7	0.3
78.84	81.02	2.18	2.18	100	M400645	26					5.4
-	-	-	-	-	M400646	26				Coarse Reject Duplicate	-
81.02	83.00	1.98	1.98	100	M400647	26					5.3
83.00	84.43	1.43	1.02	71	M400648	26					2.1
84.43	86.37	1.94	1.94	100	M400649	26					4.3
84.43	86.37	1.94	1.94	100	M400650	26				1/4 Duplicate	2.3
86.37	86.92	0.55	0.55	100	M400651	26					1.7
-	-	-	-	-	M400652	26				Blank	4.1
86.92	87.48	0.56	0.53	95	M400653	26					1.3
87.48	90.53	3.05	2.40	79	M400654	26					6.4
90.53	92.88	2.35	2.18	93	M400655	26					5.6
92.88	93.57	0.69	0.65	94	M400656	26					1.6
93.57	95.87	2.30	2.27	99	M400657	26					6.2
-	-	-	-	-	M400658	26				Standard ME-8	0.3
95.87	97.58	1.71	1.71	100	M400659	26					3.8
97.58	99.15	1.57	1.44	92	M400660	26					3.7
99.15	100.63	1.48	1.48	100	M400661	26					4.0
100.63	101.52	0.89	0.89	100	M400662	27					1.9
-	-	-	-	-	M400663	27				Blank	4.6
101.52	102.72	1.20	1.14	95	M400664	27					3.0
102.72	105.77	3.05	2.91	95	M400665	27					7.3
105.77	108.81	3.04	3.04	100	M400666	27					7.2
108.81	111.48	2.67	2.61	98	M400667	27					6.5
111.48	113.13	1.65	1.65	100	M400668	27					4.4

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
113.13	115.32	2.19	1.79	82	M400669	27					4.5
115.32	116.68	1.36	1.36	100	M400670	27					3.6
116.68	117.96	1.28	1.28	100	M400671	27					3.7
117.96	121.01	3.05	2.87	94	M400672	27					7.7
121.01	124.05	3.04	2.71	89	M400673	27					7.8
124.05	127.10	3.05	2.86	94	M400674	27					7.8
127.10	128.82	1.72	1.72	100	M400675	27					4.8
-	-	-	-	-	M400676	27				Standard ME-7	0.3
128.82	130.70	1.88	1.86	99	M400677	27					4.9
130.70	132.35	1.65	1.65	100	M400678	27					4.5
132.35	133.20	0.85	0.74	87	M400679	27					2.1
133.20	135.01	1.81	1.81	100	M400680	27					4.8
-	-	-	-	-	M400681	27				Coarse Reject Duplicate	-
135.01	136.57	1.56	1.56	100	M400682	27					4.4
135.01	136.57	1.56	1.56	100	M400683	27				1/4 Duplicate	2.0
136.57	139.29	2.72	2.71	100	M400684	27					7.0
139.29	142.29	3.00	3.01	100	M400685	27					7.3
142.29	144.71	2.42	2.42	100	M400686	27					6.2
-	-	-	-	-	M400687	27				Standard ME-8	0.3
144.71	145.78	1.07	1.05	98	M400688	27					2.0
145.78	146.72	0.94	0.94	100	M400689	27					2.6
-	-	-	-	-	M400690	27				Blank	4.8
146.72	148.44	1.72	1.45	84	M400691	27					3.6
148.44	151.49	3.05	3.05	100	M400692	27					7.6
151.49	154.53	3.04	2.90	95	M400693	27					7.8
154.53	157.58	3.05	3.03	99	M400694	27					8.4
157.58	160.63	3.05	3.05	100	M400695	27					7.8
160.63	163.68	3.05	2.92	96	M400696	27					7.6
163.68	166.73	3.05	3.05	100	M400697	27					7.6
166.73	169.77	3.04	2.84	93	M400698	29					7.4
169.77	172.82	3.05	3.04	100	M400699	29					8.0
172.82	174.77	1.95	1.95	100	M400700	29					4.6

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
-	-	-	-	-	M400701	29				Standard ME-8	0.3
174.77	175.68	0.91	0.91	100	M400702	29					1.6
175.68	176.74	1.06	1.06	100	M400703	29					2.4
176.74	178.92	2.18	2.18	100	M400704	29					4.6
178.92	181.97	3.05	3.04	100	M400705	29					7.0
181.97	185.01	3.04	3.04	100	M400706	29					7.1
185.01	185.93	0.92	0.92	100	M400707	29					2.3



# CRAG EAST

Hole: CE-12-17

Tech Name: Mark Alban

											Joint Sets					
From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering
3.05	5.18	2.13	2.13	100	1.23	58	1	1	3S	2W	60	0.07		3	3R	3W
5.18	8.23	3.05	2.96	97	1.33	44	1	1	3S	2W	35	0.1		3	3R	3W
8.23	11.28	3.05	2.32	76	0.93	30	1	1	3S	2W	60	0.05		3	3R	3W
11.28	14.33	3.05	2.81	92	1.00	33	1	1	3S	2W	45	0.08		3	3R	3W
14.33	17.37	3.04	2.73	90	1.32	43	1	1	3S	2W	45	0.1		3	3R	2W
17.37	20.42	3.05	3.04	100	2.42	79	1	1	2S	1W	50	0.12		2	2R	2W
20.42	23.47	3.05	2.85	93	1.58	52	1	1	3S	3W	45	0.08	190	2	2R	3W
23.47	26.52	3.05	3.00	98	2.87	94	1	1	3S	2W	60	0.12	5	2	2R	3W
26.52	29.57	3.05	3.05	100	2.47	81	1	1	4S	1W	45	0.2		2	2R	2W
29.57	32.61	3.04	2.78	91	2.31	76	1	1	3S	1W	50	0.13		3	3R	2W
32.61	35.66	3.05	2.60	85	2.54	83	1	1	3S	1W	50	0.12		3	3R	2W
35.66	38.71	3.05	2.99	98	2.44	80	1	1	3S	1W	60	0.13		3	3R	2W
38.71	41.76	3.05	3.00	98	1.93	63	1	1	3S	1W	50	0.11		3	3R	2W
41.76	44.81	3.05	3.01	99	1.53	50	1	1	3S	2W	45	0.1		3	3R	2W
44.81	47.85	3.04	2.92	96	1.96	64	1	1	3S	1W	40	0.09		3	3R	2W
47.85	50.90	3.05	2.94	96	2.15	70	1	1	3S	1W	30	0.13		3	3R	1W
50.90	53.95	3.05	2.85	93	1.75	57	1	1	2S	3W	35	inf		3	3R	3W
53.95	57.00	3.05	2.99	98	1.26	41	1	1	3S	2W	50	0.09	10	2	3R	2W
57.00	60.05	3.05	2.91	95	2.40	79	1	1	3S	1W	45	0.14		2	3R	2W
60.05	63.09	3.04	2.91	96	2.37	78	0	1	4S	1W	55	0.14		2	3R	2W
63.09	66.14	3.05	2.82	92	2.70	89	0	1	3S	1W	50	0.28		2	3R	2W
66.14	69.19	3.05	2.95	97	2.44	80	1	1	3S	1W	65	0.14		2	3R	2W
69.19	72.24	3.05	2.75	90	1.53	50	1	1	3S	1W	50	0.17		2	3R	2W
72.24	75.29	3.05	2.97	97	2.36	77	1	1	3S	1W	50	0.09		2	3R	1W
75.29	78.33	3.04	3.04	100	1.55	51	1	1	3S	2W	60	0.11		2	3R	2W

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets					
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering
78.33	81.38	3.05	3.05	100	1.87	61	0	1	3S	4W	60	inf	40	3	3R	2W
81.38	84.43	3.05	2.58	85	0.00	0	0	1	2S	4W	55	inf	620	3	3R	4W
84.43	87.48	3.05	2.70	89	1.69	55	0	1	3S	3W	55	inf		3	3R	4W
87.48	90.53	3.05	2.40	79	0.13	4	0	1	3S	2W	55	inf		3	3R	4W
90.53	93.57	3.04	3.04	100	1.01	33	0	1	3S	3W	50	inf		3	3R	3W
93.57	96.62	3.05	2.94	96	2.14	70	0	1	3S	4W	50	0.13	65	3	3R	4W
96.62	99.67	3.05	2.92	96	1.53	50	0	1	2S	4W	60	0.08	45	3	3R	3W
99.67	102.72	3.05	2.84	93	1.70	56	0	1	2S	2W	70	0.07		3	3R	3W
102.72	105.77	3.05	2.91	95	0.81	27	0	1	3S	2W	65	0.06	10	2	2R	2W
105.77	108.81	3.04	3.04	100	1.35	44	0	1	3S	1W	70	0.08		2	2R	2W
108.81	111.86	3.05	3.03	99	0.98	32	0	1	3S	2W	55	0.07	20	2	2R	2W
111.86	114.91	3.05	2.61	86	1.03	34	1	1	3S	2W	65	0.06		2	2R	2W
114.91	117.96	3.05	3.05	100	1.66	54	0	1	3S	1W	65	0.08		1	2R	3W
117.96	121.01	3.05	2.87	94	1.68	55	0	1	3S	2W	55	0.08		1	2R	3W
121.01	124.05	3.04	2.71	89	1.55	51	0	1	3S	2W	45	0.1		1	2R	3W
124.05	127.10	3.05	2.86	94	1.58	52	0	1	3S	2W	65	0.08		1	2R	2W
127.10	130.15	3.05	3.02	99	1.89	62	0	1	3S	2W	55	0.09		1	2R	2W
130.15	133.20	3.05	3.00	98	1.46	48	0	1	3S	2W	55	0.07		2	2R	3W
133.20	136.25	3.05	3.05	100	0.97	32	0	1	3S	2W	60	0.07		2	2R	2W
136.25	139.29	3.04	2.93	96	0.23	8	0	1	2S	2W	55	0.08		2	2R	3W
139.29	142.34	3.05	2.88	94	0.76	25	0	1	3S	3W	65	0.07	120	2	2R	3W
142.34	145.39	3.05	2.87	94	1.00	33	0	1	3S	2W	50	0.06	15	2	2R	3W
145.39	148.44	3.05	2.76	90	1.75	57	0	1	2S	2W	55	0.12	520	2	2R	1W
148.44	151.49	3.05	3.05	100	2.61	86	0	1	3S	1W	60	0.14		2	2R	1W
151.49	154.53	3.04	2.90	95	1.23	40	0	1	3S	1W	40	0.07		2	2R	1W
154.53	157.58	3.05	3.03	99	1.60	52	0	1	3S	1W	45	0.09		2	2R	1W
157.58	160.63	3.05	3.05	100	1.22	40	0	1	3S	1W	50	0.08		2	2R	1W
160.63	163.68	3.05	2.92	96	2.22	73	0	1	3S	1W	35	0.12		2	2R	2W
163.68	166.73	3.05	3.05	100	2.28	75	0	1	3S	1W	60	0.12		2	2R	1W







## CRAG EAST

DESCRIPTION

# CRAG EAST

Hole: CE-12-17

Date: Aug. 5, 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
2	-	-	OVB
4	-	-	BX
6	-	-	BX
8	-	-	BX
10	-	-	BX
12	-	-	BX
14	-	-	BX
16	BD	45	
18	BD	50	
20	BD	65	
22	BD	50	
24	BD	55	
26	-	-	BX
28	-	-	BX
30	-	-	BX
32	-	-	BX
34	-	-	BX
36	-	-	BX
38	-	-	BX
40	-	-	BX
42	-	-	BX
44	-	-	BX
46	-	-	BX
48	-	-	BX
50	-	-	BX
52	-	-	RBL
54	-	-	BX

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
56	-	-	BX
58	-	-	BX
60	-	-	BX
62	-	-	BX
64	-	-	BX
66	-	-	BX
68	-	-	BX
70	-	-	BX
72	-	-	BX
74	-	-	BX
76	-	-	BX
78	-	-	BX
80	-	-	BX
82	-	-	RBL
84	-	-	RBL
86	-	-	RBL
88	-	-	RBL
90	-	-	BX
92	-	-	BX
94	-	-	BX
96	BD	65	
98	BD	65	
100	BD	65	
102	BD	80	
104	BD	60	
106	BD	65	
108	BD	75	
110	BD	65	
112	-	-	BX



## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
114	BD	60	
116	BD	60	
118	BD	60	
120	BD	60	
122	BD	65	
124	BD	50	
126	BD	40	
128	BD	50	
130	BD	50	
132	BD	60	
134	BD	50	
136	BD	50	
138	BD	50	
140	-	-	RBL
142	BD	70	
144	BD	60	
146	-	-	RBL
148	BD	55	
150	BD	40	
152	BD	40	
154	BD	35	
156	BD	50	
158	BD	45	
160	BD	45	
162	BD	50	
164	BD	60	
166	BD	60	
168	BD	50	
170	BD	40	
172	BD	45	

# CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
174	BD	50	
176	-	-	BX
178	-	-	CLY
180	BD	55	
182	BD	70	
184	BD	65	



## CRAG EAST

Hole: CE-12-17

Date: August

Box #	From (m)	To (m)
1	3.05	6.81
2	6.81	11.39
3	11.39	16.11
4	16.11	21.16
5	21.16	26.04
6	26.04	31.55
7	31.55	36.73
8	36.73	41.62
9	41.62	46.10
10	46.10	51.17
11	51.17	55.30
12	55.30	60.28
13	60.28	65.78
14	65.78	70.88
15	70.88	76.12
16	76.12	80.40
17	80.40	84.43
18	84.43	89.27
19	89.27	93.14
20	93.14	97.88
21	97.88	102.85
22	102.85	107.61
23	107.61	112.60
24	112.60	117.96
25	117.96	123.38
26	123.38	128.82
27	128.82	134.05
28	134.05	139.19
29	139.19	144.22

## CRAG EAST

30	144.22	149.48
31	149.48	154.66
32	154.66	160.11
33	160.11	165.54
34	165.54	171.33
35	171.33	176.74
36	176.74	181.97
37	181.97	185.93
	EOH	

# CRAG EAST

**CE-12-17**

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
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\*No survey on handheld Ranger unit.

## CRAG EAST

Hole **CE12-17** Merlot Note: Weakly elevated for As, Hg, Pb and Zn and weakly to strongly elevated for Sb.

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Ag	Pb	Pb	Zn	Zn
					ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%
25	M400610	3.05	5.18	2.13	0.002	5	0.88	1.5	0.05	0.01		23.6		90	
25	M400611	5.18	8.23	3.05	0.002	5	0.34	2.58	0.03	0.01		31.2		72	
25	M400612	8.23	11.28	3.05	0.001	7	5.44	3.79	0.08	0.02		17.6		916	
25	M400614	11.28	12.64	1.36	0.002	6	1.67	4.75	0.13	0.02		29.6		155	
25	M400615	12.64	14.33	1.69	0.001	7	0.59	3.72	0.24	0.02		24.4		80	
25	M400616	14.33	17.37	3.04	0.001	7	0.51	4.53	0.29	0.02		19.1		39	
25	M400618	17.37	20.42	3.05	0.002	14	0.63	2.63	0.52	0.03		33.1		47	
25	M400619	20.42	21.40	0.98	0.002	7	0.35	1.79	0.17	0.02		25.3		12	
25	M400621	21.40	23.95	2.55	0.001	18	0.86	3.76	0.66	0.02		33.3		38	
25	M400622	23.95	26.52	2.57	0.001	6	0.63	2	0.06	0.01		54.7		91	
25	M400623	26.52	29.57	3.05	0.002	<2	0.12	0.95	0.04	<0.01		9.9		75	
25	M400624	29.57	32.61	3.04	0.001	5	0.16	0.94	0.03	<0.01		23.1		86	
25	M400625	32.61	35.66	3.05	0.001	4	0.1	0.91	0.09	<0.01		9.6		78	
26	M400626	35.66	38.71	3.05	0.001	<2	0.87	0.79	0.06	0.01		8.8		155	
26	M400627	38.71	41.76	3.05	0.001	4	0.18	1.03	0.05	<0.01		43.9		110	
26	M400628	41.76	44.81	3.05	0.001	6	1.37	2.13	0.07	0.01		23.5		169	
26	M400629	44.81	47.85	3.04	0.001	5	0.19	0.87	0.07	<0.01		7.9		92	
26	M400630	47.85	50.90	3.05	<0.001	15	0.37	3.87	0.12	0.01		33.7		104	
26	M400631	50.90	52.60	1.70	0.001	11	4.02	3.29	0.05	0.02		105		247	
26	M400632	52.60	54.35	1.75	0.001	37	8.94	7.31	0.23	0.05		81.5		590	
26	M400634	54.35	57.00	2.65	0.001	4	0.4	3.16	0.07	0.01		32.9		67	
26	M400635	57.00	60.05	3.05	0.001	9	3.78	3.32	0.13	0.01		40.1		535	
26	M400636	60.05	63.09	3.04	0.001	23	12.95	10.35	0.24	0.07		172		1710	
26	M400637	63.09	66.14	3.05	0.001	15	32.7	7.23	0.22	0.05		180		5350	
26	M400638	66.14	69.19	3.05	0.001	7	1.34	5.63	0.17	0.04		106.5		280	
26	M400639	69.19	70.88	1.69	0.001	9	1.16	2.85	0.2	0.03		50.8		302	
26	M400640	70.88	72.24	1.36	0.001	4	0.56	2.96	0.18	0.01		58.4		178	
26	M400641	72.24	75.29	3.05	0.001	11	1.45	3.29	0.1	0.01		115.5		234	
26	M400642	75.29	77.04	1.75	0.001	10	0.44	12	0.16	0.01		223		154	
26	M400643	77.04	78.84	1.80	0.001	33	1.2	8.61	0.08	0.45		263		330	
26	M400645	78.84	81.02	2.18	0.001	11	1.41	5.32	0.18	0.04		52.3		421	
26	M400647	81.02	83.00	1.98	0.001	96	2.49	21.1	1.13	0.02		182.5		458	
26	M400648	83.00	84.43	1.43	0.001	133	4.66	17.65	0.31	0.05		198.5		540	

## CRAG EAST

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Ag	Pb	Pb	Zn	Zn
					ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%
26	M400649	84.43	86.37	1.94	0.001	21	0.74	2.63	0.4	0.01		42.7		159	
26	M400651	86.37	86.92	0.55	0.001	659	2.85	168	0.71	0.02		540		1660	
26	M400653	86.92	87.48	0.56	0.001	56	1.35	13.8	0.24	0.01		134.5		262	
26	M400654	87.48	90.53	3.05	<0.001	96	5.69	22.3	0.11	0.01		149.5		367	
26	M400655	90.53	92.88	2.35	0.001	105	3.32	25.3	0.25	0.01		163.5		985	
26	M400656	92.88	93.57	0.69	0.002	61	1.39	11.35	0.18	<0.01		79.1		562	
26	M400657	93.57	95.87	2.30	0.001	26	0.92	3.74	0.34	<0.01		49.2		228	
26	M400659	95.87	97.58	1.71	0.002	651	2.12	85.3	1.17	0.04		692		3470	
26	M400660	97.58	99.15	1.57	0.001	86	2.93	7.61	0.6	0.02		42.2		907	
26	M400661	99.15	100.63	1.48	0.001	30	1.17	1.89	0.39	0.01		15.1		297	
27	M400662	100.63	101.52	0.89	0.002	261	0.75	25.7	0.78	0.01		150		1440	
27	M400664	101.52	102.72	1.20	0.001	88.7	1.73	5.3	1.55	0.08		630		354	
27	M400665	102.72	105.77	3.05	0.002	160.5	1.04	8.2	1.88	0.09		1315		128	
27	M400666	105.77	108.81	3.04	0.001	54.3	0.59	8.34	0.93	0.05		586		24	
27	M400667	108.81	111.48	2.67	0.001	42.7	0.61	11.9	0.76	0.03		829		16	
27	M400668	111.48	113.13	1.65	0.001	29	0.93	2.66	0.25	0.01		56.9		33	
27	M400669	113.13	115.32	2.19	0.004	39	1.32	1.4	0.29	0.02		10.2		31	
27	M400670	115.32	116.68	1.36	0.001	13.6	2.49	0.55	0.44	0.01		9.1		28	
27	M400671	116.68	117.96	1.28	0.001	4.6	1.26	0.59	0.24	0.01		11		32	
27	M400672	117.96	121.01	3.05	<0.001	0.9	0.64	0.89	0.18	0.01		8.2		29	
27	M400673	121.01	124.05	3.04	<0.001	4.2	1.05	1.3	0.28	0.02		10.5		44	
27	M400674	124.05	127.10	3.05	0.007	1.7	0.08	1.38	0.22	0.02		8.7		40	
27	M400675	127.10	128.82	1.72	<0.001	0.9	0.15	1.45	0.17	0.02		8.9		47	
27	M400677	128.82	130.70	1.88	0.001	1.9	1.23	1.92	0.26	0.04		16		64	
27	M400678	130.70	132.35	1.65	0.007	108	8.85	5.97	2.27	0.04		26.1		52	
27	M400679	132.35	133.20	0.85	0.001	45.3	4.13	3.94	1.14	0.02		18.9		61	
27	M400680	133.20	135.01	1.81	0.001	1.1	0.39	1.55	0.33	0.02		7.6		46	
27	M400682	135.01	136.57	1.56	0.001	0.7	1.91	1.26	0.56	0.01		6.9		44	
27	M400684	136.57	139.29	2.72	0.002	30.8	7.29	3.01	1.4	0.01		12.1		54	
27	M400685	139.29	142.29	3.00	0.002	26.1	3.84	1.44	0.51	0.02		7.8		74	
27	M400686	142.29	144.71	2.42	0.001	6	6.98	0.51	0.36	0.01		7.6		48	
27	M400688	144.71	145.78	1.07	0.001	5.7	2.19	0.11	0.2	0.03		12.2		67	
27	M400689	145.78	146.72	0.94	0.004	101.5	0.99	0.48	0.15	0.18		20.3		85	
27	M400691	146.72	148.44	1.72	0.001	1.3	0.22	0.25	0.13	0.02		9.7		60	
27	M400692	148.44	151.49	3.05	0.003	5.9	0.18	0.26	0.13	0.05		10.7		51	



## CRAG EAST

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Ag	Pb	Pb	Zn	Zn
					ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%
27	M400693	151.49	154.53	3.04	0.003	40.9	0.16	1.16	0.13	0.06		9.5		54	
27	M400694	154.53	157.58	3.05	0.001	0.6	0.06	0.44	0.13	0.01		9.2		45	
27	M400695	157.58	160.63	3.05	0.003	0.6	0.06	0.41	0.14	0.02		8.9		45	
27	M400696	160.63	163.68	3.05	<0.001	0.4	0.04	0.3	0.11	0.01		9.4		54	
27	M400697	163.68	166.73	3.05	0.003	0.4	0.04	0.18	0.1	0.03		8.2		55	
29	M400698	166.73	169.77	3.04	0.001	1.7	0.08	0.37	0.12	0.02		9.4		45	
29	M400699	169.77	172.82	3.05	0.001	0.6	0.08	0.42	0.15	0.01		9.8		36	
29	M400700	172.82	174.77	1.95	0.001	0.5	0.08	0.33	0.12	0.01		8.8		33	
29	M400702	174.77	175.68	0.91	0.002	16.9	0.03	0.31	0.14	0.06		16.8		53	
29	M400703	175.68	176.74	1.06	0.001	12.5	0.06	0.14	0.12	0.04		11		33	
29	M400704	176.74	178.92	2.18	0.002	8.1	0.05	0.13	0.16	0.1		17.9		55	
29	M400705	178.92	181.97	3.05	0.002	3.8	0.04	0.06	0.09	0.11		18.5		53	
29	M400706	181.97	185.01	3.04	0.002	4.8	0.05	0.08	0.11	0.06		19.5		54	
29	M400707	185.01	185.93	0.92	0.001	2.6	0.03	0.05	0.09	0.06		14.4		41	

### QAQC SAMPLES

25	M400613	Blank			0.001	4	0.03	<0.05	<0.02	<0.01		1.4		16	
25	M400617	CDN-ME-7			0.221	5000	6.46	97.5	0.2	>100	146	>10000	5	>10000	4.99
25	M400620	1/4 duplicate			0.001	8	0.39	2.09	0.18	0.01		18.4		12	
29	M400701	CDN-ME-8			0.091	2670	2.94	39.3	0.14	61.7		>10000	1.95	>10000	1.955
27	M400663	Blank			0.001	<2	<0.01	<0.05	<0.02	<0.01		1.5		18	
27	M400676	CDN-ME-7			0.229	5550	6.9	113.5	0.21	>100	162	>10000	5.26	>10000	5.1
27	M400681	Coarse reject dup			0.001	0.9	0.37	1.53	0.32	0.02		7.6		45	
27	M400683	1/4 duplicate			0.001	0.6	1.82	1.29	0.55	0.01		6.6		43	
27	M400687	CDN-ME-8			0.09	2540	2.92	47.5	0.13	62.4		>10000	1.92	>10000	1.98
27	M400690	Blank			<0.001	<2	0.02	<0.05	<0.02	<0.01		1.9		16	
26	M400633	Blank			0.002	2	0.03	<0.05	<0.02	<0.01		1.5		13	
26	M400644	CDN-ME-7			0.212	4900	6.69	89.9	0.2	>100	148	>10000	5.06	>10000	5.12
26	M400646	Coarse reject dup			0.001	12	1.21	5.54	0.18	0.01		40.8		372	
26	M400650	1/4 duplicate			0.001	17	0.81	3.44	0.34	<0.01		40.8		146	
26	M400652	Blank			0.001	<2	0.02	0.19	<0.02	<0.01		2.1		15	
26	M400658	CDN-ME-8			0.089	2600	3.17	42.6	0.14	63.5		>10000	1.955	>10000	1.94

# CRAG EAST

CE12-17

Sample	Al	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
M400610	0.04	<0.2	<10	30	<0.05	<0.01	20.2	0.52	4.42	0.9	<1	0.1	1.8	0.82	0.22	<0.05	0.02	<0.005	0.01	2.8	0.7
M400611	0.03	<0.2	<10	30	<0.05	<0.01	20.6	0.48	5.09	0.8	<1	0.07	1.5	1	0.18	<0.05	0.02	<0.005	0.01	3.2	0.5
M400612	0.05	<0.2	<10	50	<0.05	0.01	20.5	2.36	5.5	1	<1	0.12	2.8	1.02	0.49	<0.05	0.04	0.01	0.01	3.4	0.4
M400614	0.05	<0.2	<10	70	<0.05	0.01	22.2	1.88	4.7	1.3	<1	0.24	4.2	0.92	0.26	<0.05	0.05	<0.005	0.02	2.7	0.6
M400615	0.11	<0.2	<10	90	0.07	0.03	18.8	0.39	6.82	2.1	<1	0.81	5.2	0.6	0.38	<0.05	0.09	<0.005	0.04	4.4	0.9
M400616	0.12	<0.2	<10	100	0.06	0.03	12.05	0.21	5.73	2.2	<1	1.54	5.6	0.5	0.43	<0.05	0.08	<0.005	0.05	3.7	0.8
M400618	0.36	<0.2	<10	160	0.35	0.11	17	0.06	12.4	5.1	1	6.06	13.2	1.01	1	<0.05	0.15	0.007	0.16	8.5	2.3
M400619	0.16	<0.2	<10	130	0.18	0.05	17.6	0.02	7.59	2.8	<1	1.4	5.8	0.81	0.51	<0.05	0.09	0.006	0.07	5	1
M400621	0.41	<0.2	10	250	0.28	0.16	13.9	0.09	16.15	7.5	2	11.6	20.5	1.37	1.25	0.06	0.15	0.013	0.19	11.2	2.5
M400622	0.04	<0.2	<10	40	0.07	0.01	21.1	0.42	2.76	1	<1	0.21	2	0.48	0.17	<0.05	0.02	<0.005	0.01	2	0.7
M400623	0.02	<0.2	<10	20	0.06	<0.01	21	0.16	1.17	0.8	<1	0.11	1.1	0.36	0.11	<0.05	<0.02	<0.005	<0.01	0.7	0.6
M400624	0.01	<0.2	<10	10	0.1	<0.01	20.7	0.28	1.06	0.8	<1	0.05	1.3	0.39	0.11	<0.05	<0.02	<0.005	<0.01	0.7	0.5
M400625	0.01	<0.2	<10	10	<0.05	<0.01	20.4	0.27	1.04	0.9	<1	0.05	1.3	0.34	0.11	<0.05	<0.02	<0.005	<0.01	0.6	0.4
M400626	0.02	<0.2	<10	20	0.11	<0.01	21.1	0.52	1.19	0.7	<1	<0.05	1.7	0.34	0.14	0.05	<0.02	<0.005	<0.01	0.7	1
M400627	0.02	<0.2	<10	20	0.05	<0.01	21.4	0.17	1.6	0.8	<1	<0.05	1.5	0.29	0.16	0.08	<0.02	<0.005	<0.01	1	0.8
M400628	0.04	<0.2	<10	40	0.12	<0.01	19.95	0.69	2.17	1	<1	0.06	2.2	0.41	0.23	0.09	0.02	<0.005	0.01	1.4	1
M400629	0.02	<0.2	<10	10	0.1	<0.01	19.65	0.28	0.95	0.8	<1	<0.05	1.3	0.42	0.13	0.08	<0.02	<0.005	<0.01	0.6	0.6
M400630	0.04	<0.2	<10	40	0.09	<0.01	20.5	0.33	1.69	0.9	<1	0.12	1.7	0.4	0.17	0.08	<0.02	<0.005	0.01	0.9	1
M400631	0.03	<0.2	<10	30	0.06	<0.01	19.2	1.83	1.14	0.8	<1	0.09	1.8	0.36	0.26	0.09	<0.02	<0.005	0.01	0.6	0.9
M400632	0.08	<0.2	<10	90	0.14	0.01	20.4	2.89	3.87	1.6	<1	0.44	4.5	0.79	0.49	0.09	0.05	<0.005	0.03	2.4	1.2
M400634	0.03	<0.2	<10	30	0.09	<0.01	19.5	0.49	1.32	0.8	<1	0.05	1.2	0.37	0.19	0.11	<0.02	<0.005	0.01	0.7	0.7
M400635	0.03	<0.2	<10	40	0.1	<0.01	19.95	2.23	1.8	0.9	<1	0.07	1.8	0.62	0.31	0.1	0.02	<0.005	0.01	0.9	0.6
M400636	0.06	<0.2	<10	80	0.15	0.01	19.85	5.3	2.34	1.1	<1	0.19	6.6	1.62	0.52	<0.05	0.04	0.007	0.02	1.4	0.8
M400637	0.04	<0.2	<10	60	0.12	<0.01	20	13.2	2.29	1.1	<1	0.19	4.6	0.94	0.97	0.06	0.03	0.007	0.01	1.2	0.8
M400638	0.06	<0.2	<10	80	0.12	0.01	20.3	1.63	3.09	1.3	<1	0.17	3.6	1.04	0.31	0.08	0.04	<0.005	0.02	1.7	1
M400639	0.05	<0.2	<10	70	0.18	<0.01	19.45	0.74	2.47	1.2	<1	0.16	2.8	0.89	0.27	0.06	0.03	<0.005	0.02	1.6	0.8
M400640	0.04	<0.2	<10	50	0.11	<0.01	22.7	0.82	1.84	1	<1	0.07	2	0.55	0.21	0.07	0.02	<0.005	0.01	1.1	0.7
M400641	0.03	<0.2	<10	40	0.05	<0.01	21.6	1.15	1.37	1.1	<1	0.05	2	0.52	0.22	0.08	<0.02	<0.005	0.01	0.8	0.6
M400642	0.02	<0.2	<10	10	0.08	<0.01	20.4	1.56	0.67	0.9	<1	<0.05	1.1	0.52	0.17	0.1	<0.02	<0.005	<0.01	0.3	0.5
M400643	0.03	<0.2	<10	30	0.1	0.04	22	2.37	1.01	1	<1	0.05	9.7	0.5	0.21	0.1	<0.02	<0.005	<0.01	0.6	0.6
M400645	0.04	<0.2	<10	50	0.13	<0.01	21.7	1.18	1.58	0.9	<1	0.14	2.1	0.71	0.22	0.05	<0.02	<0.005	0.01	0.8	0.7
M400647	0.12	<0.2	<10	200	0.23	0.02	17.4	2.52	4.61	1.7	<1	0.32	3.9	0.77	0.43	0.07	0.06	<0.005	0.03	2.8	1.2
M400648	0.11	<0.2	<10	120	0.2	0.02	16.75	3.11	5.04	1.3	1	0.31	4.6	0.87	0.37	0.06	0.09	<0.005	0.03	3.2	1.3

## CRAG EAST

Sample	Al	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
M400649	0.04	<0.2	<10	40	0.05	<0.01	20.7	0.69	2.29	1.1	<1	0.07	1.9	0.43	0.19	0.08	<0.02	<0.005	0.01	1.4	0.6
M400651	0.17	<0.2	<10	120	0.39	0.03	18.3	4.83	4.91	1.9	1	1.77	8.1	1.79	0.82	0.07	0.09	0.007	0.05	3.2	1.3
M400653	0.02	<0.2	<10	20	0.05	<0.01	16.7	1.09	1.58	1.8	<1	<0.05	1.6	0.53	0.2	0.09	<0.02	<0.005	<0.01	0.8	0.4
M400654	0.04	<0.2	<10	50	0.06	0.01	15.7	1.81	2.55	1.3	<1	0.14	2.1	0.55	0.27	0.08	0.03	<0.005	0.01	1.5	0.4
M400655	0.1	<0.2	<10	180	0.11	0.03	17.6	2.83	3.9	1.9	<1	0.66	4	0.74	0.42	0.07	0.05	<0.005	0.04	2.4	0.8
M400656	0.11	<0.2	<10	110	0.11	0.02	20.4	1.22	5.3	1.9	<1	0.77	3.4	0.57	0.44	0.1	0.05	<0.005	0.04	3.2	1
M400657	0.04	<0.2	<10	60	0.05	0.01	20.4	1.18	2.87	1.7	<1	0.09	1.9	0.62	0.25	0.1	0.02	<0.005	0.01	1.7	0.6
M400659	0.34	<0.2	<10	1360	0.51	0.19	14.05	5.87	19.3	8	5	4.74	23.9	2.86	1.36	0.11	0.15	0.025	0.15	9.3	1.9
M400660	0.33	<0.2	10	170	0.29	0.12	17.15	0.96	14.2	4.3	3	2.69	9.8	1.99	1.06	0.08	0.11	0.013	0.14	6.3	2
M400661	0.1	<0.2	<10	100	0.05	0.03	20.7	0.18	8.74	2.9	<1	0.37	3.5	1.52	0.4	0.07	0.05	0.005	0.03	5.8	1
M400662	0.16	<0.2	<10	80	0.22	0.04	18.8	2.65	8.31	23.6	<1	0.43	12	2.75	0.36	0.09	0.06	0.005	0.02	5.2	2.1
M400664	0.43	<0.2	<10	370	0.54	0.24	2.42	0.54	4.91	18.1	8	3.69	33.8	3.01	1.12	0.07	0.15	0.018	0.14	2.2	3
M400665	0.35	<0.2	<10	1600	0.55	0.2	1.74	0.08	3.65	10.7	9	2.95	32.5	2.26	0.92	0.06	0.11	0.013	0.13	1.7	4
M400666	0.34	<0.2	<10	810	0.5	0.31	1.07	0.01	4.74	13.2	6	5.89	35.6	1.49	1.03	0.05	0.11	0.011	0.18	2.1	3.9
M400667	0.35	<0.2	10	320	0.56	0.39	1.92	0.01	4.57	14.6	7	7.4	47.3	1.28	1.03	0.05	0.14	0.016	0.21	1.8	4.2
M400668	0.27	<0.2	<10	80	0.5	0.21	15.4	0.03	7.96	11.6	1	5.68	22.9	0.99	0.82	0.06	0.11	0.023	0.17	4.7	2.8
M400669	0.46	<0.2	10	370	1.08	0.6	4.08	0.01	6.1	18.9	6	11.5	163.5	2.26	1.51	0.07	0.12	0.032	0.31	2.3	8.3
M400670	0.4	<0.2	10	660	0.8	0.24	9.21	0.01	7.33	11.9	5	7.15	18.1	2.6	1.36	0.08	0.08	0.026	0.27	3.6	8.2
M400671	0.5	<0.2	10	1370	1.08	0.24	1.17	0.01	5.09	11.1	15	9.8	2.6	3.35	1.67	0.1	0.11	0.028	0.33	1.6	6.2
M400672	0.51	<0.2	10	120	1.16	0.27	1.46	0.01	4.32	12.2	19	9.52	1.8	3.67	1.65	0.1	0.12	0.032	0.34	1.5	4.7
M400673	0.51	<0.2	10	310	1.17	0.23	1.64	0.01	4.62	17.4	17	7.31	4.7	3.94	1.69	0.1	0.11	0.034	0.33	1.6	8.3
M400674	0.53	<0.2	10	230	1.29	0.25	1.53	0.01	4.02	15.5	23	8.15	2	3.68	1.8	0.09	0.11	0.031	0.32	1.5	5.5
M400675	0.51	<0.2	10	300	1.26	0.21	1.23	0.01	3.1	15.8	20	7.94	1.8	3.65	1.71	0.09	0.11	0.03	0.32	1.1	7.2
M400677	0.52	<0.2	10	1320	1.23	0.2	1.78	0.06	3.4	16	18	7.35	5.5	3.81	1.73	0.08	0.11	0.03	0.32	1.2	6.6
M400678	0.46	<0.2	10	740	1.12	0.2	0.98	0.04	1.69	15.4	9	6.24	3.9	3.7	1.49	0.07	0.08	0.032	0.29	0.7	5.6
M400679	0.47	<0.2	10	640	1.17	0.23	0.98	0.01	1.61	15.4	13	6.69	6.3	4.05	1.61	0.09	0.09	0.029	0.29	0.6	5.5
M400680	0.51	<0.2	10	990	1.23	0.18	1.78	0.01	2.73	15.1	16	6.6	2.2	3.8	1.73	0.09	0.11	0.029	0.31	1	6.2
M400682	0.5	<0.2	10	330	1.3	0.18	0.87	<0.01	2.43	14.5	18	6.26	1.3	3.85	1.68	0.07	0.13	0.032	0.3	0.9	7.1
M400684	0.5	<0.2	10	350	1.29	0.16	0.8	<0.01	1.73	19.2	10	5.82	3.5	3.19	1.75	0.06	0.09	0.038	0.3	0.7	11.5
M400685	0.45	<0.2	10	180	1.22	0.08	2.11	0.01	2.39	27.6	9	5.36	18.3	4.12	1.67	0.08	0.09	0.039	0.25	0.9	13.3
M400686	0.51	<0.2	10	390	1.29	0.16	0.87	0.01	1.94	17.5	15	7.12	2.9	3.8	1.76	0.08	0.11	0.035	0.31	0.8	9
M400688	0.46	<0.2	10	110	1.16	0.12	0.75	0.05	2.14	20.5	8	4.98	15.2	2.89	1.56	0.06	0.09	0.037	0.26	0.9	9.5
M400689	0.39	<0.2	10	670	1.08	0.31	2.68	0.03	5.48	40.1	7	4.32	232	3.26	1.37	0.07	0.17	0.036	0.21	2.3	10.5
M400691	0.49	<0.2	10	260	1.02	0.21	0.99	0.01	5.77	22.1	11	6.7	10.3	3.82	1.55	0.05	0.13	0.035	0.32	2.3	11.1
M400692	0.5	<0.2	10	320	1.18	0.27	1.2	0.01	4.6	17.9	10	7.66	72.4	3.28	1.85	0.06	0.16	0.031	0.34	1.8	12.2

## CRAG EAST

Sample	Al	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li
	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
M400693	0.48	<0.2	10	570	1.19	0.25	1.14	0.01	4.66	19.2	9	7.08	149	2.83	1.81	0.06	0.17	0.033	0.33	1.9	9.4
M400694	0.57	<0.2	10	230	1.24	0.19	0.92	<0.01	4.48	16.1	16	7.63	3.6	3.67	2.12	0.08	0.16	0.031	0.38	1.9	13
M400695	0.58	<0.2	10	510	1.27	0.27	0.97	0.01	4.86	15.6	15	6.18	12.1	3.33	2.1	0.07	0.16	0.03	0.39	2	11.8
M400696	0.49	<0.2	10	170	1.1	0.19	0.76	<0.01	4.59	17.1	14	4.15	2.1	3.69	1.73	0.07	0.14	0.029	0.33	2	11.7
M400697	0.47	<0.2	10	710	0.96	0.23	1.44	0.01	4.16	17.4	11	3.8	24.2	3.51	1.6	0.07	0.15	0.029	0.33	1.7	12
M400698	0.46	<0.2	10	250	0.97	0.27	0.79	0.02	5.76	17	14	6.03	27.1	3.36	1.51	0.06	0.12	0.029	0.32	2.5	5.8
M400699	0.54	<0.2	10	120	0.92	0.27	0.32	0.01	4.14	11.4	20	6.24	4.5	3.54	1.63	0.07	0.12	0.02	0.36	1.9	5.1
M400700	0.45	<0.2	10	140	0.97	0.27	0.21	0.01	4.11	10.1	16	6.2	9.3	3.19	1.51	0.06	0.11	0.022	0.32	1.9	4
M400702	0.37	<0.2	10	110	0.65	0.21	1.56	0.05	11.9	20.2	6	3.96	94.4	3.5	1.22	0.07	0.09	0.029	0.26	5.3	4.7
M400703	0.36	<0.2	10	40	0.55	0.22	1.32	0.01	12.6	16.4	8	3.69	61.2	3.65	1.22	0.06	0.09	0.028	0.23	5.8	5.5
M400704	0.39	<0.2	10	50	0.77	0.42	0.66	<0.01	13.85	19.7	11	3.59	72.4	3.75	1.34	0.06	0.09	0.038	0.22	6.5	9.2
M400705	0.3	<0.2	<10	70	0.48	0.19	1.45	0.01	13.55	13.4	8	2.58	26.3	3.3	0.96	0.06	0.11	0.029	0.2	6	5.3
M400706	0.35	<0.2	<10	60	0.62	0.24	1.39	0.01	14.3	15.6	7	3.28	25.3	3.43	1.1	0.07	0.11	0.03	0.25	5.8	4.4
M400707	0.33	<0.2	<10	50	0.43	0.14	1.47	0.01	11.15	14.5	8	2.75	27.6	4.36	1.22	0.08	0.07	0.033	0.23	4.4	5.2

M400613	0.03	<0.2	<10	20	<0.05	0.02	20.6	0.07	1.37	1.1	<1	0.4	1.6	0.46	0.14	<0.05	<0.02	0.006	0.02	0.7	0.8
M400617	0.57	<0.2	<10	40	0.41	9.53	11.55	284	20	19.4	13	1.48	2250	4.27	2.96	0.1	0.08	0.148	0.12	10.5	11.6
M400620	0.19	<0.2	<10	150	0.12	0.05	17.35	0.03	9.85	3.6	<1	2.31	8.4	0.82	0.62	<0.05	0.11	0.007	0.09	6.5	1.2
M400701	0.93	<0.2	<10	80	0.3	3.98	5.79	125	14.85	13.8	32	0.93	1090	3.3	3.78	0.1	0.18	0.069	0.11	7.4	7.9
M400663	0.03	<0.2	<10	10	<0.05	0.02	20.7	0.06	1.29	1.5	<1	0.18	1.6	0.5	0.2	0.14	<0.02	<0.005	0.01	0.6	1.1
M400676	0.67	0.2	<10	40	0.49	10.55	12.25	300	26.3	20.3	14	1.9	2470	4.46	3.13	0.14	0.07	0.172	0.14	13.4	10.9
M400681	0.5	<0.2	10	950	1.2	0.18	1.72	0.01	2.73	15	16	6.69	2.3	3.76	1.67	0.09	0.12	0.03	0.31	1	6.2
M400683	0.48	<0.2	10	490	1.28	0.18	0.84	<0.01	2.33	14.1	18	6.31	1.5	3.87	1.66	0.07	0.13	0.032	0.3	0.9	6.8
M400687	0.94	<0.2	<10	80	0.34	3.8	5.66	129	16	11.6	31	1.06	1070	3.29	3.61	0.08	0.19	0.077	0.11	7.9	9.7
M400690	0.03	<0.2	<10	10	<0.05	0.02	19.75	0.06	1.13	1.4	<1	0.34	1.8	0.47	0.21	0.11	<0.02	<0.005	0.02	0.5	1.3
M400633	0.03	<0.2	<10	10	<0.05	0.02	20	0.06	1.11	1.2	<1	0.12	1.5	0.46	0.19	0.09	<0.02	<0.005	0.02	0.5	0.9
M400644	0.64	2.8	<10	50	0.58	9.54	12.3	309	19	22.3	15	1.43	2420	4.36	3.25	0.14	0.07	0.138	0.13	9.9	10.2
M400646	0.04	<0.2	<10	50	0.14	<0.01	22.2	1.06	1.57	1	<1	0.14	1.6	0.72	0.21	0.07	<0.02	<0.005	0.01	0.9	0.7
M400650	0.03	<0.2	<10	30	0.05	<0.01	19.95	0.75	2.36	1.1	<1	0.05	2	0.41	0.2	0.11	<0.02	<0.005	0.01	1.4	0.6
M400652	0.02	<0.2	<10	40	<0.05	0.02	20.8	0.06	1.1	1.3	<1	0.23	1.7	0.46	0.16	0.09	<0.02	<0.005	0.01	0.5	0.9
M400658	0.93	<0.2	<10	80	0.38	4.03	6.38	127	15.2	13.6	32	1.01	1070	3.4	3.68	0.13	0.19	0.071	0.11	7.6	8.3

# CRAG EAST

CE12-17

Sample	Mg	Mn	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V
	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
M400610	11.15	611	0.05	0.03	0.19	2.4	260	0.4	<0.001	<0.01	0.3	0.3	<0.2	53.2	<0.01	0.02	0.2	<0.005	0.94	1
M400611	11.45	729	0.05	0.03	0.2	2.3	310	0.2	0.001	<0.01	0.2	0.2	<0.2	57.3	<0.01	0.03	<0.2	<0.005	1.06	1
M400612	11.15	744	0.06	0.03	0.2	2.8	370	0.5	0.001	0.02	0.5	0.3	0.2	60.6	<0.01	0.02	0.3	<0.005	1.1	1
M400614	9.3	660	0.09	0.03	0.17	3.1	190	0.7	0.001	0.01	0.7	0.3	<0.2	71.5	<0.01	0.03	0.4	<0.005	1.02	2
M400615	10.8	402	0.1	0.03	0.18	5.6	320	1.8	<0.001	0.02	1.1	0.3	0.2	51.9	<0.01	0.03	1	<0.005	1.17	2
M400616	6.89	212	0.07	0.03	0.11	5.6	260	2.2	<0.001	0.06	1.4	0.2	0.3	43	<0.01	0.02	1.2	<0.005	0.75	3
M400618	9.68	265	0.23	0.02	<0.05	9.8	260	6.1	0.001	0.57	3.2	0.4	0.7	51.7	<0.01	0.04	2.4	<0.005	0.85	5
M400619	10.05	385	0.09	0.02	<0.05	4.7	510	2.6	0.001	0.15	2	<0.2	0.3	68.3	<0.01	0.04	1.4	<0.005	0.76	3
M400621	7.77	326	0.11	0.03	0.15	15.3	360	8.7	0.001	0.05	4.1	0.4	1.2	49.2	<0.01	0.07	3.9	<0.005	0.74	6
M400622	11.8	532	0.06	0.04	0.2	2.9	280	0.5	0.001	0.02	0.2	0.2	<0.2	82.3	<0.01	0.02	0.2	<0.005	1.26	1
M400623	11.2	467	<0.05	0.03	0.21	2.8	230	0.2	0.001	0.01	0.1	0.2	<0.2	81.1	<0.01	0.02	<0.2	<0.005	1.45	1
M400624	11.5	537	0.05	0.04	0.21	2.9	210	0.1	0.001	0.01	<0.1	0.2	<0.2	74.3	<0.01	0.02	<0.2	<0.005	1.2	<1
M400625	11.6	424	<0.05	0.04	0.21	3.2	210	0.1	0.001	0.01	0.1	0.2	<0.2	69.8	<0.01	0.01	<0.2	<0.005	1.2	<1
M400626	11.85	442	0.06	0.02	0.13	<0.2	220	0.2	<0.001	0.01	0.1	0.2	<0.2	84.4	<0.01	0.01	<0.2	<0.005	1.37	<1
M400627	12.3	382	0.05	0.03	0.13	<0.2	260	0.1	<0.001	0.01	0.2	0.3	<0.2	65.1	<0.01	0.01	<0.2	<0.005	1.34	1
M400628	11.85	458	0.09	0.03	0.14	<0.2	340	0.3	<0.001	0.01	0.3	0.3	<0.2	99.6	<0.01	0.01	0.2	<0.005	1.57	1
M400629	11.75	494	0.08	0.02	0.13	<0.2	180	0.1	<0.001	0.01	0.1	0.2	<0.2	84.3	<0.01	0.01	<0.2	<0.005	1.27	<1
M400630	11.25	475	0.08	0.02	0.13	<0.2	270	0.3	<0.001	0.01	0.3	0.2	<0.2	91	<0.01	0.01	<0.2	<0.005	1.56	1
M400631	10.35	372	0.08	0.02	0.13	<0.2	190	0.2	<0.001	0.01	0.2	0.3	<0.2	88.2	<0.01	0.01	<0.2	<0.005	1.27	<1
M400632	11.3	615	0.21	0.02	0.15	1.5	310	1	0.001	0.02	0.8	0.4	0.2	111.5	<0.01	0.02	0.5	<0.005	1.4	2
M400634	11.15	419	0.08	0.02	0.14	0.7	170	0.2	<0.001	0.01	0.2	0.2	<0.2	92.3	<0.01	0.01	<0.2	<0.005	1.02	1
M400635	11.25	599	0.08	0.02	0.14	0.7	270	0.2	<0.001	0.02	0.3	0.3	<0.2	85.2	<0.01	0.01	<0.2	<0.005	1.22	1
M400636	11	1040	0.19	0.02	0.12	3.3	370	0.7	0.001	0.1	1.3	0.4	<0.2	90.5	<0.01	0.02	0.3	<0.005	1.34	2
M400637	11.3	734	0.12	0.03	0.13	1.1	340	0.5	<0.001	0.05	0.6	0.7	0.2	104.5	<0.01	0.02	0.3	<0.005	1.32	2
M400638	11.35	915	0.1	0.02	0.15	1.7	360	0.6	<0.001	0.02	0.7	0.4	<0.2	104.5	<0.01	0.02	0.4	<0.005	1.49	2
M400639	11.55	753	0.07	0.03	0.15	1.6	360	0.5	0.001	0.03	0.7	0.4	<0.2	109.5	<0.01	0.02	0.3	<0.005	1.27	2
M400640	9.37	475	0.08	0.02	0.17	1.1	270	0.3	<0.001	0.01	0.4	0.4	<0.2	86.4	<0.01	0.02	0.2	<0.005	1.12	1
M400641	9.79	489	0.1	0.02	0.16	1.3	170	0.2	<0.001	0.01	0.3	0.3	<0.2	95.6	<0.01	0.03	<0.2	<0.005	1.11	1
M400642	11.15	536	0.06	0.02	0.14	0.9	160	0.1	0.001	0.01	0.2	0.3	<0.2	97.4	<0.01	0.01	<0.2	<0.005	1.15	1
M400643	9.11	555	0.09	0.02	0.17	1.1	140	0.2	<0.001	0.03	0.2	0.3	<0.2	116	<0.01	0.02	<0.2	<0.005	0.9	<1
M400645	10.35	640	0.1	0.02	0.11	0.4	330	0.3	<0.001	0.04	0.2	0.4	<0.2	138.5	<0.01	0.02	<0.2	<0.005	1.33	1
M400647	9.69	509	0.11	0.02	0.12	2.4	250	1.3	<0.001	0.01	1.2	0.3	<0.2	139.5	<0.01	0.02	0.7	<0.005	0.85	3
M400648	9.45	372	0.17	0.02	0.12	3.1	160	1	<0.001	<0.01	1.2	0.3	0.2	143	<0.01	0.01	0.9	<0.005	0.89	4

## CRAG EAST

Sample	Mg	Mn	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V
	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
M400649	10.75	392	0.06	0.02	0.13	1.1	350	0.3	<0.001	<0.01	0.3	0.3	<0.2	84.6	<0.01	0.01	0.2	<0.005	0.36	1
M400651	10.5	310	0.3	0.02	0.16	5.4	370	2.4	<0.001	<0.01	1.4	0.4	<0.2	127.5	<0.01	0.04	0.7	<0.005	0.68	4
M400653	9.56	406	0.1	0.02	0.12	1.4	170	0.2	<0.001	<0.01	0.3	0.3	<0.2	57.8	<0.01	0.01	<0.2	<0.005	0.28	1
M400654	9.02	265	0.12	0.02	0.11	1.8	280	0.4	<0.001	<0.01	0.4	0.3	<0.2	65.8	<0.01	0.02	0.3	<0.005	0.39	1
M400655	9.91	416	0.13	0.02	0.14	2.8	310	1.4	<0.001	<0.01	0.9	0.4	0.3	76.7	<0.01	0.02	0.6	<0.005	0.5	2
M400656	11.1	447	0.07	0.02	0.16	2.3	270	1.6	<0.001	<0.01	0.7	0.4	<0.2	64.9	<0.01	0.02	0.7	<0.005	0.69	2
M400657	11.15	603	0.07	0.02	0.16	1.7	350	0.4	<0.001	<0.01	0.4	0.4	<0.2	60.2	<0.01	0.02	0.3	<0.005	0.5	2
M400659	6.86	739	0.32	0.01	0.13	11.7	780	6.3	<0.001	0.03	5.9	0.9	1.6	83.5	0.01	0.05	5.1	<0.005	0.85	8
M400660	8.05	861	0.12	0.02	0.13	6.8	540	5.5	<0.001	0.03	3.8	0.6	0.3	77	<0.01	0.04	3.2	<0.005	0.62	6
M400661	9.86	1170	0.11	0.02	0.15	3	170	1.1	<0.001	<0.01	1.3	0.5	<0.2	71.1	<0.01	0.03	0.5	<0.005	0.35	2
M400662	8.97	916	0.39	0.02	0.23	18.5	230	0.8	<0.001	0.04	2.5	0.7	0.2	64.6	<0.01	0.02	0.7	<0.005	0.86	3
M400664	1.04	344	0.33	0.01	0.07	24.5	440	5.9	<0.001	0.09	7.6	0.5	1.4	44.6	<0.01	0.05	3.1	<0.005	1.62	8
M400665	0.71	204	0.44	0.05	0.05	18.8	390	5.5	<0.001	0.23	7.1	0.3	1.7	41.3	<0.01	0.04	2.1	<0.005	1.05	7
M400666	0.39	145	0.32	0.01	<0.05	18.4	320	7.5	<0.001	0.21	6.4	0.2	3.5	39.7	<0.01	0.06	3	<0.005	0.69	6
M400667	0.51	179	0.21	0.01	0.05	17.5	460	8.6	<0.001	0.22	6.9	0.3	2.3	43.4	<0.01	0.06	3.8	<0.005	0.89	6
M400668	0.39	663	0.22	0.01	0.2	13.6	360	7.8	<0.001	0.14	6.5	0.5	1	301	<0.01	0.03	2.6	<0.005	0.96	4
M400669	0.46	545	0.24	0.01	0.1	32.4	270	15.8	<0.001	0.34	7.8	0.3	0.5	120.5	<0.01	0.04	2.9	<0.005	0.47	8
M400670	0.5	983	0.21	0.01	0.15	19.9	150	14	<0.001	0.14	7.2	0.4	0.4	291	<0.01	0.03	2.8	<0.005	0.48	10
M400671	0.42	477	0.37	0.05	0.15	23.8	160	18	<0.001	0.04	7.4	0.2	0.6	53.4	<0.01	0.04	3.8	0.017	0.62	18
M400672	0.55	536	0.31	0.01	0.19	23.3	130	17.2	<0.001	0.01	8.7	0.3	0.6	61.7	<0.01	0.07	4	0.024	0.45	29
M400673	0.69	788	0.47	0.01	0.16	36.1	160	15.5	<0.001	0.03	8.3	0.3	0.6	61.3	<0.01	0.05	4	0.017	0.62	25
M400674	0.6	731	0.41	0.01	0.17	28.8	170	16.3	<0.001	0.01	7.6	0.2	0.6	81.7	<0.01	0.04	4.5	0.021	0.56	33
M400675	0.65	584	0.39	0.01	0.16	32.1	120	15.2	<0.001	0.01	7.4	0.2	0.6	50.2	<0.01	0.03	3.9	0.019	0.45	30
M400677	0.88	818	0.74	0.02	0.14	29.7	120	15.5	<0.001	0.04	7.2	0.3	0.6	114.5	<0.01	0.03	3.6	0.018	0.57	25
M400678	0.51	733	0.5	0.01	0.08	35.9	30	13.7	<0.001	0.31	7.4	0.3	0.4	61.7	<0.01	0.04	1.7	<0.005	0.85	24
M400679	0.55	523	0.46	0.02	0.14	38.7	10	14.8	<0.001	0.42	6.8	0.2	0.5	47.8	<0.01	0.03	2.2	0.012	0.74	20
M400680	0.81	1040	0.72	0.02	0.15	28.6	40	15.5	<0.001	0.03	6.9	0.2	0.6	83.2	<0.01	0.02	3.1	0.019	0.54	24
M400682	0.52	472	0.32	0.02	0.13	32.4	60	15.1	<0.001	0.01	7.5	<0.2	0.7	39.6	<0.01	0.02	3.1	0.023	0.53	23
M400684	0.42	704	0.48	0.01	0.07	43.5	10	14.8	<0.001	0.09	8.8	0.3	0.6	38.8	<0.01	0.03	1.6	<0.005	1.65	30
M400685	0.81	1240	1.04	0.01	0.1	48.9	10	12.4	<0.001	0.04	9.6	0.4	0.7	76.1	<0.01	0.03	1.7	<0.005	1.81	34
M400686	0.42	813	0.32	0.01	0.13	39.5	10	15.9	<0.001	0.03	7.9	0.4	0.7	42.4	<0.01	0.03	2	0.015	1.26	28
M400688	0.46	721	0.26	0.01	0.07	46.1	20	11.9	<0.001	0.01	8.6	0.2	0.4	37.4	<0.01	0.02	1.3	<0.005	1.28	26
M400689	1.11	1180	4.58	0.01	0.08	53.1	20	9.1	0.003	0.03	8.9	0.6	1.3	127	<0.01	0.03	2.2	<0.005	2.7	41
M400691	0.58	2140	0.63	0.01	0.06	38.5	170	14.7	<0.001	0.01	5.1	0.3	0.5	83.2	<0.01	0.05	3.1	0.011	1.08	20
M400692	0.63	1480	0.92	0.01	0.1	31.7	150	18.1	<0.001	0.02	6.2	0.4	0.5	85.2	<0.01	0.03	3.4	0.013	1.12	18

## CRAG EAST

Sample	Mg	Mn	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V
	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
M400693	0.61	1870	1.29	0.02	0.08	31.4	120	17.1	<0.001	0.03	6.6	0.4	0.6	70.2	<0.01	0.03	3	0.008	1.07	18
M400694	0.51	1540	0.54	0.02	0.14	30.4	150	20.6	<0.001	0.01	6.3	0.2	0.7	54.6	<0.01	0.02	4.2	0.026	0.56	21
M400695	0.53	1400	0.73	0.02	0.13	29	140	20.3	<0.001	0.02	6.2	0.4	0.7	50.6	<0.01	0.03	3.9	0.023	0.73	24
M400696	0.54	1140	0.55	0.01	0.12	32.4	110	16.5	<0.001	0.01	6.2	0.2	0.6	49.1	<0.01	0.02	3.8	0.023	0.55	18
M400697	0.82	1780	0.57	0.02	0.11	31.5	100	15.5	<0.001	0.03	6.3	0.3	0.7	101	<0.01	0.03	3.1	0.013	0.88	22
M400698	0.64	1860	0.58	0.02	0.08	26.9	100	16.6	<0.001	0.02	5.1	0.3	0.6	59.1	<0.01	0.04	3.7	0.017	0.9	20
M400699	0.39	186	0.56	0.02	0.1	25.7	30	18.6	<0.001	0.01	3.7	0.2	0.7	34.4	<0.01	0.05	4.1	0.024	1.13	22
M400700	0.33	212	0.48	0.02	0.1	25	60	17.3	<0.001	0.01	4.1	<0.2	0.6	32.5	<0.01	0.03	3.7	0.021	0.55	15
M400702	0.93	1850	2.88	0.03	<0.05	23.8	70	11	<0.001	0.17	4.6	0.2	1.1	73.5	<0.01	0.01	5	<0.005	0.52	9
M400703	0.83	1100	0.77	0.03	<0.05	20.2	140	9.5	<0.001	0.12	5.1	0.2	3	55.6	<0.01	0.01	5.6	<0.005	0.58	12
M400704	0.64	960	0.52	0.03	<0.05	26.4	50	9.9	<0.001	0.39	7.2	0.2	3.3	68	<0.01	0.01	4.3	<0.005	0.67	18
M400705	0.78	1440	0.37	0.02	<0.05	15.7	110	8.1	<0.001	0.2	4.8	0.2	2.4	96.6	<0.01	<0.01	5.2	<0.005	0.48	9
M400706	0.76	1340	0.49	0.02	<0.05	18.3	320	9.8	<0.001	0.26	5.2	0.3	0.9	81.7	<0.01	0.01	5.8	<0.005	0.55	9
M400707	0.94	1520	0.27	0.02	0.05	22.9	300	9.9	<0.001	0.35	5.3	0.2	0.8	74.2	<0.01	<0.01	5.8	<0.005	0.43	10

M400613	11.8	194	0.12	0.02	0.22	3.5	190	1.5	0.001	<0.01	0.2	0.2	<0.2	45.8	<0.01	0.01	<0.2	<0.005	0.57	1
M400617	0.43	5440	4.65	0.02	0.21	19.7	730	9.3	0.003	5.6	2.6	7	1.9	537	<0.01	0.47	2.9	<0.005	1.11	12
M400620	9.68	357	0.09	0.03	0.16	6.9	540	3.5	0.001	0.16	2	0.3	0.7	72.8	<0.01	0.04	1.7	<0.005	0.83	3
M400701	0.47	2670	5.35	0.05	0.23	27.9	630	6.2	0.002	2.78	4	4.2	1.7	289	<0.01	0.14	2.2	0.052	0.77	32
M400663	12.6	208	0.13	<0.01	0.25	1.4	180	1.1	<0.001	0.04	0.4	0.3	<0.2	48.3	<0.01	<0.01	0.2	<0.005	0.67	1
M400676	0.45	5800	4.7	0.02	0.2	17	790	9.9	0.003	6.84	2.4	10.1	2.2	582	<0.01	0.51	3.4	<0.005	1.26	13
M400681	0.79	1000	0.67	0.02	0.16	28.4	40	15.3	<0.001	0.03	6.9	0.2	0.6	79.4	<0.01	0.02	3	0.019	0.52	24
M400683	0.5	456	0.32	0.01	0.15	31.5	60	15	<0.001	0.02	7.3	<0.2	0.8	41.2	<0.01	0.02	3	0.023	0.5	23
M400687	0.47	2630	5.73	0.06	0.24	22.3	620	6.8	0.002	2.59	3.3	4.1	2.1	290	<0.01	0.17	2.1	0.052	0.77	31
M400690	11.85	203	0.14	0.01	0.29	0.5	160	1.9	<0.001	0.05	0.4	0.3	<0.2	44.3	<0.01	<0.01	<0.2	<0.005	1.21	1
M400633	11.95	212	0.05	0.01	0.15	1.3	200	0.8	<0.001	<0.01	0.3	0.2	<0.2	44.6	<0.01	0.01	<0.2	<0.005	0.49	1
M400644	0.46	5810	4.68	0.02	0.2	19.3	780	9.2	0.003	5.51	3.1	9.5	1.7	556	<0.01	0.43	3.3	<0.005	1.15	13
M400646	10.55	646	0.1	0.02	0.12	0.7	330	0.2	<0.001	0.04	0.2	0.3	<0.2	137	<0.01	0.02	<0.2	<0.005	1.29	1
M400650	11	376	0.06	0.02	0.13	1.3	330	0.2	<0.001	0.01	0.3	0.2	0.2	81	<0.01	0.02	0.3	<0.005	0.37	1
M400652	12	201	<0.05	0.01	0.16	1.9	190	0.9	<0.001	0.02	0.3	0.2	<0.2	43.9	<0.01	0.02	0.2	<0.005	0.72	1
M400658	0.55	2730	5.36	0.05	0.27	27.7	640	7	0.003	2.71	3.8	4.1	1.8	284	<0.01	0.19	2.5	0.054	0.78	32

# CRAG EAST

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Sample	W	Y	Zr
	ppm	ppm	ppm
M400610	0.06	3.58	0.8
M400611	<0.05	4.11	0.6
M400612	<0.05	4.67	1.2
M400614	0.05	5.73	1.7
M400615	0.08	4.56	3.6
M400616	0.06	3.69	3.3
M400618	<0.05	6.63	5.3
M400619	0.05	5.78	3.5
M400621	0.08	8.93	6.4
M400622	<0.05	2.6	0.8
M400623	<0.05	1.69	<0.5
M400624	<0.05	1.31	<0.5
M400625	<0.05	1.2	<0.5
M400626	<0.05	1.72	<0.5
M400627	<0.05	1.96	<0.5
M400628	<0.05	2.68	0.7
M400629	<0.05	1.5	<0.5
M400630	<0.05	2.62	0.6
M400631	<0.05	1.77	0.6
M400632	0.05	3.64	2
M400634	<0.05	1.55	<0.5
M400635	<0.05	2.07	0.5
M400636	<0.05	3.3	1.4
M400637	<0.05	2.83	0.9
M400638	0.05	3.41	1.4
M400639	<0.05	2.7	1.2
M400640	<0.05	3.51	0.8
M400641	<0.05	2.47	0.5
M400642	<0.05	1.58	<0.5
M400643	<0.05	2.89	<0.5
M400645	<0.05	2.71	<0.5
M400647	0.07	3.12	2.5
M400648	0.09	2.87	3.7



## CRAG EAST

Sample	W	Y	Zr
	ppm	ppm	ppm
M400649	<0.05	2.52	0.5
M400651	1.11	3.98	4.7
M400653	0.05	1.52	0.5
M400654	0.05	2.22	1
M400655	0.06	3.02	1.8
M400656	<0.05	3.67	2
M400657	<0.05	3.5	0.7
M400659	0.33	13.5	6
M400660	0.11	10.3	3.7
M400661	<0.05	6.21	1.4
M400662	0.19	13.9	2.2
M400664	0.17	6.21	6.1
M400665	0.46	4.94	5
M400666	0.12	3.52	4.7
M400667	0.07	6.08	5.5
M400668	0.05	10.95	4.4
M400669	<0.05	8.91	4.3
M400670	<0.05	9.72	2.8
M400671	0.06	4.99	3.5
M400672	0.08	4.33	3.8
M400673	0.09	5.09	3.3
M400674	0.08	5.35	3.7
M400675	0.06	4.29	3.4
M400677	0.07	6.39	3.4
M400678	<0.05	3.59	2.6
M400679	0.06	2.98	2.9
M400680	0.06	5.92	3.6
M400682	0.06	3.56	3.9
M400684	<0.05	4.19	3
M400685	<0.05	6.01	3.3
M400686	<0.05	3.53	3.6
M400688	<0.05	3.4	3
M400689	<0.05	7.1	6.6
M400691	0.05	5.29	4.5
M400692	0.05	6.32	5.4

## CRAG EAST

Sample	W	Y	Zr
	ppm	ppm	ppm
M400693	<0.05	6.18	5.5
M400694	0.07	5.38	4.8
M400695	0.06	5.28	4.9
M400696	0.05	4.29	4.4
M400697	0.05	5.47	4.7
M400698	0.05	4.27	3.8
M400699	0.06	3.36	3.4
M400700	0.06	3.08	3.1
M400702	<0.05	3.78	2.7
M400703	<0.05	3.83	2.8
M400704	0.1	3.45	3.1
M400705	0.11	3.26	3.5
M400706	0.06	5.52	3.7
M400707	0.05	4.55	2.5

M400613	<0.05	0.85	<0.5
M400617	0.66	7.51	2.2
M400620	0.05	6.31	4.3
M400701	6.31	6.69	5.8
M400663	0.08	1.04	<0.5
M400676	0.69	7.84	2.4
M400681	0.06	5.73	3.7
M400683	0.06	3.58	4
M400687	6	7.55	6.1
M400690	0.07	0.97	<0.5
M400633	<0.05	0.89	<0.5
M400644	0.74	7.43	2.1
M400646	<0.05	2.58	<0.5
M400650	<0.05	2.23	0.5
M400652	0.07	0.81	<0.5
M400658	6.65	7.6	5.8

# CRAG EAST

**ZONE:** Malbec

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		619714.697	7106260.210	903.155	167.34

**SECTION:** \_\_\_\_\_

**HOLE:** CE12-18

**CLAIM:** Crag 417/ Crag East 1

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	220	-45	Compass				

Contractor: Beaudoin

Drill: JKS300

Core size: NTW Reduced at: \_\_\_\_\_ (m)

Casing depth: 4.57 (m) in / **out**

Drilling dates: August 6th to August 9th, 2012

**TARGET:** Test under As-Hg-Sb-Tl-Pb-Zn soil geochemistry

Geology logged by: K. Unger

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	4.57	4.57	OVB	OVB/casing, no recovery.
4.57	126.19	121.62	DST	Weathered, clay altered, broken breccia dolostone
126.19	129.60	3.41	FLT	Broken to shattered, Clay altered faulted dolostone
129.60	146.25	16.65	DST	Weakly weathered, solution breccia dolostone
146.25	149.09	2.84	FLT	Broken to shattered, Clay altered faulted dolostone
149.09	167.34	18.25	DST	Weakly weathered, solution breccia dolostone

SAMPLES	
Numbers:	<u>N832300 to N832370</u>
Total:	<u>71</u>
Batch:	<u>28, 31</u>
Date Sent:	_____
Certificate:	<u>WH12193302, WH12195699</u>

COMMENTS
Hole intersected structures at depth, broken and shattered, CLY altered DST with preserved sBX structures.

## CRAG EAST

Hole: CE-12-18

Logger Name: K. Unger

Date: Aug. 8, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other				
														Type	Intensity			Type			Conc. (%)	
0.00	4.57	4.57					OVB														Overburden/casing, no recovery.	
4.57	167.34	162.77					DST		MD	GY	BX			WEA	2						Medium to dark grey, variably solution brecciated and weathered dolostone. Core is blocky, generally in pieces 8 to 55 cm in length where weathering/clay alteration is weakest. Weathering is present as brown to red-brown staining on fracture faces and rubble, and clay seams. Core is easily broken with fingers where alteration is strongest, at times with black, irregular, pyrobitumen filled structures. Solution breccia is present as irregularly oriented, white-orange to white, coarse grained dolomite bodies to mottled, variably pitted blobs <3 cm in size, lined with dirty white dolomite. Weathering decreases with depth, present on open fractures and patchy staining of solution breccia structures.	
									DK	GY	BX			CLY	2							
			67.34	75.90	8.56		DST		MD	GY	BX			WEA	3						Medium grey to rusty brown, strongly weathered, solution breccia dolostone. Core is blocky to rubbly with narrow bands of brick-brown clay gouge up to 10 cm wide scattered with brown clay/powdery coatings lining fractures. Where weathering alteration is strongest, core is broken easily with fingers.	
										BN				CLY	3							
			126.19	129.60	3.41		FLT		DK	GY	BX			WEA	1						Dark to light grey, blocky to shattered, strongly clay altered, weakly weathered dolostone. Core is typically grit and rubble, with bands of strongly clay altered dolostone with solution breccia textures preserved, yet core crumbles where clay/shattering is strongest. Where clay alteration is strongest, core is easily broken by hand.	
									LT	GY	BX			CLY	4							
			146.25	149.09	2.84		FLT		DK	GY	BX			WEA	1						Dark to light grey, blocky to gritty/shattered, strongly clay altered, weakly weathered, dolostone. Core is typically grit and rubble with bands of strongly clay altered dolostone with preserved solution breccia structures. Though solution breccia textures are preserved, core is easily friable and breaks apart easily into grit by hand. Weak weathering is present as patchy rusty brown coatings on some open fractures.	
									LT	GY	BX			CLY	4							
			148.09	167.34	19.25		DST		DK	GY	BX			WEA	1						Dark to light grey, solution breccia dolostone with intermittent cavities with bladed dolomite and pyrobitumen. Core is solution brecciated throughout with irregular shaped open cavities up to 7 cm long with bladed, <2 mm wide bladed dolomite crystals lining cavity walls, or variably filled with black, brittle pyrobitumen. Open joints are weathered with brown to anomalous pistachio green coatings (As-oxide?).	
									LT	GY	BX			ASO	1							EOH, hole is past targeted depth, through targeted structures.



## CRAG EAST

Hole: CE-12-18

Logger Name: K. Unger

Date: Aug. 8th, 2012

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
FR	4.57	44.70	60.00	n/a				Preferential orientation to fractures in core, primarily 60 to 65 degrees to core axis, up to 20 per metre, with rusty brown coatings.	
FR	4.57	29.85	20.00	n/a				Secondary orientation to fractures, 20 degrees to core axis, 0 to 30 degrees to primary fracture orientation.	
BX	30.20	30.95	27.00	n/a				Weakly preferential orientation to mottled textures, 27 degrees to core axis, defined by orientation in mottled blebs or white-orange dolomite solution breccia textures and vugs.	
FR	44.70	63.55	75.00	n/a				Preferential orientation to fractures in core, 70-80 degrees to core axis with rusty brown to grey partings.	
FR	63.55	103.95	45.00	n/a				Preferential fracture orientation, 40-50 degrees to core axis, parallel to subparallel throughout, up to 18 per metre. Frequency decreases with depth, to 10-12/metre.	
FR	103.95	167.34	55.00	n/a				Preferential fracture orientation in core, 50-60 degrees to core axis, core is more competent, about 10 per metre.	
BX	153.85	165.00	30.00	n/a				Weakly preferential orientation to some solution breccia textures defined by zebra dolomite and bands up to 2.0 cm wide, 30-35 degrees to core axis, intermittent throughout.	



## CRAG EAST

Hole: CE-12-18

Date: Aug. 8th, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
4.57	5.79	1.22	1.22	100	N832300	28					3.7
5.79	8.84	3.05	2.85	93	N832301	28					11.6
		0.00		####	N832302	28				Blank	3.7
8.84	11.89	3.05	2.67	88	N832303	28					8.5
		0.00		####	N832304	28				Standard ME-8	0.3
11.89	14.94	3.05	2.55	84	N832305	28					8.0
14.94	17.98	3.04	2.73	90	N832306	28					8.0
17.98	21.03	3.05	2.40	79	N832307	28					7.4
21.03	24.08	3.05	2.47	81	N832308	28					7.2
24.08	27.13	3.05	3.05	100	N832309	28					10.1
27.13	30.18	3.05	2.58	85	N832310	28					8.7
30.18	33.22	3.04	2.70	89	N832311	28					8.0
33.22	36.27	3.05	2.66	87	N832312	28					8.7
36.27	39.32	3.05	2.96	97	N832313	28					9.8
39.32	42.37	3.05	2.92	96	N832314	28					8.8
42.37	45.42	3.05	2.62	86	N832315	28					7.6
45.42	48.46	3.04	2.99	98	N832316	28					10.2
48.46	51.51	3.05	2.63	86	N832317	28					10.1
51.51	54.56	3.05	3.01	99	N832318	28					10.2
54.56	57.61	3.05	2.98	98	N832319	28					9.6
57.61	60.66	3.05	2.99	98	N832320	28					9.4
60.66	63.70	3.04	3.04	100	N832321	28					9.2
		0.00		####	N832322	28				1/4 Duplicate	4.2
63.70	66.00	2.30	2.24	97	N832323	28					7.0
66.00	67.34	1.34	1.04	78	N832324	28					3.2
67.34	69.80	2.46	2.06	84	N832325	28					7.2
		0.00		####	N832326	28				Blank	4.8
69.80	72.85	3.05	2.87	94	N832327	28					7.6



## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
		0.00		####	N832328	28				Coarse Reject	
72.85	75.90	3.05	3.01	99	N832329	28					7.4
75.90	78.94	3.04	3.00	99	N832330	28					8.8
		0.00		####	N832331	28				Standard GS-8B	0.3
78.94	81.99	3.05	2.99	98	N832332	28					9.2
81.99	85.04	3.05	3.04	100	N832333	28					9.8
85.04	88.09	3.05	3.05	100	N832334	28					9.2
88.09	91.14	3.05	2.97	97	N832335	28					9.8
		0.00		####	N832336	31				Blank	3.6
91.14	94.18	3.04	3.04	100	N832337	31					10.0
		0.00		####	N832338	31				Coarse Reject	
94.18	97.23	3.05	3.05	100	N832339	31					10.0
97.23	100.28	3.05	3.05	100	N832340	31					9.8
100.28	103.33	3.05	2.98	98	N832341	31					9.6
103.33	106.38	3.05	3.05	100	N832342	31					10.2
106.38	109.42	3.04	2.96	97	N832343	31					9.0
109.42	112.47	3.05	2.97	97	N832344	31					9.2
112.47	115.52	3.05	2.99	98	N832345	31					9.6
115.52	118.57	3.05	2.93	96	N832346	31					9.0
118.57	121.62	3.05	2.86	94	N832347	31					8.6
121.62	124.66	3.04	2.87	94	N832348	31					9.0
		0.00		####	N832349	31				Standard ME-8	0.3
124.66	126.19	1.53	1.21	79	N832350	31					5.1
126.19	127.71	1.52	1.00	66	N832351	31					4.6
127.71	129.60	1.89	0.49	26	N832352	31					2.2
		0.00		####	N832353	31				Standard GS-8B	0.3
129.60	130.76	1.16	1.02	88	N832354	31					3.6
130.76	133.81	3.05	3.05	100	N832355	31					9.8
133.81	136.86	3.05	2.99	98	N832356	31					9.4
136.86	139.90	3.04	2.65	87	N832357	31					8.2
139.90	142.95	3.05	2.93	96	N832358	31					9.6

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
142.95	144.45	1.50	1.30	87	N832359	31					4.4
144.45	146.25	1.80	1.24	69	N832360	31					5.4
146.25	148.09	1.84	1.15	62	N832361	31					4.3
		0.00		####	N832362	31				Blank	4.6
148.09	149.05	0.96	0.96	100	N832363	31					3.0
149.05	152.10	3.05	2.63	86	N832364	31					8.1
152.10	155.14	3.04	3.01	99	N832365	31					8.2
155.14	158.19	3.05	2.97	97	N832366	31					9.1
		0.00		####	N832367	31				1/4 Duplicate	4.4
158.19	161.24	3.05	3.05	100	N832368	31					10.2
161.24	164.29	3.05	2.55	84	N832369	31					7.8
164.29	167.34	3.05	3.05	100	N832370	31				EOH	10.5

# CRAG EAST

Hole: CE-12-18

Tech Name: Mark Alban

Date: August 7, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION	
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering		
0.00	4.57	4.57		0		0												OVB, 15' casing
4.57	5.79	1.22	1.22	100	0.16	13	1	1	3S	3W	35	0.04	165	3	3R	3W		
5.79	8.84	3.05	2.85	93	0.14	5	2	1	3S	4W	50	inf		3	3R	4W		
8.84	11.89	3.05	2.67	88	0.78	26	2	1	3S	3W	60	inf		2	3R	4W		
11.89	14.94	3.05	2.55	84	1.01	33	2	1	3S	3W	40	inf		3	3R	4W		
14.94	17.98	3.04	2.73	90	1.00	33	2	1	3S	3W	40	0.05		3	3R	3W		
17.98	21.03	3.05	2.40	79	0.37	12	2	1	3S	3W	50	0.05		3	3R	4W		
21.03	24.08	3.05	2.47	81	0.53	17	2	1	3S	3W	65	0.04		3	3R	3W		
24.08	27.13	3.05	3.05	100	1.11	36	2	1	3S	3W	55	0.06		3	3R	3W		
27.13	30.18	3.05	2.58	85	0.98	32	2	1	3S	2W	65	0.05		3	3R	3W		
30.18	33.22	3.04	2.70	89	1.01	33	2	1	3S	3W	65	0.05		3	3R	3W		
33.22	36.27	3.05	2.66	87	1.01	33	3	1	3S	2W	55	inf		3	3R	3W		
36.27	39.32	3.05	2.96	97	1.97	65	3	2	3S	2W	35	0.11		3	3R	3W		
39.32	42.37	3.05	2.92	96	1.36	45	2	2	3S	2W	55	0.09		2	3R	3W		
42.37	45.42	3.05	2.62	86	0.60	20	2	2	3S	2W	55	0.05		3	3R	4W		
45.42	48.46	3.04	2.99	98	1.74	57	1	1	3S	1W	50	0.09		2	3R	2W		
48.46	51.51	3.05	2.63	86	1.93	63	1	1	4S	1W	65	0.1		2	3R	2W		
51.51	54.56	3.05	3.01	99	2.38	78	1	1	3S	1W	70	0.13		2	3R	2W		
54.56	57.61	3.05	2.98	98	2.00	66	2	1	4S	1W	60	0.1		1	2R	2W		
57.61	60.66	3.05	2.99	98	1.64	54	1	1	3S	1W	60	0.09		1	2R	2W		
60.66	63.70	3.04	3.04	100	1.63	54	1	1	3S	2W	50	0.08		1	2R	3W		
63.70	66.75	3.05	2.85	93	1.03	34	1	1	3S	3W	50	0.06	20	1	2R	5W		
66.75	69.80	3.05	2.83	93	0.89	29	1	1	3S	3W	50	0.07	150	2	3R	5W		
69.80	72.85	3.05	2.87	94	1.12	37	1	1	2S	4W	50	INF	80	2	3R	5W		
72.85	75.90	3.05	3.01	99	1.16	38	1	1	4S	3W	60	INF		2	3R	4W		
75.90	78.94	3.04	3.00	99	2.60	86	2	1	3S	2W	50	INF		2	3R	3W		
78.94	81.99	3.05	2.99	98	1.80	59	1	1	2S	2W	50	0.1		2	3R	3W		
81.99	85.04	3.05	3.04	100	2.47	81	1	1	3S	1W	70	0.14		2	3R	2W		
85.04	88.09	3.05	3.05	100	2.56	84	0	1	4S	1W	60	0.15		2	3R	1W		
88.09	91.14	3.05	2.97	97	2.33	76	1	1	3S	1W	60	0.11		2	3R	2W		
91.14	94.18	3.04	3.04	100	2.08	68	1	1	3S	2W	70	0.1		2	3R	2W		

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)		HCI Reactivity		Hardness		Strength		Weathering		Joint Sets						DESCRIPTION
															Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
94.18	97.23	3.05	3.05	100	2.20	72	3	1	3S	2W	50	0.11	15	2	3R	3W					
97.23	100.28	3.05	3.05	100	2.86	94	2	1	4S	2W	40	0.17		2	3R	2W					
100.28	103.33	3.05	2.98	98	1.99	65	2	1	4S	3W	60	0.11		2	3R	4W					
103.33	106.38	3.05	3.05	100	1.67	55	3	1	4S	3W	50	0.09		2	3R	3W					
106.38	109.42	3.04	2.96	97	1.65	54	3	1	3S	3W	50	0.09		2	3R	3W					
109.42	112.47	3.05	2.97	97	1.90	62	2	1	3S	3W	40	0.1		2	3R	4W					
112.47	115.52	3.05	2.99	98	2.41	79	2	1	4S	2W	50	0.14	20	2	3R	3W					
115.52	118.57	3.05	2.93	96	2.42	79	4	1	3S	2W	50	0.13		2	3R	2W					
118.57	121.62	3.05	2.86	94	1.42	47	1	1	3S	2W	40	0.07	50	2	3R	2W					
121.62	124.66	3.04	2.87	94	1.78	59	1	1	4S	1W	50	0.09		2	3R	3W					
124.66	127.71	3.05	2.62	86	0.34	11	1	1	2S	4W	60	INF	100	2	3R	5W					
127.71	130.76	3.05	1.68	55	0.56	18	3	1	1S	5W	60	INF		2	3R	5W					
130.76	133.81	3.05	3.05	100	1.97	65	2	1	3S	4W	60	0.85	20	2	3R	5W					
133.81	136.86	3.05	2.99	98	1.94	64	2	1	3S	3W	40	0.1		2	3R	3W					
136.86	139.90	3.04	2.65	87	2.17	71	1	1	3S	2W	50	0.09		2	3R	3W					
139.90	142.95	3.05	2.93	96	1.05	34	1	1	2S	4W	60	INF	100	1	3R	5W					
142.95	146.00	3.05	2.62	86	0.76	25	2	1	3S	5W	60	INF	30	1	3R	5W					
146.00	149.05	3.05	2.21	72	0.68	22	3	1	1S	5W	60	250	250	1	3R	5W					
149.05	152.10	3.05	2.63	86	0.80	26	1	1	3S	4W	50	70	70	2	3R	5W					
152.10	155.14	3.04	3.01	99	1.58	52	1	1	4S	3W	50	0.08		1	3R	3W					
155.14	158.19	3.05	2.97	97	2.15	70	2	1	5S	2W	70	0.12	10	1	3R	2W					
158.19	161.24	3.05	3.05	100	2.80	92	2	1	3S	2W	60	0.16		2	3R	3W					
161.24	164.29	3.05	2.55	84	1.84	60	1	1	2S	3W	60	0.16		1	2R	3W					
164.29	167.34	3.05	3.05	100	2.90	95	1	1	3S	2W	60	0.14		1	2R	2W					





## CRAG EAST

Hole: CE-12-18

Date: August

Box #	From (m)	To (m)
1	4.57	7.15
2	7.15	9.81
3	9.81	13.04
4	13.04	16.58
5	16.58	20.18
6	20.18	24.08
7	24.08	27.29
8	27.29	31.34
9	31.34	35.03
10	35.03	38.94
11	38.94	42.78
12	42.78	46.80
13	46.80	50.73
14	50.73	54.72
15	54.72	58.54
16	58.54	62.15
17	62.15	65.88
18	65.88	69.70
19	69.70	73.22
20	73.22	76.58
21	76.58	80.27
22	80.27	84.23
23	84.23	88.17
24	88.17	92.21
25	92.21	96.30
26	96.30	100.28
27	100.28	104.41
28	104.41	108.34
29	108.34	112.47

## CRAG EAST

30	112.47	116.62
31	116.62	120.45
32	120.45	124.21
33	124.21	128.71
34	128.71	132.76
35	132.76	136.80
36	136.80	141.03
37	141.03	144.44
38	144.44	148.87
39	148.87	152.93
40	152.93	157.14
41	157.14	161.24
42	161.24	165.44
43	165.44	167.34
EOH		



## CRAG EAST

### CE-12-18

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
49	14.94	193.5	218.5	-45.5	57160	78.8	1.003	44.2	30.1	213.3	-0.54	9/8/2012 10:58
99	30.18	193.9	218.9	-45.5	57165	78.7	1.003	44.2	34.8	218	-0.88	9/8/2012 10:53
149	45.42	194.5	219.5	-45.3	57125	78.8	1.003	43.3	31	214.4	-1.07	9/8/2012 10:47
199	60.66	194.7	219.7	-44.8	57165	78.8	1.003	43.3	37.7	221.1	-1.2	9/8/2012 10:41
249	75.90	195.6	220.6	-44.8	57177	78.8	1.004	43.3	44.2	227.8	-0.7	9/8/2012 10:36
299	91.14	196.1	221.1	-44.8	57192	78.8	1.004	44.2	46.9	230.7	-0.75	9/8/2012 10:26
349	106.38	196.6	221.6	-44.7	57223	78.8	1.004	45.1	50.4	234.2	-1.64	9/8/2012 10:20
399	121.62	197.8	222.8	-44.7	57234	78.8	1.004	46.8	54.5	238.6	-0.26	9/8/2012 10:04
449	136.86	197.9	222.9	-44.7	57273	78.8	1.005	47.8	60.5	244.6	-0.3	9/8/2012 9:58
499	152.10	197.8	222.8	-44.6	57292	78.7	1.004	48	62.7	246.8	-0.31	9/8/2012 9:52
549	167.34	197.6	222.6	-44.5	57464	78.7	1.005	48.7	108.7	292.8	0	9/8/2012 9:43

# Crag East

**ZONE:** Merlot

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		616781.691	7106472.340	1118.523	203.30

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-19

**CLAIM:** Crag 428/ Crag East 3

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0	72	-45	Compass				
50.90	71.6	-45.9	Ranger Survey				
127.10	72.3	-46.8	Ranger Survey				
203.30	74.3	-47.4	Ranger Survey				

Contractor: Platinum

Drill: A5

Core size: NQ Reduced at: \_\_\_\_\_ (m)

Casing depth: 4.04 (m) in / **out**

Drilling dates: \_\_\_\_\_ Aug. 9-11, 2012

**TARGET:** \_\_\_\_\_

Geology logged by: H. Friday

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	4.04	4.04	OVB	Overburden/casing, no recovery
4.04	14.51	10.47	LST/SLT	Interbedded siltstone and brecciated to bedded limestone.
14.51	18.62	4.11	SLT	Well bedded siltstone with quartz sand layers through.
18.62	30.38	11.76	LST	Well bedded limemudstone to siltstone.
30.38	37.57	7.19	LST	Brecciated to bedded limestone.
37.57	45.77	8.20	SLT	Maroon and green to grey well bedded siltstone.
45.77	76.99	31.22	SLT	Interbedded siltstone and quartz sand.
76.99	203.30	126.31	DST	Bedded to brecciated to mottled dolostone with a few small debris flow units throughout.

SAMPLES
Numbers: <u>M400708 to M400804</u>
Total: <u>97</u>
Batch: <u>29, 30 and 32</u>
Date Sent: _____
Certificate: <u>WH12193303, WH12193304, WH12196520</u>

COMMENTS
Hole targeting 22 ppb Au soil anomaly at margin of As soil anomaly, proximal prominent gully, possibly a south dipping fault. Hole intersected rubbly patches throughout limestone, dolostone and fine sediment layers. No mineralization or favorable alteration was noted.

### Crag East

Hole: CE-12-19

Logger Name: H. Friday

Date: Aug. 10, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION			MINERALS				Photo	DETAILED DESCRIPTION			
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar			Other		
														Type	Intensity					Type	Conc. (%)	
0.00	4.04	4.04					OVB														Overburden/casing, no recovery	
4.04	14.51	10.47					LST/ SLT															Interbedded siltstone and brecciated to bedded limestone.
			4.04	14.51	10.47		LST/ SLT	FG	DK MD	GY	BD BX RB SH	1		CLY	2							Dark to medium grey interbedded siltstone and limestone. Limestone bedded to brecciated. Interval has large 1.00 m segments of rubble with minor 20cm segments throughout. Calcite and dolomite stringers throughout generating breccia texture in limestone. Clay alteration seen on fracture surfaces with oxidation seen on select fracture surfaces. Localized shear seen.
14.51	18.62	4.11					SLT															Well bedded siltstone with quartz sand layers throughout.
			14.51	18.62	4.11		SLT	FG	DK MD	GY	BD SH	11										Dark to medium grey well bedded siltstone with quartz sand layers throughout. Quartz sand layers typical 0.5-1 cm thick and often a light grey-brown colour. Localized shear and deformation of bedding seen throughout. A few small calcite stringers throughout (10 per interval) typically low angle to core axis (25 degrees). Weak oxidation seen on select fracture surfaces.
18.62	30.38	11.76					LST															Well bedded lime-mudstone to siltstone.
			18.62	30.38	11.76		LST	vFG	DK	GY	BD SH	11										Dark grey well bedded lime-mudstone to siltstone. Interval variably calcareous. Moderate shearing seen throughout. A few small calcite veinlets seen (20 per interval). Typically close in angle to bedding. Mild clay alteration seen on some fracture surfaces. Very fine grained dull blebby pyrite seen throughout.
30.38	37.57	7.19					LST															Brecciated to bedded limestone.
			30.38	33.50	3.12		LST	FG	LT MD	GY	BX											Light to medium grey brecciated limestone. Brecciation generated from calcite stringers throughout and thin black seams. Upper contact bounded by a 5 cm thick calcite vein, lower contact bounded by a 2 cm thick calcite vein -- both at 40 degrees to core axis.

### Crag East

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other			
														Type	Intensity			Type			Conc. (%)
			33.50	37.57	4.07		LST	FG	MD DK	GY	BX BD SH	1				0.01					
37.57	68.22	30.65					SLT														Maroon and green to grey well bedded siltstone.
			37.57	45.77	8.20		SLT	vFG	LT MD	MR GN GY	BD SH			BLE CLY	2 1						Light maroon to green to light grey well bedded mudstone. Mild shearing seen locally throughout, typically accompanied by an increase in quartz-calcite veins and veinlets. Dark grey seams also seen throughout, typically along bedding planes. Quartz-calcite stringers seen throughout, typically at 10 per metre. Interval moderately bleached with mild clay alteration seen on select fracture surfaces. Sheared contact into grey siltstone.
			45.77	68.22	22.45		SLT	vFG	LT MD	GY	BD SH	1				0.01					Light to medium grey well bedded siltstone with small 1.00 m segments of bleached maroon and green siltstone. Small 10 cm segments of shear seen throughout with a larger shear zone from 50.02-53.55 m. Rare calcite veinlets throughout (~1 every 2 metres) but in heavily sheared zones at 10-20 per metre, including calcite floods in the shear zones. Occasional 2-5 mm thick sandy layers closer to lower contact. Trace fine grained pyrite seen along bedding plane.
68.22	76.99	8.77					SLT														Interbedded siltstone and quartz sand.
			68.22	71.17	2.95		SLT	FG	LT MD	GY	BD			CLY	1	0.01					Light to medium grey interbedded siltstone and light grey quartz sand beds. Sand beds typically 0.5-1 cm thick with the occasional 20 cm thick bed. Black/dark grey seams throughout the quartz sand. Dolomite and quartz stringers throughout. Weak clay alteration seen on select fracture surfaces. Trace fine grained bright pyrite seen along bedding planes in the siltstone.
			71.17	76.99	5.82		SLT	FG	LT MD	GY	SH BD			CLY	1						Light to mid grey moderately to intensely sheared interbedded siltstone and quartz sand. Quartz sand typically has a calcareous matrix and some limey layers seen throughout the siltstone. Broken and sheared dolomite veins throughout. Weak clay alteration seen on select fracture surfaces. A few dolomite veinlets/veins seen in shear zones - with shear bands throughout and rough edges.

### Crag East

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other				
														Type	Intensity			Type			Conc. (%)	
76.99	203.30	126.31			0.00		DST															
			76.99	80.34	3.35		DST	FG	MD	GY	BD BX		1									Medium grey bedded to mildly brecciated dolostone. Small calcite and dolomite stringers throughout generating mild zones of breccia. Weak oxidation seen on select fracture surfaces.
			80.34	93.57	13.23		DST	FG	LT MD	GY TN	BD BX DB SH		2	CLY		1						Light to medium grey to tan bedded to brecciated to debris flow dolostone. Dolomite veinlets throughout - typically vuggy and light peach to white in colour. Dark seamlets throughout generating breccia locally. Debrite has angular to subangular clasts in a dark grey matrix. Grey-brown to orange-brown oxidation seen on fracture surfaces throughout, and occasionally enveloping fractures. Clay alteration seen minorly on select fracture surfaces. Small 30 cm segments of rubble throughout. Shear seen locally. A few silty beds throughout the dolostone.
			93.57	101.35	7.78		DST	FG	MD	GY TN	RB BX		2	CLY		1						Medium grey to tan dolostone. Minor breccia seen throughout generated by dolomite stringers and dark grey seamlets. Entire interval rubble to highly fractured. veinlets and veins vuggy typically with oxidation on vug surfaces. Oxidation seen on select fracture surfaces throughout, as well as minor clay alteration (fault?).
			101.35	126.97	25.62		DST	FG	LT MD	GY	BD MO BX		1									Light to medium grey bedded to mottled dolostone with small segments of minor breccia. Mottled dolostone has 1-4 mm subrounded clasts of dolomite in a grey dolostone matrix. Dolomite veinlets, veins and stringers throughout locally generating mild breccia textures. Small 10 cm segments of zebra dolomite. >1 cm dolomite veins typically have pinkish colouration and staining around edges. Weak oxidation seen on some fracture surfaces.
			126.97	129.57	2.60		DST	FG	LT MD	GY	RB BX		2	CLY		1						Light to mid grey mildly brecciated dolostone. Entire interval rubble. Dolomite stringers and veins throughout generating mild breccia. Moderate oxidation seen on fracture surfaces, as well as weak clay alteration. Rubble is angular (fault?).

### Crag East

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY						ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION								
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other											
														Type	Intensity			Type	Conc. (%)										
			129.57	145.39	15.82		DST	FG	LT MD	GY BD BX		1		CLY	1														
			145.39	161.54	16.15		DST	FG	LT DK	GY BX MO BD																			Light to dark grey brecciated to mottled dolostone. Small 20 cm segments of well bedded dolostone with silty beds throughout. Breccia ranges from angular tectonic breccia to crackle breccia generated from dolostone veinlets and stringers throughout. Mottled dolostone has white dolomite blebs throughout. Calcite veins/veinlets/stringers and floods throughout entire interval at 20-30 per metre. Dissolution seams infrequently throughout, often seen with calcite floods.
			161.54	163.21	1.67		DST	FG	LT MD	GY BD		1																	Light to medium grey well bedded dolostone with a few small (1-5 mm) siltstone beds throughout. Dolomite veinlets seen typically along bedding planes. Weak oxidation seen on select fracture surfaces.
			163.21	169.77	6.56		DST	FG	LT MD	GY MO																			Light to medium grey mottled dolostone. Mottled texture generated by small 1-5 mm subrounded dolomite blebs throughout. Larger 1-2 cm dolomite blebs also seen throughout in addition to a few (2 per metre) dolomite veinlets.
			169.77	203.30	33.53		DST	FG	LT DK	GY BX MO																			Light to dark grey brecciated to mottled to bedded dolostone. Small 1-2 cm thick silty beds seen in bedded segments. Breccia generated by extensive dolomite veinlets/veins/stringers and floods throughout (20 per metre) as well as a few small dissolution seams. Mottled dolostone has white dolomite blebs throughout. Dolomite veining often seen along bedding plane.
				EOH							BD																		EOH, hole intersected rubbly faulted zones in dolostone. No mineralization or favorable alteration seen.



## Crag East

Hole: CE-12-19

Logger Name: H. Friday

Date: Aug. 10, 2012

2° Structure Type	From (m)	To (m)	Attitude (TCA)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
VN	12.53	-	40.00	0.00	1.00	Ca		1.2cm thick sheared calcite vein. Shear bands seen throughout. Weakly oxidized.	
VN	20.64	23.77	70.00	0.00	2.00	Ca		2.3cm thick calcite veins. White, planar. Often clay alteration seen around them.	
VN	30.29	30.38	40.00	-	1.00	Ca		10cm thick sheared calcite vein. Shear bands throughout.	
VN	33.50	-	40.00	-	1.00	Ca		2cm thick sheared calcite vein. Shear bands throughout.	
VN	35.12	36.34	40.00	-	3.00	Ca		1-3cm thick planar, white calcite veins.	
VN	40.10	42.39	-	-	7.00	Ca		3 20cm thick calcite-quartz floods. Randomly oriented contacts, quite undulatory.	
VN	44.94	45.24	-	-	1.00	Qz		Quartz-calcite flood vein at shallow angle to core axis.	
VN	48.06	48.18	-	-	1.00	Ca		Sheared calcite flood. Shear bands seen throughout.	
VN	49.24	-	50.00	180.00	1.00	Qz		2.1cm thick quartz vein. Vuggy. Slight oxidation seen around the edges where there is a 1-2mm rim of dolomite.	
VT/VN	50.02	53.55	-	-	-	Ca		Shear zone, with intense calcite veinlets, veins, floods. See log.	
VN	62.72	62.93	30.00	270.00	1.00	Qz		Quartz-dolomite vein, generating breccia of the siltstone. Angular siltstone clasts throughout.	
RBL	93.57	101.35	-	-	1.00			Rubble zone. See log.	
VT/VN	104.92	111.16	80.00	0.00	20/m	DI		White to grey 2mm - 1cm thick dolomite veinlet/vein. Typically sparry with dark grey infill. Along bedding planes.	
VT/VN	117.59	117.74	60.00	0.00	5.00	DI		0.5 to 2cm thick dolomite veins/veinlets. Uneven edges into dolostone, typically 1mm rim of greyish-oxidized dolostone.	
VN	120.25	122.09	70.00	0.00	18.00	DI		0.5 to 5cm thick grey to pink sparry dolomite vein with lighter grey to white infill. Following bedding.	
RBL	126.97	129.57	-	-	1.00			Rubble zone. See log.	





## Crag East

Hole: CE-12-19

Date: Aug. 10, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
4.04	5.18	1.14	1.02	89	M400708	29					2.0
5.18	8.23	3.05	2.86	94	M400709	29					5.6
8.23	11.28	3.05	2.84	93	M400710	29					6.0
11.28	13.17	1.89	1.79	95	M400711	29					1.0
-	-	-	-	-	M400712	29				Blank	2.4
13.17	14.51	1.34	1.33	99	M400713	29					2.0
14.51	16.55	2.04	2.04	100	M400714	29					5.0
16.55	18.62	2.07	2.06	100	M400715	29					4.4
18.62	20.43	1.81	1.41	78	M400716	29					2.8
20.43	23.47	3.04	2.85	94	M400717	29					6.7
-	-	-	-	-	M400718	29				Standard GS-1G	0.3
23.47	26.52	3.05	2.91	95	M400719	29					6.0
26.52	29.57	3.05	3.00	98	M400720	29					8.0
29.57	30.38	0.81	0.75	93	M400721	29					1.7
30.38	31.71	1.33	1.33	100	M400722	29					2.4
31.71	33.50	1.79	1.78	99	M400723	29					3.7
31.71	33.50	1.79	1.78	99	M400724	29				1/4 Duplicate	4.0
33.50	35.66	2.16	2.16	100	M400725	29					4.0
35.66	37.57	1.91	1.91	100	M400726	29					3.6
37.57	38.71	1.14	1.01	89	M400727	29					1.7
38.71	41.76	3.05	2.87	94	M400728	29					7.0
-	-	-	-	-	M400729	29				Coarse Reject Duplicate	
41.76	44.81	3.05	3.05	100	M400730	29					7.0
44.81	45.77	0.96	0.90	94	M400731	29					1.8
-	-	-	-	-	M400732	29				Blank	3.4
45.77	47.85	2.08	2.08	100	M400733	29					4.6
47.85	50.04	2.19	2.19	100	M400734	30					5.2
50.04	50.90	0.86	0.86	100	M400735	30					3.0

## Crag East

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
50.90	53.95	3.05	3.05	100	M400736	30					7.8
53.95	57.00	3.05	3.05	100	M400737	30					7.8
53.95	57.00	3.05	3.05	100	M400738	30				1/4 Duplicate	3.6
57.00	60.05	3.05	2.91	95	M400739	30					7.6
60.05	63.09	3.04	3.04	100	M400740	30					8.0
63.09	66.14	3.05	3.05	100	M400741	30					7.8
66.14	68.22	2.08	1.95	94	M400742	30					5.2
68.22	71.17	2.95	2.79	95	M400743	30					7.4
71.17	72.24	1.07	1.07	100	M400744	30					3.2
72.24	75.29	3.05	2.97	97	M400745	30					7.6
-	-	-	-	-	M400746	30				Blank	4.0
75.29	76.99	1.70	1.70	100	M400747	30					4.6
76.99	78.33	1.34	1.32	99	M400748	30					2.8
-	-	-	-	-	M400749	30				Standard GS-8B	0.3
78.33	80.34	2.01	2.00	100	M400750	30					5.0
80.34	81.38	1.04	1.01	97	M400751	30					1.6
81.38	84.43	3.05	2.96	97	M400752	30					6.4
84.43	87.48	3.05	3.04	100	M400753	30					6.6
-	-	-	-	-	M400754	30				Blank	3.4
87.48	90.53	3.05	2.58	85	M400755	30					5.6
-	-	-	-	-	M400756	30				Standard GS-4D	0.3
90.53	93.57	3.04	2.90	95	M400757	30					6.8
93.57	96.62	3.05	1.81	59	M400758	30					3.2
96.62	99.67	3.05	1.56	51	M400759	30					2.2
99.67	101.35	1.68	0.96	57	M400760	30					1.2
101.35	102.72	1.37	1.32	96	M400761	30					2.8
102.72	105.77	3.05	3.05	100	M400762	30					7.8
-	-	-	-	-	M400763	30				Coarse Reject Duplicate	
105.77	108.81	3.04	3.03	100	M400764	30					6.7
108.81	111.86	3.05	3.05	100	M400765	30					7.4
111.86	114.91	3.05	3.04	100	M400766	30					7.6

## Crag East

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
114.91	117.96	3.05	3.04	100	M400767	30					5.4
117.96	121.01	3.05	2.92	96	M400768	30					7.2
121.01	124.05	3.04	2.88	95	M400769	30					7.0
124.05	126.97	2.92	2.90	99	M400770	32					7.7
126.97	129.57	2.60	2.58	99	M400771	32					6.0
129.57	131.38	1.81	1.79	99	M400772	32					4.8
131.38	133.20	1.82	1.81	99	M400773	32					5.0
131.38	133.20	1.82	1.81	99	M400774	32				1/4 Duplicate	2.1
133.20	136.25	3.05	3.02	99	M400775	32					8.6
136.25	139.29	3.04	3.05	100	M400776	32					8.4
139.29	142.34	3.05	3.03	99	M400777	32					8.6
142.34	145.39	3.05	3.05	100	M400778	32					8.4
-	-	-	-	-	M400779	32				Blank	3.2
145.39	148.44	3.05	3.05	100	M400780	32					8.3
148.44	151.49	3.05	3.05	100	M400781	32					8.2
151.49	154.53	3.04	3.04	100	M400782	32					8.8
154.53	157.58	3.05	3.05	100	M400783	32					8.6
-	-	-	-	-	M400784	32				Standard GS-4D	0.3
157.58	160.63	3.05	2.96	97	M400785	32					8.0
160.63	161.54	0.91	0.89	98	M400786	32					2.5
161.54	163.21	1.67	1.67	100	M400787	32					4.5
163.21	165.00	1.79	1.73	97	M400788	32					4.8
165.00	166.73	1.73	1.73	100	M400789	32					5.2
166.73	169.77	3.04	2.86	94	M400790	32					7.8
169.77	172.82	3.05	3.05	100	M400791	32					7.0
172.82	175.87	3.05	3.05	100	M400792	32					8.6
175.87	178.92	3.05	3.05	100	M400793	32					8.5
178.92	181.97	3.05	3.05	100	M400794	32					8.6
181.97	185.01	3.04	3.03	100	M400795	32					8.2
-	-	-	-	-	M400796	32				Coarse Reject Duplicate	
185.01	188.06	3.05	3.05	100	M400797	32					8.6
188.06	191.11	3.05	3.05	100	M400798	32					8.3

## Crag East

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
-	-	-	-	-	M400799	32				Standard GS-8B	0.3
191.11	194.16	3.05	3.03	99	M400800	32					8.6
194.16	197.21	3.05	3.04	100	M400801	32					8.2
197.21	200.25	3.04	3.03	100	M400802	32					8.0
-	-	-	-	-	M400803	32				Blank	4.0
200.25	203.30	3.05	2.99	98	M400804	32					8.5

## Crag East

Hole: CE-12-19

Tech Name: Mark Alban

Date: August 10, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION	
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering		
0.00	4.04	4.04	0.00	0	0.00	0												OVB
4.04	5.18	1.14	1.02	89	0.46	40	0	1	4S	2W	65	0.1	25	3	3R	2W		
5.18	8.23	3.05	2.86	94	1.63	53	0	1	4S	1W	45	0.09	50	2	3R	2W		
8.23	11.28	3.05	2.84	93	1.06	35	1	1	2S	1W	60	0.06		2	3R	2W		
11.28	14.33	3.05	2.91	95	1.01	33	1	1	2S	1W	45	0.08		2	3R	2W		
14.33	17.37	3.04	3.04	100	0.94	31	1	1	2S	1W	50	0.07	150	2	3R	2W		
17.37	20.42	3.05	2.73	90	0.81	27	2	1	2S	1W	60	0.07		2	3R	1W		
20.42	23.47	3.05	2.85	93	1.00	33	3	1	2S	1W	40	0.08		2	3R	1W		
23.47	26.52	3.05	2.91	95	1.88	62	3	1	3S	1W	60	0.11		2	3R	1W		
26.52	29.57	3.05	3.00	98	2.31	76	0	1	3S	1W	45	0.14		2	3R	1W		
29.57	32.61	3.04	2.96	97	2.20	72	4	2	4S	1W	30	0.14		3	3R	1W		
32.61	35.66	3.05	3.05	100	1.92	63	3	2	4S	1W	40	0.11		2	3R	1W		
35.66	38.71	3.05	2.90	95	1.60	52	3	2	3S	1W	40	0.09		2	3R	2W		
38.71	41.76	3.05	2.87	94	1.34	44	0	1	3S	1W	30	0.08		2	2R	1W		
41.76	44.81	3.05	3.05	100	2.79	91	0	1	3S	1W	45	0.15		2	2R	1W		
44.81	47.85	3.04	3.04	100	2.84	93	0	1	3S	1W	40	0.19		2	2R	2W		
47.85	50.90	3.05	2.98	98	2.28	75	0	1	3S	1W	50	0.15		2	3R	2W		
50.90	53.95	3.05	3.05	100	2.41	79	0	1	3S	1W	50	0.14	3	2	3R	2W		
53.95	57.00	3.05	3.05	100	2.84	93	0	1	3S	1W	30	0.23		2	2R	2W		
57.00	60.05	3.05	2.91	95	2.43	80	0	1	3S	1W	50	0.16		1	2R	2W		
60.05	63.09	3.04	3.04	100	2.50	82	0	1	3S	1W	55	0.15		1	2R	1W		
63.09	66.14	3.05	3.05	100	2.34	77	0	1	3S	1W	60	0.11		2	2R	1W		
66.14	69.19	3.05	2.96	97	2.19	72	0	1	4S	1W	70	0.13		2	2R	1W		
69.19	72.24	3.05	2.99	98	2.65	87	0	1	3S	1W	60	0.08	20	2	2R	1W		
72.24	75.29	3.05	2.97	97	2.42	79	0	1	3S	1W	65	0.16		2	2R	1W		
75.29	78.33	3.04	3.03	100	2.69	88	0	1	3S	1W	30	0.18		2	2R	1W		
78.33	81.38	3.05	2.95	97	1.72	56	0	1	3S	2W	70	0.11		3	3R	3W		
81.38	84.43	3.05	2.96	97	1.69	55	0	1	3S	2W	75	0.09		3	3R	3W		
84.43	87.48	3.05	3.04	100	0.77	25	0	1	3S	2W	55	0.06		2	3R	3W		
87.48	90.53	3.05	2.58	85	1.31	43	0	1	4S	2W	35	0.07		3	3R	2W		
90.53	93.57	3.04	2.90	95	1.67	55	0	1	4S	1W	25	0.11		2	3R	2W		

### Crag East

From (m)	To (m)	Interval (m)	Recovery (m)		RQD (m)		HCI Reactivity		Hardness		Strength		Weathering		Joint Sets						DESCRIPTION
			Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering					
93.57	96.62	3.05	1.81	59	0.72	24	0	1	3S	1W	65	inf		2	3R	2W	rubbly				
96.62	99.67	3.05	1.56	51	0.48	16	0	1	3S	2W	60	inf		3	3R	2W					
99.67	102.72	3.05	2.21	72	0.63	21	0	1	3S	2W	55	inf		3	3R	2W					
102.72	105.77	3.05	3.05	100	2.33	76	0	1	3S	1W	65	0.11		2	2R	1W					
105.77	108.81	3.04	3.03	100	2.44	80	1	1	3S	1W	75	0.17		2	2R	1W					
108.81	111.86	3.05	3.05	100	2.56	84	1	1	3S	1W	70	0.22		2	2R	1W					
111.86	114.91	3.05	3.04	100	2.57	84	1	1	3S	1W	65	0.17		2	2R	2W					
114.91	117.96	3.05	3.04	100	2.45	80	1	1	3S	1W	65	0.15		2	2R	2W					
117.96	121.01	3.05	2.92	96	1.78	58	1	1	3S	1W	40	0.1		2	2R	2W					
121.01	124.05	3.04	2.88	95	1.90	63	1	1	3S	1W	50	0.09		2	2R	1W					
124.05	127.10	3.05	3.01	99	2.17	71	1	1	3S	1W	70	0.13		2	3R	2W					
127.10	130.15	3.05	2.63	86	0.72	24	1	1	3S	3W	55	inf		3	3R	3W					
130.15	133.20	3.05	3.00	98	2.82	92	1	1	3S	1W	70	0.18		2	3R	1W					
133.20	136.25	3.05	3.05	100	2.96	97	1	1	3S	1W	50	0.25		2	3R	1W					
136.25	139.29	3.04	3.02	99	2.69	88	1	1	3S	1W	45	0.19		2	3R	1W					
139.29	142.34	3.05	3.05	100	2.43	80	1	1	4S	1W	75	0.18		2	3R	1W					
142.34	145.39	3.05	3.03	99	2.67	88	1	1	3S	1W	70	0.18		3	3R	1W					
145.39	148.44	3.05	3.05	100	2.76	90	2	1	3S	1W	40	0.22		2	3R	1W					
148.44	151.49	3.05	3.05	100	2.91	95	3	1	3S	1W	65	0.2		2	3R	1W					
151.49	154.53	3.04	3.04	100	2.97	98	2	1	3S	1W	60	0.22		2	2R	1W					
154.53	157.58	3.05	3.05	100	3.05	100	1	1	3S	1W	50	0.28		2	2R	1W					
157.58	160.63	3.05	2.96	97	2.75	90	1	1	3S	1W	60	0.2		2	2R	1W					
160.63	163.68	3.05	3.05	100	2.54	83	1	1	3S	1W	70	0.12		2	2R	1W					
163.68	166.73	3.05	3.05	100	2.69	88	1	1	3S	1W	50	0.16		2	2R	1W					
166.73	169.77	3.04	2.86	94	2.32	76	1	1	3S	1W	60	0.11		2	3R	1W					
169.77	172.82	3.05	3.05	100	2.77	91	1	1	3S	1W	65	0.15		2	3R	1W					
172.82	175.87	3.05	3.05	100	2.49	82	1	1	3S	1W	60	0.18		2	3R	1W					
175.87	178.92	3.05	3.05	100	2.62	86	1	1	3S	1W	55	0.19		2	2R	1W					
178.92	181.97	3.05	3.05	100	2.79	91	2	1	3S	1W	60	0.22		2	2R	1W					
181.97	185.01	3.04	3.03	100	2.88	95	1	1	3S	1W	60	0.23		2	2R	1W					
185.01	188.06	3.05	3.05	100	3.05	100	1	1	3S	1W	65	0.38		2	2R	1W					
188.06	191.11	3.05	3.05	100	2.93	96	1	1	3S	1W	65	0.28		2	2R	1W					
191.11	194.16	3.05	3.03	99	3.01	99	1	1	3S	1W	70	0.25		2	2R	1W					
194.16	197.21	3.05	3.04	100	2.92	96	1	1	3S	1W	55	0.2		2	2R	1W					





# Crag East

Hole: CE-12-19

Date: Aug. 10, 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
2	-	-	OVB
4	-	-	OVB
6	-	-	BX
8	BD	60	
10	BD	65	
12	BD	50	
14	BD	60	
16	BD	70	
18	BD	75	
20	BD	50	
22	BD	50	
24	BD	30	
26	BD	70	
28	BD	60	
30	BD	40	
32	-	-	BX
34	-	-	BX
36	-	-	BX
38	BD	40	
40	BD	40	
42	BD	50	
44	BD	80	
46	BD	40	
48	BD	75	
50	BD	60	
52	BD	50	
54	BD	30	

## Crag East

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
56	BD	50	
58	BD	65	
60	BD	75	
62	BD	70	
64	BD	70	
66	BD	70	
68	BD	80	
70	BD	65	
72	-	-	BX
74	BD	40	
76	BD	90	
78	BD	70	
80	BD	70	
82	-	-	BX
84	-	-	BX
86	-	-	RBL
88	-	-	RBL
90	BD	75	
92	-	-	BX
94	BD	60	
96	-	-	RBL
98	-	-	BX
100	-	-	RBL
102	BD	80	
104	BD	80	
106	BD	70	
108	BD	85	
110	BD	70	
112	-	-	BX

## Crag East

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
114	BD	60	
116	BD	65	
118	-	-	BX
120	-	-	Mottled
122	BD	60	
124	-	-	BX
126	BD	65	
128	-	-	RBL
130	BD	70	
132	BD	60	
134	-	-	BX
136	BD	50	
138	-	-	BX
140	BD	80	
142	BD	70	
144	-	-	BX
146	-	-	BX
148	BD	65	
150	BD	70	
152	BD	30	
154	-	-	BX
156	-	-	BX
158	-	-	BX
160	BD	70	
162	BD	70	
164	-	-	BX
166	-	-	BX
168	-	-	BX
170	-	-	BX
172	BD	80	

## Crag East

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
174	BD	60	
176	BD	60	
178	BD	60	
180	-	-	BX
182	-	-	BX
184	-	-	BX
186	BD	65	
188	-	-	BX
190	BD	50	
192	BD	65	
194	BD	65	
196	BD	55	
198	BD	45	
200	BD	40	
202	BD	50	



## Crag East

Hole: CE-12-19

Date: August

Box #	From (m)	To (m)
1	4.04	8.93
2	8.93	13.96
3	13.96	18.72
4	18.72	24.33
5	24.33	29.74
6	29.74	34.77
7	34.77	39.24
8	39.24	44.46
9	44.46	49.65
10	49.65	55.01
11	55.01	60.51
12	60.51	65.75
13	65.75	70.97
14	70.97	76.12
15	76.12	81.48
16	81.48	86.22
17	86.22	91.58
18	91.58	97.03
19	97.03	103.17
20	103.17	108.60
21	108.60	113.80
22	113.80	119.27
23	119.27	124.47
24	124.47	129.10
25	129.10	134.33
26	134.33	139.72
27	139.72	145.39
28	145.39	151.03
29	151.03	156.56

## Crag East

30	156.56	162.16
31	162.16	167.65
32	167.65	173.14
33	173.14	178.56
34	178.56	183.91
35	183.91	189.37
36	189.37	194.80
37	194.80	200.48
38	200.48	203.30
	EOH	

## Crag East

### CE-12-19

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
67	20.42	64.8	89.8	-45.3	63952	78.8	1.003	46	32.8	197.3	-24.63	9/8/2012 13:01
117	35.66	47.5	72.5	-45.4	58865	78.8	1.002	46	31.3	197.8	-1.66	9/8/2012 13:00
167	50.90	46.6	71.6	-45.9	57913	78.9	1.002	46	25.7	192.4	-0.83	9/8/2012 12:59
217	66.14	46.9	71.9	-46.2	57821	79	1.001	45.7	11.7	178.3	-0.99	9/8/2012 12:56
267	81.38	46.3	71.3	-46.3	57875	78.9	1.004	46	46.4	212.9	-0.81	9/8/2012 12:49
317	96.62	46.6	71.6	-46.7	57870	78.9	1.003	46	39.4	205.8	-0.5	9/8/2012 12:47
367	111.86	46.9	71.9	-46.7	57855	78.9	1.003	46.2	34.4	200.8	-0.5	9/8/2012 12:46
417	127.10	47.3	72.3	-46.8	57854	78.9	1.002	46.8	30.9	197.1	-0.73	9/8/2012 12:44
467	142.34	47.8	72.8	-46.8	57880	78.9	1.003	46.9	42.9	209.1	-1.21	9/8/2012 12:43
517	157.58	48.6	73.6	-46.9	57884	78.9	1.003	47.1	41.2	207.2	-0.62	9/8/2012 12:42
567	172.82	48.9	73.9	-47	57888	78.9	1.003	47.8	39.5	205.4	-0.42	9/8/2012 12:40
617	188.06	48.7	73.7	-47.2	57892	78.9	1.003	48.9	41.4	207.3	-0.89	9/8/2012 12:39
667	203.30	49.3	74.3	-47.4	57904	78.9	1.003	50.4	40.8	206.5	0	9/8/2012 12:37



## Crag East

Hole **CE12-19 Merlot Zone** Note: Only weakly elevated Arsenic.

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Pb	Zn	Al	Au	B
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
29	M400708	4.04	5.18	1.14	0.002	143	2.13	2.6	0.42	0.09	22	90	0.23	<0.2	<10
29	M400709	5.18	8.23	3.05	0.001	35	0.83	1.34	0.33	0.05	18.3	92	0.2	<0.2	<10
29	M400710	8.23	11.28	3.05	0.001	70	1.59	1.84	1.08	0.1	136.5	80	0.27	<0.2	<10
29	M400711	11.28	13.17	1.89	0.002	43.5	1.08	1.43	0.64	0.16	65.9	37	0.34	<0.2	<10
29	M400713	13.17	14.51	1.34	0.001	25.6	0.49	1.04	0.3	0.14	27.4	30	0.27	<0.2	<10
29	M400714	14.51	16.55	2.04	0.002	52.7	1.24	1.6	0.57	0.21	55.6	55	0.41	<0.2	<10
29	M400715	16.55	18.62	2.07	0.001	43.5	1.2	0.78	0.53	0.09	30.3	55	0.32	<0.2	<10
29	M400716	18.62	20.43	1.81	0.002	50.5	1.23	1.12	0.92	0.08	34.2	30	0.34	<0.2	<10
29	M400717	20.43	23.47	3.04	0.002	35.2	1.08	0.47	0.84	0.07	27.1	85	0.33	<0.2	<10
29	M400719	23.47	26.52	3.05	0.002	9.9	0.71	0.15	0.29	0.13	24.4	78	0.39	<0.2	10
29	M400720	26.52	29.57	3.05	0.001	18.9	0.76	0.22	0.3	0.05	27.3	76	0.38	<0.2	10
29	M400721	29.57	30.38	0.81	0.002	30.3	0.86	0.62	0.44	0.05	25.8	79	0.35	<0.2	10
29	M400722	30.38	31.71	1.33	0.001	<2	0.01	0.07	0.04	0.01	1	3	0.03	<0.2	<10
29	M400723	31.71	33.50	1.79	0.002	<2	0.03	0.1	0.04	0.01	1.1	2	0.02	<0.2	<10
29	M400725	33.50	35.66	2.16	0.001	60	1.63	2.23	0.62	0.08	17.7	42	0.21	<0.2	<10
29	M400726	35.66	37.57	1.91	0.002	70	0.64	1.23	0.31	0.04	12.1	11	0.1	<0.2	<10
29	M400727	37.57	38.71	1.14	0.001	542	3.08	1.26	0.72	0.02	6.5	34	0.32	<0.2	<10
29	M400728	38.71	41.76	3.05	0.001	218	4.35	1.28	1.3	0.02	7	21	0.28	<0.2	<10
29	M400730	41.76	44.81	3.05	0.005	1735	2.52	7.74	0.39	0.03	11.3	28	0.34	<0.2	10
29	M400731	44.81	45.77	0.96	0.001	44	2.59	1.08	0.16	0.01	3.2	23	0.31	<0.2	<10
29	M400733	45.77	47.85	2.08	0.004	565	1.46	3.6	0.24	0.03	15.7	17	0.37	<0.2	10
30	M400734	47.85	50.04	2.19	0.001	237	0.91	1.31	0.18	0.02	7.7	16	0.55	<0.2	<10
30	M400735	50.04	50.90	0.86	0.001	28.4	0.8	0.39	0.13	0.02	5.9	27	0.68	<0.2	10
30	M400736	50.90	53.95	3.05	0.001	33.9	0.83	0.61	0.14	0.01	8.1	14	0.47	<0.2	<10
30	M400737	53.95	57.00	3.05	0.001	10.5	0.25	0.24	0.13	0.01	4	17	0.71	<0.2	10
30	M400739	57.00	60.05	3.05	<0.001	24.7	0.16	0.37	0.32	0.02	8.7	14	0.73	<0.2	10
30	M400740	60.05	63.09	3.04	0.001	567	0.36	2.86	0.34	0.02	11.8	19	0.5	<0.2	10
30	M400741	63.09	66.14	3.05	0.001	223	0.4	1.37	0.38	0.01	12	17	0.76	<0.2	20
30	M400742	66.14	68.22	2.08	0.003	311	0.38	1.21	0.38	0.02	15.8	19	0.53	<0.2	10
30	M400743	68.22	71.17	2.95	0.001	54	0.18	0.66	0.36	0.02	14.7	14	0.6	<0.2	10
30	M400744	71.17	72.24	1.07	0.001	54.3	0.41	1.32	0.29	0.03	66	12	0.54	<0.2	10
30	M400745	72.24	75.29	3.05	0.002	40.5	0.19	0.95	0.3	0.02	10.9	6	0.74	<0.2	10
30	M400747	75.29	76.99	1.70	0.002	75	0.49	1.11	0.42	0.04	13.8	8	0.62	<0.2	10

## Crag East

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Pb	Zn	Al	Au	B
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
30	M400748	76.99	78.33	1.34	0.002	14	0.2	0.81	0.14	0.02	6.4	6	0.26	<0.2	10
30	M400750	78.33	80.34	2.01	0.005	58	0.83	2.13	0.38	0.09	15	16	0.37	<0.2	10
30	M400751	80.34	81.38	1.04	0.001	36	0.16	0.49	0.09	0.12	3.3	62	0.07	<0.2	<10
30	M400752	81.38	84.43	3.05	<0.001	67	1.18	1.38	0.16	0.05	6.5	950	0.19	<0.2	10
30	M400753	84.43	87.48	3.05	0.001	77	0.46	1.02	0.14	0.03	6.8	63	0.18	<0.2	<10
30	M400755	87.48	90.53	3.05	0.002	58	1.18	2.9	0.53	0.15	15.3	31	0.42	<0.2	10
30	M400757	90.53	93.57	3.04	0.002	35	0.75	2.01	0.37	0.1	9.7	66	0.35	<0.2	10
30	M400758	93.57	96.62	3.05	0.001	35	0.45	1.46	0.12	0.11	6.7	18	0.15	<0.2	<10
30	M400759	96.62	99.67	3.05	<0.001	36	0.26	1.07	0.06	0.08	4.3	11	0.11	<0.2	<10
30	M400760	99.67	101.35	1.68	0.002	99	0.81	2.82	0.13	0.34	10.1	27	0.23	<0.2	10
30	M400761	101.35	102.72	1.37	0.001	47	1.28	2.59	0.55	0.07	56.1	21	0.48	<0.2	10
30	M400762	102.72	105.77	3.05	0.002	31	0.51	1.23	0.31	0.03	12.8	16	0.25	<0.2	10
30	M400764	105.77	108.81	3.04	0.002	14	0.32	0.54	0.16	0.02	5.3	19	0.04	<0.2	<10
30	M400765	108.81	111.86	3.05	0.002	14	0.23	0.43	0.13	0.01	5.7	4	0.03	<0.2	<10
30	M400766	111.86	114.91	3.05	0.001	8	0.13	0.2	0.05	<0.01	2.3	2	0.02	<0.2	<10
30	M400767	114.91	117.96	3.05	<0.001	7	0.06	0.16	0.07	0.01	1.6	2	0.01	<0.2	<10
30	M400768	117.96	121.01	3.05	0.002	10	0.1	0.26	0.08	0.01	2.6	2	0.01	<0.2	<10
30	M400769	121.01	124.05	3.04	0.001	2	0.09	0.25	0.08	0.01	3.1	2	0.01	<0.2	<10
32	M400770	124.05	126.97	2.92	0.002	6	0.08	0.16	0.07	0.01	3.1	<2	0.01	<0.2	<10
32	M400771	126.97	129.57	2.60	0.002	38	0.14	0.41	0.06	0.01	2.7	6	0.02	<0.2	<10
32	M400772	129.57	131.38	1.81	0.002	6	0.05	0.11	0.06	0.01	1.7	<2	0.01	<0.2	<10
32	M400773	131.38	133.20	1.82	0.001	8	0.18	0.55	0.1	0.01	4	2	0.03	<0.2	<10
32	M400775	133.20	136.25	3.05	0.002	22	0.65	1.69	0.26	0.04	14.1	6	0.13	<0.2	<10
32	M400776	136.25	139.29	3.04	0.003	20	0.63	1.37	0.29	0.03	11.5	4	0.15	<0.2	<10
32	M400777	139.29	142.34	3.05	0.003	19	0.5	0.94	0.22	0.03	9	3	0.1	<0.2	<10
32	M400778	142.34	145.39	3.05	0.001	6	0.16	0.28	0.08	0.01	2.2	2	0.04	<0.2	<10
32	M400780	145.39	148.44	3.05	0.003	33	0.8	1.37	0.29	0.04	11.6	4	0.12	<0.2	<10
32	M400781	148.44	151.49	3.05	0.003	21	0.33	0.66	0.14	0.02	5.7	2	0.05	<0.2	<10
32	M400782	151.49	154.53	3.04	0.003	10	0.13	0.37	0.07	0.01	5.1	<2	0.03	<0.2	<10
32	M400783	154.53	157.58	3.05	0.002	10	0.13	0.25	0.05	0.01	2.2	2	0.02	<0.2	<10
32	M400785	157.58	160.63	3.05	0.003	9	0.09	0.22	0.11	0.02	1.7	2	0.02	<0.2	<10
32	M400786	160.63	161.54	0.91	0.001	6	0.09	0.18	0.03	0.01	1.6	2	0.02	<0.2	<10
32	M400787	161.54	163.21	1.67	0.003	41	0.89	1.23	0.33	0.03	12.3	6	0.23	<0.2	10
32	M400788	163.21	165.00	1.79	0.002	5	0.13	0.21	0.05	0.01	1.7	2	0.03	<0.2	<10
32	M400789	165.00	166.73	1.73	0.003	5	0.09	0.16	0.04	<0.01	1.5	<2	0.03	<0.2	<10

## Crag East

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Pb	Zn	Al	Au	B
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
32	M400790	166.73	169.77	3.04	<0.001	12	0.14	0.19	0.05	0.01	2	2	0.03	<0.2	<10
32	M400791	169.77	172.82	3.05	<0.001	20	0.5	0.81	0.2	0.02	6.1	3	0.11	<0.2	<10
32	M400792	172.82	175.87	3.05	0.003	21	0.29	0.62	0.11	0.02	4.5	2	0.06	<0.2	<10
32	M400793	175.87	178.92	3.05	0.002	18	0.27	0.46	0.1	0.02	3.9	3	0.04	<0.2	<10
32	M400794	178.92	181.97	3.05	0.003	27	0.3	0.54	0.11	0.02	4.7	2	0.05	<0.2	<10
32	M400795	181.97	185.01	3.04	0.003	21	0.35	0.77	0.14	0.02	5.9	2	0.04	<0.2	<10
32	M400797	185.01	188.06	3.05	0.002	22	0.46	1.49	0.21	0.02	11.8	2	0.06	<0.2	<10
32	M400798	188.06	191.11	3.05	0.002	16	0.43	1.49	0.21	0.03	10.1	2	0.06	<0.2	<10
32	M400800	191.11	194.16	3.05	0.004	25	0.64	1.67	0.26	0.15	12.9	157	0.1	<0.2	<10
32	M400801	194.16	197.21	3.05	0.002	17	0.36	1.04	0.14	0.05	7.3	4	0.08	<0.2	<10
32	M400802	197.21	200.25	3.04	0.001	15	0.3	0.8	0.11	0.06	5.6	5	0.06	<0.2	<10
32	M400804	200.25	203.30	3.05	0.005	19	0.57	1.78	0.2	0.04	9.9	6	0.11	<0.2	<10

### QAQC SAMPLES

30	M400738	1/4 duplicate			0.001	10.6	0.14	0.18	0.11	0.01	3.1	16	0.64	<0.2	10
30	M400746	Blank			0.001	<2	<0.01	<0.05	<0.02	0.02	1.5	13	0.03	<0.2	<10
30	M400749	CDN-GS-8B			7.59	786	5.62	6.06	6.43	0.53	4.8	274	0.39	<0.2	10
30	M400754	Blank			0.001	<2	<0.01	<0.05	<0.02	0.01	1.3	14	0.03	<0.2	<10
30	M400756	CDN-GS-4D			3.74	664	5.26	10.45	2.25	1.59	20.6	146	0.31	<0.2	<10
30	M400763	Coarse reject dup			<0.001	31	0.49	1.17	0.28	0.03	12.8	16	0.22	<0.2	<10
29	M400712	Blank			0.002	<2	0.01	<0.05	<0.02	<0.01	1.5	12	0.02	<0.2	<10
29	M400718	CDN-GS-1G			1.14	224	2.14	7.33	0.96	0.8	19.4	417	0.47	<0.2	<10
29	M400724	1/4 duplicate			0.002	2	0.02	0.09	0.03	0.01	1.2	2	0.01	<0.2	<10
29	M400729	Coarse reject dup			0.001	274	4.65	1.33	1.4	0.01	7.5	21	0.31	<0.2	<10
29	M400732	Blank			0.001	<2	0.01	0.06	<0.02	0.01	1.1	13	0.02	<0.2	<10
32	M400774	1/4 duplicate			0.002	6	0.2	0.47	0.1	0.01	4.2	9	0.03	<0.2	<10
32	M400779	Blank			0.001	<2	<0.01	<0.05	<0.02	0.01	1.3	13	0.03	<0.2	<10
32	M400784	CDN-GS-4D			3.79	634	5.2	8.81	2.35	1.42	19.2	141	0.35	<0.2	<10
32	M400796	Coarse reject dup			0.001	23	0.36	0.74	0.14	0.02	5.9	2	0.05	<0.2	<10
32	M400799	CDN-GS-8B			7.84	789	5.54	5.25	6.56	0.48	4.4	267	0.54	<0.2	10
32	M400803	Blank			0.001	<2	<0.01	<0.05	<0.02	0.02	1.3	12	0.04	<0.2	<10

## Crag East

CE12-19

Sample	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
M400708	60	0.19	0.07	10.55	0.14	7.35	4.7	4	2.67	18	1.86	0.73	0.05	0.12	0.008	0.09	2.9	1.4	5	744
M400709	60	0.15	0.05	13.8	0.22	6.15	3	2	2.44	6.8	1.58	0.52	0.05	0.12	0.006	0.07	2.2	2.5	5.34	909
M400710	460	0.36	0.14	12.45	0.2	10.95	6.2	2	6.71	15.5	1.75	0.71	0.05	0.11	0.018	0.12	4	1.8	0.94	366
M400711	30	0.41	0.19	2.19	0.08	7.26	7.5	5	7.68	32.3	1.68	0.86	<0.05	0.14	0.009	0.15	2.9	3.8	0.12	159
M400713	20	0.25	0.12	6.42	0.05	8.02	4.1	4	4.91	18.3	1.91	0.69	0.05	0.13	0.009	0.12	3	2.1	3.25	543
M400714	30	0.53	0.31	2.11	0.1	10.7	9.8	6	13.8	34.8	2.69	1.1	0.07	0.17	0.012	0.2	4	3.5	0.59	273
M400715	50	0.63	0.3	1.33	0.06	7.84	10.4	4	15.7	26.4	2.11	0.85	<0.05	0.12	0.018	0.16	3.1	5.1	0.33	299
M400716	50	0.81	0.3	4.39	0.02	11.75	11.4	3	14.95	28.8	2.59	0.98	0.06	0.11	0.034	0.18	3.2	2.4	0.44	438
M400717	180	0.9	0.31	7.81	0.05	10.5	12	4	11.85	23.4	2.84	0.99	0.07	0.1	0.038	0.17	3.3	3.7	0.6	516
M400719	90	1.3	0.39	6.46	0.04	16.25	12.4	5	16.9	19.6	3.6	1.04	<0.05	0.1	0.043	0.19	5.1	4.4	0.76	613
M400720	50	1.26	0.41	3.06	0.02	14.2	13.5	6	17.3	19.7	3.57	0.99	<0.05	0.1	0.042	0.19	5.2	4.9	0.67	578
M400721	60	1.23	0.38	5.05	0.03	11.95	13.8	4	17.05	22.7	3.55	0.93	<0.05	0.09	0.043	0.19	5	5.7	0.7	667
M400722	10	0.07	0.01	>25.0	<0.01	6.3	0.4	<1	0.32	1.1	0.34	0.1	<0.05	<0.02	<0.005	0.01	3.6	0.4	0.28	1050
M400723	10	0.05	0.01	>25.0	<0.01	8.45	0.3	<1	0.18	1.2	0.3	0.1	<0.05	<0.02	<0.005	0.01	5	0.3	0.13	1080
M400725	110	0.47	0.12	17.8	0.05	6.06	4.1	<1	4.87	12.9	1.78	0.55	<0.05	0.11	0.011	0.1	2.9	1.1	5.59	795
M400726	40	0.26	0.05	22.3	0.01	5.79	2.2	<1	0.83	6.9	1.34	0.31	<0.05	0.07	<0.005	0.04	3.1	1.1	8.93	1040
M400727	130	0.69	0.34	4.23	0.01	3.86	15.8	4	5.82	26.4	2.69	0.97	<0.05	0.06	0.029	0.23	1.2	3.8	1	1300
M400728	780	0.87	0.26	5.95	0.01	7.18	14.1	4	8	30.6	2.58	0.89	<0.05	0.07	0.024	0.21	2.5	1.1	0.8	1530
M400730	100	0.6	0.37	4.88	0.02	5.58	15.6	3	4.99	45.4	2.44	0.94	<0.05	0.08	0.026	0.25	1.9	1.6	0.89	1270
M400731	1980	0.73	0.39	1.34	0.02	5.3	13.7	5	8.19	19.1	2.76	0.84	<0.05	0.08	0.022	0.24	1.8	0.9	0.57	506
M400733	250	0.66	0.49	1.51	0.01	4.48	30.4	4	14.05	17.9	1.62	1.05	<0.05	0.09	0.026	0.28	1.4	2.2	0.5	598
M400734	440	0.65	0.45	1.88	0.01	4.73	18.9	6	6.04	13.1	1.79	1.33	<0.05	0.12	0.028	0.41	1.6	2.8	0.51	572
M400735	1180	0.82	0.43	1.53	0.07	4.72	17.3	9	12.55	15.7	1.48	1.67	<0.05	0.15	0.063	0.45	1.5	5.2	0.57	655
M400736	680	0.6	0.36	1.57	0.01	4.68	18.3	9	7.32	24.5	1.48	1.15	<0.05	0.13	0.018	0.34	1.5	3.3	0.6	693
M400737	350	0.8	0.28	1.47	0.01	5.53	11.3	7	16.3	11	1.72	1.98	<0.05	0.14	0.03	0.47	1.7	6.8	0.62	624
M400739	120	1	0.36	1.84	<0.01	3.89	15.5	7	10.25	11.6	3	1.85	<0.05	0.14	0.018	0.47	1.3	6	0.75	309
M400740	110	0.98	0.38	1.57	0.01	3.78	13.3	7	10.6	8.1	1.94	1.35	<0.05	0.13	0.023	0.35	1.3	4.6	0.68	252
M400741	130	1.16	0.39	1.6	<0.01	9.24	14.5	8	10.6	7.9	1.71	2.2	<0.05	0.15	0.027	0.5	2	5.7	0.68	428
M400742	110	0.81	0.51	2.78	0.01	9.48	15.2	7	6.39	10.4	2.12	1.41	<0.05	0.13	0.021	0.36	2.7	3.5	1.19	578
M400743	60	0.97	0.33	4.08	0.02	7.23	8.1	12	8.83	10.7	1.71	1.72	<0.05	0.15	0.017	0.38	2.3	4.7	1.88	307
M400744	80	0.83	0.37	5.55	0.01	7.59	16.7	10	7.27	23	1.89	1.57	<0.05	0.24	0.015	0.33	2.7	3.8	2.52	261
M400745	90	1.05	0.44	4.97	<0.01	7.16	12.4	9	9.91	8.5	1.3	1.82	<0.05	0.29	0.016	0.43	2.8	4.1	2.33	279
M400747	110	0.75	0.32	10	0.01	8.73	13.1	5	7.27	14.5	1.7	1.52	<0.05	0.24	0.016	0.35	3.6	3.4	4.68	422

## Crag East

Sample	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
M400748	50	0.17	0.06	20.4	0.01	11.15	2.9	1	1.12	7.8	1.17	0.61	<0.05	0.11	0.011	0.12	5.9	1.5	10.05	776
M400750	120	0.35	0.14	16.15	0.02	14.35	7.5	2	2.5	14.7	1.71	0.95	<0.05	0.17	0.01	0.19	6.8	1.8	8	634
M400751	220	0.07	0.02	18.85	0.18	5.27	1.4	<1	0.19	4.5	0.95	0.21	<0.05	0.04	<0.005	0.03	3	0.7	10.65	818
M400752	90	0.14	0.05	19.65	4.7	8.82	2.4	<1	0.62	6.2	1.53	0.86	<0.05	0.07	0.007	0.08	5.8	1.1	10.75	860
M400753	80	0.13	0.06	19.95	0.13	8.14	2.7	<1	0.83	6.8	2.15	0.57	<0.05	0.09	0.007	0.08	4.5	1.2	10.8	987
M400755	200	0.42	0.17	13.45	0.02	9.7	8.4	5	2.38	18.1	1.68	1.22	<0.05	0.23	0.018	0.2	3.8	1.8	7	528
M400757	170	0.3	0.11	15.3	0.25	9.36	5.8	3	1.95	11.9	1.82	1.01	<0.05	0.19	0.015	0.16	4.2	1.7	8.04	783
M400758	50	0.16	0.04	18.1	0.01	9.49	2.6	3	0.77	5.9	1.08	0.49	<0.05	0.09	0.005	0.07	5.2	1.2	10.15	910
M400759	40	0.12	0.03	20.4	<0.01	7.52	1.7	<1	0.37	4.1	1.28	0.35	<0.05	0.07	<0.005	0.05	4.2	1	11.4	1100
M400760	130	0.2	0.09	18.6	0.03	7.26	4.1	<1	0.9	8.9	1.55	0.68	<0.05	0.11	0.006	0.11	3.8	1.1	10.3	915
M400761	220	0.45	0.3	11.8	0.02	10.15	12	4	3.08	29.9	2.77	1.35	<0.05	0.17	0.015	0.24	4.6	1.9	6.36	475
M400762	160	0.25	0.11	19.85	0.01	6.17	3.6	<1	1.14	8.6	1.26	0.71	<0.05	0.1	0.007	0.12	3.3	1.4	10.05	624
M400764	10	0.13	0.01	23.3	0.02	2.68	0.6	<1	0.06	1.8	0.68	0.13	<0.05	0.03	<0.005	0.01	1.4	0.8	12.05	661
M400765	10	0.19	0.01	23.1	0.01	2.12	0.6	<1	0.05	1.9	0.85	0.1	<0.05	0.02	<0.005	0.01	1.3	0.6	12.3	798
M400766	<10	0.1	0.01	21.7	<0.01	1.43	0.4	<1	<0.05	1.9	0.67	0.08	<0.05	<0.02	<0.005	<0.01	0.7	0.6	11.95	602
M400767	<10	0.13	0.01	22.2	<0.01	0.91	0.3	<1	<0.05	1.2	0.46	<0.05	<0.05	<0.02	<0.005	<0.01	0.5	0.5	12.35	578
M400768	<10	0.14	0.01	22	<0.01	0.96	0.3	<1	<0.05	1	0.65	0.06	<0.05	<0.02	<0.005	<0.01	0.5	0.5	12.65	639
M400769	<10	0.12	0.01	22.1	<0.01	0.89	0.3	<1	<0.05	1.2	0.72	<0.05	<0.05	<0.02	<0.005	<0.01	0.5	0.5	12.6	677
M400770	<10	0.1	0.01	19.45	<0.01	0.82	0.2	<1	<0.05	0.7	0.68	0.05	<0.05	<0.02	<0.005	<0.01	0.5	0.4	11.15	689
M400771	20	0.14	0.01	20.6	<0.01	1.05	0.3	<1	0.05	0.9	0.68	0.07	<0.05	<0.02	<0.005	0.01	0.6	0.6	12	762
M400772	10	0.13	0.01	20.7	<0.01	1.16	0.2	<1	<0.05	0.8	0.61	<0.05	<0.05	<0.02	<0.005	<0.01	0.7	0.5	11.75	737
M400773	10	0.1	0.01	20.1	<0.01	3.27	0.6	<1	0.05	1.5	1	0.1	<0.05	<0.02	<0.005	0.01	1.9	0.6	10.9	940
M400775	50	0.13	0.03	20.1	0.01	6.47	1.6	<1	0.55	5.1	1.54	0.33	<0.05	0.08	<0.005	0.05	3.4	1.5	10.3	1240
M400776	70	0.12	0.04	19.1	<0.01	6.58	2.1	<1	1.68	6	1.53	0.4	<0.05	0.1	<0.005	0.06	3.4	1.6	9.91	1250
M400777	60	0.1	0.03	18.9	<0.01	5.33	1.9	<1	0.58	4.6	1.39	0.26	<0.05	0.09	<0.005	0.04	2.6	1.2	9.83	1160
M400778	20	<0.05	0.01	20.8	<0.01	4.85	0.5	<1	0.08	1.6	1.15	0.11	<0.05	0.02	<0.005	0.01	2.6	0.6	10.6	1260
M400780	70	0.1	0.03	20.1	<0.01	5.87	1.8	<1	0.53	5.7	1.52	0.31	<0.05	0.09	<0.005	0.05	3	1.3	10.35	1280
M400781	20	0.05	0.01	20.6	<0.01	4.55	0.7	<1	0.11	2.6	1.27	0.16	<0.05	0.03	<0.005	0.02	2.2	0.7	10.25	1220
M400782	10	0.06	0.01	22	<0.01	4.68	0.3	<1	<0.05	1.3	1.27	0.1	<0.05	<0.02	<0.005	0.01	2.4	0.5	10.35	1300
M400783	10	0.05	0.01	20.7	<0.01	5.63	0.3	<1	<0.05	1.3	1.52	0.11	<0.05	<0.02	<0.005	0.01	3.3	0.4	10.7	1600
M400785	10	<0.05	0.01	20.4	<0.01	4.7	0.2	<1	<0.05	1.2	1.44	0.08	<0.05	<0.02	<0.005	<0.01	2.6	0.4	11.1	1540
M400786	<10	<0.05	0.01	20.6	<0.01	4.45	0.2	<1	<0.05	1	1.27	0.08	<0.05	<0.02	<0.005	<0.01	2.7	0.3	10.7	1360
M400787	100	0.24	0.08	19.05	0.01	11.8	3.9	<1	2.22	9.6	1.89	0.57	<0.05	0.08	0.007	0.11	6.7	1.7	8.98	1340
M400788	10	<0.05	0.01	20.7	<0.01	4.87	0.4	<1	0.06	1.3	1.45	0.09	<0.05	<0.02	<0.005	0.01	2.8	0.4	11.15	1480
M400789	10	<0.05	0.01	20.9	<0.01	4.14	0.3	<1	0.05	1.1	1.33	0.1	<0.05	<0.02	<0.005	0.01	2.3	0.4	11.55	1370

## Crag East

Sample	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
M400790	10	<0.05	0.01	20.8	<0.01	2.81	0.4	<1	<0.05	1.5	1.24	0.07	<0.05	<0.02	<0.005	0.01	1.7	0.5	11.1	1290
M400791	40	0.09	0.03	20.8	<0.01	8.29	1.9	<1	0.72	4.6	1.45	0.29	<0.05	0.1	<0.005	0.05	4.8	1.1	9.86	1330
M400792	20	0.07	0.02	21.1	<0.01	7.69	0.8	<1	0.18	3.5	1.44	0.18	<0.05	0.05	<0.005	0.02	4.4	0.7	10.5	1410
M400793	20	0.05	0.01	20.6	<0.01	4.03	0.7	<1	0.1	2.6	1.05	0.13	<0.05	0.03	<0.005	0.01	2.5	0.7	10.85	1170
M400794	20	0.05	0.01	21.6	<0.01	6.11	0.9	<1	0.12	2.8	1.32	0.13	<0.05	0.03	<0.005	0.02	3.3	0.5	10	1220
M400795	20	0.05	0.02	22.1	<0.01	6.3	1	<1	0.15	3.1	1.32	0.15	<0.05	0.03	<0.005	0.02	3.3	0.6	9.8	1180
M400797	20	0.06	0.02	20.6	0.01	6.42	1.5	<1	0.23	4.6	1.54	0.18	<0.05	0.05	<0.005	0.03	3.3	0.7	10.3	1190
M400798	20	0.05	0.02	21.3	<0.01	6.39	1.4	<1	0.34	4.3	1.32	0.18	<0.05	0.06	<0.005	0.03	3.3	0.7	9.76	1090
M400800	30	0.09	0.03	19.95	0.48	6.9	2	<1	0.79	6.4	1.44	0.33	<0.05	0.09	<0.005	0.05	3.4	1	10.1	1180
M400801	30	0.07	0.03	20.1	<0.01	6.87	1.3	<1	0.54	4.2	1.45	0.23	<0.05	0.08	<0.005	0.03	3.6	0.8	10.25	1260
M400802	30	0.05	0.04	21	<0.01	6.06	1.2	<1	0.3	3.4	1.41	0.19	<0.05	0.06	<0.005	0.03	3.4	0.7	10.2	1390
M400804	320	0.11	0.09	20.2	0.01	7.19	2.2	<1	0.99	6.9	1.54	0.35	<0.05	0.12	<0.005	0.05	3.7	0.8	9.38	1330

M400738	280	0.83	0.29	1.22	<0.01	5.28	10.9	6	14.95	12.2	1.81	1.8	<0.05	0.13	0.024	0.42	1.7	7.3	0.55	496
M400746	10	<0.05	0.04	20.9	0.05	1.03	0.8	<1	0.28	2.1	0.49	0.11	<0.05	<0.02	<0.005	0.02	0.5	1	12.1	206
M400749	130	0.38	0.67	12.65	4.03	17.8	5.3	26	2.01	32.2	1.41	1	0.06	0.31	0.057	0.19	8.6	1	0.58	267
M400754	20	<0.05	0.06	22.1	0.06	1.04	0.7	<1	0.22	1.7	0.5	0.11	<0.05	<0.02	<0.005	0.02	0.5	0.8	12.75	222
M400756	60	0.31	4.38	2.18	1.9	4.63	7.6	20	1.65	74.4	2.95	1.07	<0.05	0.21	0.149	0.19	2.3	1.6	0.9	305
M400763	140	0.26	0.1	20.3	0.01	6.06	3.4	<1	1.1	8.1	1.24	0.55	<0.05	0.09	0.005	0.11	3.2	1.2	10.3	631
M400712	30	<0.05	0.02	19.95	0.05	1.13	1.3	<1	0.32	1.8	0.47	0.15	0.1	<0.02	<0.005	0.01	0.5	0.9	11.85	205
M400718	100	0.96	9	17.1	1.94	22.3	4.1	20	2.23	74.7	2.39	2.89	0.07	0.22	0.6	0.15	13.8	5.2	3.17	1580
M400724	10	<0.05	<0.01	>25.0	<0.01	8.66	0.3	<1	0.07	2.2	0.31	0.08	<0.05	<0.02	<0.005	<0.01	5	0.2	0.15	1080
M400729	620	0.79	0.29	5.89	0.01	6.65	13.2	4	7.55	32.4	2.51	0.89	<0.05	0.08	0.022	0.24	2.2	1.1	0.79	1540
M400732	20	<0.05	0.02	19.25	0.05	1.06	0.7	<1	0.15	1.5	0.48	0.08	<0.05	<0.02	<0.005	0.01	0.5	0.6	11.65	202
M400774	30	0.1	0.01	20.2	0.01	3.08	0.6	<1	0.06	1.8	1.03	0.09	<0.05	<0.02	<0.005	0.01	1.8	0.7	11.15	940
M400779	30	<0.05	0.02	20.7	0.06	1.03	0.6	<1	0.42	1.8	0.46	0.11	<0.05	<0.02	<0.005	0.03	0.5	0.9	12.1	198
M400784	40	0.28	3.75	2.04	1.85	4.74	6.5	19	1.75	70.9	2.76	1.08	<0.05	0.23	0.13	0.2	2.5	1.6	0.86	284
M400796	20	<0.05	0.02	22.4	<0.01	6.09	1	<1	0.15	3.1	1.34	0.15	<0.05	0.04	<0.005	0.02	3.1	0.6	9.81	1200
M400799	140	0.41	0.56	11.9	4.05	18.85	5	28	2.4	31.7	1.37	1.31	0.05	0.1	0.055	0.25	9.6	1.3	0.57	257
M400803	20	<0.05	0.05	20	0.05	0.91	0.7	<1	0.35	1.4	0.46	0.15	<0.05	<0.02	<0.005	0.03	0.4	1	11.6	206

## Crag East

CE12-19

Sample	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V	W	Y
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
M400708	0.37	0.02	0.09	11	290	3.1	<0.001	0.04	2.9	0.4	1.8	47.6	<0.01	0.01	2.7	<0.005	0.53	6	0.18	3.89
M400709	0.23	0.02	0.11	5.7	430	2.4	<0.001	0.04	2.8	0.4	0.5	55.8	<0.01	<0.01	2.3	<0.005	0.62	5	0.07	4.18
M400710	0.29	0.02	0.1	14.5	270	4.7	<0.001	0.22	4.2	0.8	1.6	174	<0.01	0.01	5.4	<0.005	0.5	4	0.05	6.4
M400711	0.4	0.02	<0.05	20.7	730	6.3	0.001	1.32	2.4	1	4	33	<0.01	0.01	5.2	<0.005	0.52	4	0.05	4.04
M400713	0.54	0.02	0.06	12.7	940	5.3	0.001	1.06	3.1	0.7	2	34.2	<0.01	0.01	3.8	<0.005	0.8	5	0.17	5.22
M400714	0.55	0.02	<0.05	27.3	960	9.1	0.002	2.26	3.9	1	3.2	33	<0.01	0.02	6.3	<0.005	0.77	5	0.1	6.11
M400715	0.48	0.02	<0.05	24.4	70	8.1	0.002	1.64	3.2	0.4	2.1	20.8	<0.01	0.01	3.9	<0.005	0.38	4	0.06	2.57
M400716	0.37	0.02	0.05	24.1	190	8.5	0.001	1.73	5.7	0.7	3.5	107.5	<0.01	0.01	5.2	<0.005	0.44	5	<0.05	5.99
M400717	0.37	0.02	0.07	25	160	7.9	0.001	1.56	7.5	0.7	2.1	166.5	<0.01	0.01	4.8	<0.005	0.39	7	<0.05	7.17
M400719	0.35	0.01	<0.05	31.1	610	9.3	0.001	1.2	7.4	0.6	0.9	218	<0.01	0.02	6.5	<0.005	0.4	7	0.06	9.77
M400720	0.24	0.01	<0.05	31.2	480	9.2	<0.001	1.14	7.5	0.6	1.1	65	<0.01	0.01	5.6	<0.005	0.32	7	<0.05	7.47
M400721	0.29	0.01	<0.05	33.1	150	9	<0.001	1.14	7.1	0.7	1.8	96.1	<0.01	0.01	4.7	<0.005	0.26	7	<0.05	6.83
M400722	0.11	<0.01	<0.05	6.4	20	0.4	<0.001	0.05	0.4	0.3	<0.2	384	<0.01	<0.01	<0.2	<0.005	0.12	<1	<0.05	3.67
M400723	0.11	<0.01	<0.05	6.2	10	0.3	<0.001	0.07	0.3	0.2	<0.2	382	<0.01	0.01	<0.2	<0.005	0.12	<1	<0.05	4.3
M400725	0.37	0.01	<0.05	15.1	500	4.2	0.001	1.14	2.3	0.5	0.8	247	<0.01	0.03	1.5	<0.005	1.22	4	0.09	6.53
M400726	0.24	0.01	<0.05	8.8	360	1.3	<0.001	0.35	1.3	0.2	0.2	214	<0.01	0.05	0.9	<0.005	1.81	3	0.09	5.11
M400727	0.26	<0.01	<0.05	21	240	9.3	<0.001	0.33	6.4	0.4	1.3	67.5	<0.01	0.06	2.9	<0.005	0.36	8	0.62	7.52
M400728	0.31	<0.01	<0.05	16	250	9.9	<0.001	0.45	5.9	0.6	0.6	151	<0.01	0.08	3.2	<0.005	0.6	8	0.32	8.29
M400730	0.41	<0.01	<0.05	18.9	320	9.1	<0.001	1.03	6.3	0.3	0.5	131.5	<0.01	0.09	2.8	<0.005	0.6	6	0.77	8.4
M400731	0.22	<0.01	<0.05	18.9	270	10.4	<0.001	0.17	4.6	0.2	0.3	60.6	<0.01	0.07	3.4	<0.005	0.48	9	0.07	5.38
M400733	0.47	<0.01	<0.05	22.3	220	11.4	<0.001	0.89	5.7	0.2	0.3	41.8	<0.01	0.13	3.2	<0.005	0.2	5	0.26	4.32
M400734	0.65	0.01	0.08	17.7	230	15.5	<0.001	0.45	5.1	0.2	0.4	54.8	<0.01	0.1	3	<0.005	0.29	8	0.35	4.62
M400735	0.72	0.02	0.08	15.5	240	16.9	<0.001	0.3	4.2	0.4	0.5	65.4	<0.01	0.11	3.4	<0.005	0.46	8	<0.05	5.1
M400736	0.72	0.01	0.09	16.1	220	11.6	<0.001	0.35	4.2	0.3	0.6	89.4	<0.01	0.1	2.9	<0.005	0.45	6	0.08	4.57
M400737	0.2	0.01	0.08	11	220	20.5	<0.001	0.12	5.5	0.2	0.5	56.6	<0.01	0.05	3.6	<0.005	0.61	10	<0.05	4.47
M400739	0.42	0.01	0.09	17	210	17.2	<0.001	2.02	4.6	0.3	0.5	51.7	<0.01	0.06	3.1	<0.005	0.19	7	0.08	4.41
M400740	0.48	<0.01	0.08	14.4	160	14.5	<0.001	1.28	5.4	0.4	0.4	63.7	<0.01	0.07	2.9	<0.005	0.27	6	0.17	3.6
M400741	0.39	<0.01	0.09	16.4	230	19.5	<0.001	1.13	7.1	0.4	0.6	51	<0.01	0.05	3.6	<0.005	0.26	9	0.19	4.9
M400742	0.56	<0.01	0.09	18.2	300	12.8	<0.001	1.59	7.6	0.4	0.6	77.7	<0.01	0.09	3.6	<0.005	0.22	7	0.45	5.57
M400743	0.86	<0.01	0.09	13.2	430	14.6	<0.001	0.98	5.6	0.4	0.9	55	<0.01	0.03	5.2	<0.005	0.33	7	0.11	6.09
M400744	0.89	<0.01	0.08	30.9	830	12.4	<0.001	1.06	5.7	0.5	0.9	63.7	<0.01	0.07	6.6	<0.005	1.48	10	0.09	8.61
M400745	0.62	0.01	0.08	13.7	1010	15.4	<0.001	0.39	7.7	0.4	0.6	47.2	<0.01	0.13	8.1	<0.005	2.24	12	0.05	9.5
M400747	0.42	0.01	0.08	17.3	1120	12.3	0.001	0.68	6	0.7	0.6	61.3	<0.01	0.06	6.5	<0.005	1.9	8	<0.05	10.55

## Crag East

Sample	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V	W	Y
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
M400748	0.34	0.01	0.08	5.4	430	3.8	<0.001	0.33	2.2	0.2	0.3	78.8	<0.01	0.01	1.5	<0.005	0.91	3	0.06	7.11
M400750	0.28	0.01	0.08	11.5	620	6.1	<0.001	0.94	4.3	0.7	0.8	67.3	<0.01	0.03	3.5	<0.005	0.78	5	0.12	8.62
M400751	0.34	0.01	0.09	1.3	500	0.8	<0.001	0.04	0.7	<0.2	0.6	48.6	<0.01	0.01	0.5	<0.005	0.44	1	0.34	3.84
M400752	0.19	0.01	0.08	3.5	380	2.4	<0.001	0.15	1.9	0.4	0.4	62.9	<0.01	0.04	1.1	<0.005	0.67	3	0.1	4.71
M400753	0.15	0.01	0.08	4.3	360	2.5	<0.001	0.12	2.6	0.3	0.3	61.6	<0.01	0.01	1.2	<0.005	0.64	4	0.1	5.11
M400755	0.31	0.01	0.09	13.5	1010	6.6	0.001	0.75	6.7	0.6	0.6	62.8	<0.01	0.03	4.1	<0.005	1.5	9	0.29	8.14
M400757	0.3	0.01	0.09	9.3	740	5.2	<0.001	0.38	4	<0.2	0.5	73.2	<0.01	0.02	2.6	<0.005	1.35	6	0.14	7.01
M400758	0.64	0.01	0.09	4	370	2.2	<0.001	0.16	1.5	0.5	0.3	49.4	<0.01	0.03	1.1	<0.005	0.81	3	0.47	5.21
M400759	0.29	0.01	0.08	2.4	340	1.4	0.001	0.08	1	0.2	0.3	49.2	<0.01	0.02	0.7	<0.005	0.76	2	0.23	4.02
M400760	0.31	0.01	0.07	7	530	3.1	0.001	0.09	1.9	0.3	0.3	61.2	<0.01	0.03	1.4	<0.005	0.81	3	1.12	4.93
M400761	0.25	0.01	0.08	23.7	730	7.9	<0.001	2.23	6.9	0.6	0.9	56.7	<0.01	0.08	5.5	<0.005	0.89	6	0.25	8.09
M400762	0.19	0.02	0.07	6.6	550	3.8	<0.001	0.79	2.2	0.4	0.3	105	<0.01	0.04	1.5	<0.005	1.73	3	0.11	5.2
M400764	0.17	0.02	0.07	1	520	0.4	<0.001	0.18	0.3	0.4	<0.2	112	<0.01	0.01	0.2	<0.005	2.1	1	0.06	2.45
M400765	0.17	0.02	0.07	0.7	360	0.3	<0.001	0.18	0.2	0.2	0.2	99.8	<0.01	0.01	<0.2	<0.005	1.99	1	0.09	2.04
M400766	0.13	0.02	0.07	<0.2	260	0.2	<0.001	0.08	0.2	0.2	0.3	92.1	<0.01	0.01	<0.2	<0.005	1.4	1	0.05	1.75
M400767	0.13	0.02	0.07	<0.2	150	<0.1	<0.001	0.19	<0.1	<0.2	<0.2	75.3	<0.01	<0.01	<0.2	<0.005	1.17	<1	<0.05	1.23
M400768	0.1	0.02	0.07	<0.2	250	0.1	<0.001	0.12	0.1	<0.2	<0.2	81.1	<0.01	<0.01	<0.2	<0.005	1.33	<1	0.06	1.36
M400769	0.11	0.02	0.07	<0.2	190	<0.1	<0.001	0.09	<0.1	0.3	0.2	75.6	<0.01	0.01	<0.2	<0.005	1.27	<1	<0.05	1.29
M400770	<0.05	0.02	<0.05	<0.2	180	0.1	<0.001	0.06	0.1	<0.2	<0.2	68.8	<0.01	<0.01	<0.2	<0.005	1.25	<1	<0.05	1.2
M400771	<0.05	0.02	<0.05	<0.2	190	0.2	<0.001	0.02	0.1	<0.2	<0.2	78	<0.01	0.01	<0.2	<0.005	1.48	<1	0.05	1.5
M400772	<0.05	0.02	<0.05	<0.2	190	<0.1	<0.001	0.05	0.1	<0.2	<0.2	78	<0.01	0.01	<0.2	<0.005	1.44	<1	<0.05	1.48
M400773	0.06	0.02	<0.05	1	180	0.3	<0.001	0.15	0.3	<0.2	<0.2	80.4	<0.01	<0.01	<0.2	<0.005	1.28	1	<0.05	2.56
M400775	0.1	0.02	<0.05	3	530	1.5	<0.001	0.63	1	0.5	<0.2	65.2	<0.01	0.02	0.9	<0.005	1.94	2	0.07	4.71
M400776	0.08	0.02	<0.05	3.8	440	2	<0.001	0.56	1.1	0.2	0.2	72.6	<0.01	0.04	1.1	<0.005	1.64	2	0.06	4.23
M400777	0.13	0.02	<0.05	3.2	540	1.2	<0.001	0.41	0.8	<0.2	0.2	59.7	<0.01	0.02	0.8	<0.005	2.36	2	0.08	3.89
M400778	0.07	0.01	<0.05	0.7	320	0.3	<0.001	0.07	0.3	<0.2	<0.2	57.5	<0.01	0.02	0.2	<0.005	1.36	1	<0.05	3.78
M400780	0.1	0.02	<0.05	3.5	560	1.5	<0.001	0.46	1	<0.2	<0.2	64.4	<0.01	0.02	1	<0.005	2.19	2	0.08	4.57
M400781	0.11	0.02	<0.05	1.4	540	0.5	<0.001	0.17	0.3	0.3	<0.2	60.6	<0.01	0.02	0.3	<0.005	2.48	1	0.05	5.32
M400782	0.05	0.02	<0.05	<0.2	400	0.2	<0.001	0.09	0.1	<0.2	<0.2	61	<0.01	0.01	<0.2	<0.005	2.06	<1	<0.05	5.88
M400783	<0.05	0.02	<0.05	<0.2	380	0.2	<0.001	0.06	0.1	<0.2	<0.2	39.5	<0.01	0.01	<0.2	<0.005	2.14	<1	<0.05	4.48
M400785	0.06	0.02	<0.05	<0.2	370	0.1	<0.001	0.04	0.1	<0.2	<0.2	31.9	<0.01	<0.01	<0.2	<0.005	2.03	<1	<0.05	3.35
M400786	<0.05	0.02	<0.05	<0.2	310	0.1	<0.001	0.02	0.1	<0.2	<0.2	36.1	<0.01	0.01	<0.2	<0.005	1.25	<1	<0.05	3.47
M400787	0.1	0.02	<0.05	7.6	310	3.5	<0.001	0.83	2.8	0.2	0.2	67.5	<0.01	0.05	2.1	<0.005	0.58	4	0.08	5.87
M400788	<0.05	0.02	<0.05	<0.2	260	0.3	<0.001	0.05	0.5	<0.2	<0.2	34.3	<0.01	0.01	0.2	<0.005	1.13	1	<0.05	3.29
M400789	<0.05	0.02	<0.05	<0.2	370	0.3	<0.001	0.05	0.2	<0.2	<0.2	32.7	<0.01	0.01	<0.2	<0.005	1.38	1	<0.05	2.79



## Crag East

Sample	Mo	Na	Nb	Ni	P	Rb	Re	S	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U	V	W	Y
	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
M400790	<0.05	0.02	<0.05	0.2	280	0.2	<0.001	0.08	0.2	<0.2	<0.2	41.9	<0.01	0.01	<0.2	<0.005	1.37	1	<0.05	2.72
M400791	0.1	0.02	<0.05	3.1	510	1.6	<0.001	0.33	1.1	0.2	<0.2	57.6	<0.01	0.03	1	<0.005	2.21	2	0.08	5.54
M400792	0.11	0.02	<0.05	1.8	740	0.7	0.001	0.14	0.6	<0.2	<0.2	49.9	<0.01	0.01	0.5	<0.005	3.02	2	0.05	5.59
M400793	0.05	0.02	<0.05	1	230	0.4	<0.001	0.14	0.4	0.2	<0.2	47.9	<0.01	0.02	0.3	<0.005	1.88	1	<0.05	3.3
M400794	0.05	0.01	<0.05	1.3	270	0.5	<0.001	0.18	0.7	0.2	<0.2	67	<0.01	0.02	0.4	<0.005	1.81	1	0.06	4.6
M400795	0.05	0.02	<0.05	1.3	230	0.6	<0.001	0.24	0.6	<0.2	<0.2	72.8	<0.01	0.01	0.4	<0.005	1.92	1	0.06	4.81
M400797	0.06	0.01	<0.05	2.4	310	0.8	<0.001	0.58	0.8	<0.2	<0.2	57	<0.01	0.01	0.6	<0.005	2.54	2	0.07	4.85
M400798	0.06	0.01	<0.05	2.2	300	0.9	<0.001	0.48	0.7	<0.2	<0.2	60.1	<0.01	0.02	0.6	<0.005	2.09	2	0.06	5.02
M400800	0.12	0.02	<0.05	3.7	440	1.4	0.001	0.59	1	0.5	0.2	63.2	<0.01	0.02	1	<0.005	2.67	2	0.09	5.97
M400801	0.07	0.02	<0.05	2.1	400	1	<0.001	0.3	0.8	<0.2	<0.2	54.9	<0.01	0.01	0.8	<0.005	2.28	2	0.05	5.14
M400802	0.09	0.02	<0.05	2.1	340	0.8	0.001	0.22	0.8	<0.2	<0.2	53.6	<0.01	0.03	0.6	<0.005	1.79	2	0.06	4.4
M400804	0.08	0.02	<0.05	4.4	300	1.6	0.001	0.45	1.3	<0.2	0.2	59.3	<0.01	0.1	1.1	<0.005	2.93	2	0.06	5.53

M400738	0.16	0.01	0.08	10.9	220	19.2	<0.001	0.1	5.4	0.2	0.7	49.9	<0.01	0.05	3.7	<0.005	0.61	9	<0.05	4.12
M400746	0.24	<0.01	0.08	1.7	170	1.4	<0.001	0.01	0.3	<0.2	<0.2	42.1	<0.01	<0.01	<0.2	<0.005	0.41	1	0.07	0.79
M400749	10.35	<0.01	0.09	61.3	4270	13.5	0.036	1.34	5	7.3	0.8	128	<0.01	0.56	3.9	<0.005	4.17	69	10.95	22.6
M400754	0.14	<0.01	0.08	1.5	170	1.2	<0.001	0.01	0.3	<0.2	<0.2	45.8	<0.01	<0.01	<0.2	<0.005	0.42	1	0.07	0.81
M400756	25.3	<0.01	0.11	74.7	870	12.8	0.039	2.02	3.1	6.3	2.2	35.5	<0.01	0.82	2	<0.005	1.84	59	2.62	7.25
M400763	0.27	0.02	0.08	6.8	570	3.2	<0.001	0.77	2.1	0.7	0.3	103	<0.01	0.04	1.5	<0.005	1.74	3	0.1	4.99
M400712	0.16	0.01	0.17	1.5	160	1.1	<0.001	0.05	0.5	0.2	<0.2	43.3	<0.01	0.01	<0.2	<0.005	0.6	1	0.07	0.86
M400718	71.6	<0.01	0.05	75.9	1100	11.1	0.056	0.9	3.6	3.2	2.9	202	<0.01	0.37	3.6	<0.005	14.55	146	15.75	19.05
M400724	0.13	<0.01	<0.05	6	10	0.1	<0.001	0.08	0.2	0.2	<0.2	387	<0.01	<0.01	<0.2	<0.005	0.11	<1	<0.05	4.61
M400729	0.28	<0.01	<0.05	15.2	250	10.1	<0.001	0.49	5.6	0.2	0.5	144.5	<0.01	0.09	3.3	<0.005	0.67	9	0.32	7.84
M400732	0.11	<0.01	<0.05	4.7	170	0.6	<0.001	0.03	0.2	<0.2	<0.2	39.5	<0.01	<0.01	<0.2	<0.005	0.84	1	0.05	0.76
M400774	0.05	0.02	<0.05	0.9	190	0.3	0.001	0.18	0.3	<0.2	<0.2	82.4	<0.01	0.01	0.2	<0.005	1.41	1	<0.05	2.58
M400779	0.06	0.01	<0.05	1.1	180	1.8	<0.001	0.01	0.2	0.2	<0.2	43.2	<0.01	<0.01	<0.2	<0.005	0.53	1	<0.05	0.76
M400784	24.2	0.01	<0.05	70.9	830	12.7	0.036	1.89	2.9	5.5	1.9	30.8	<0.01	0.76	1.9	<0.005	1.81	63	2.43	6.64
M400796	0.05	0.02	<0.05	1.4	230	0.5	<0.001	0.24	0.6	0.2	<0.2	71.6	<0.01	0.01	0.4	<0.005	1.98	1	0.07	4.57
M400799	10.65	0.01	<0.05	61.2	4240	17.8	0.035	1.31	5.1	7	0.8	130.5	<0.01	0.54	3.9	<0.005	4.13	90	9.79	22.3
M400803	0.06	0.01	<0.05	1.6	190	1.9	0.001	0.01	0.3	<0.2	<0.2	38.3	<0.01	<0.01	<0.2	<0.005	0.45	2	<0.05	0.7

## Crag East

CE12-19

Sample	Zr
	ppm
M400708	5
M400709	5
M400710	5.3
M400711	5.5
M400713	5.8
M400714	7.5
M400715	4.2
M400716	3.6
M400717	3.3
M400719	4.4
M400720	4
M400721	3
M400722	<0.5
M400723	<0.5
M400725	4.2
M400726	2.4
M400727	2.1
M400728	2.5
M400730	2.5
M400731	2.5
M400733	2.8
M400734	3.3
M400735	5
M400736	4.2
M400737	4.5
M400739	4.3
M400740	4.1
M400741	4.7
M400742	4
M400743	4.6
M400744	7.2
M400745	10
M400747	8.8

## Crag East

Sample	Zr
	ppm
M400748	2.9
M400750	5.3
M400751	0.9
M400752	2.2
M400753	2.9
M400755	7.5
M400757	5.7
M400758	2.7
M400759	2
M400760	3.4
M400761	6.1
M400762	2.9
M400764	1
M400765	0.7
M400766	<0.5
M400767	<0.5
M400768	<0.5
M400769	<0.5
M400770	<0.5
M400771	<0.5
M400772	<0.5
M400773	0.5
M400775	2.2
M400776	3.1
M400777	2.6
M400778	0.6
M400780	2.7
M400781	1.1
M400782	<0.5
M400783	<0.5
M400785	<0.5
M400786	<0.5
M400787	2.4
M400788	<0.5
M400789	<0.5

## Crag East

Sample	Zr
	ppm
M400790	<0.5
M400791	2.8
M400792	1.6
M400793	0.9
M400794	1.2
M400795	1.3
M400797	1.8
M400798	1.9
M400800	3
M400801	2.1
M400802	1.9
M400804	4.1

M400738	4.1
M400746	<0.5
M400749	11.4
M400754	<0.5
M400756	7.3
M400763	2.6
M400712	<0.5
M400718	8.5
M400724	<0.5
M400729	2.4
M400732	<0.5
M400774	0.5
M400779	<0.5
M400784	6.9
M400796	1.3
M400799	6.2
M400803	<0.5

# CRAG EAST

Grid East	Grid North	Easting	Northing	Elev.	Depth (m)
		620373.642	7105966.441	841.146	161.54

**ZONE:** Malbec

**SECTION:** \_\_\_\_\_

**HOLE:** CE-12-20

**CLAIM:** Crag 403/Crag East 1

Contractor: Beaudoin

Drill: JKS-300

Core size: NTW Reduced at: \_\_\_\_\_ (m)

Casing depth: 4.40 (m) in / **out**

Drilling dates: \_\_\_\_\_ August 9 to 11, 2012

**TARGET:** \_\_\_\_\_

Geology logged by: K. Unger

SURVEY							
Depth (m)	Azimuth	Dip	Method	Depth (m)	Azimuth	Dip	Method
0.00	200	-45	Compass				
54.86	203.6	-45.5	Ranger Survey				
100.58	204.9	-45.7	Ranger Survey				
161.54	205.7	-44.9	Ranger Survey				

SUMMARY				
From (m)	To (m)	Interval	Unit	Comments
0.00	4.40	4.40	OVB	Overburden/casing, no recovery
4.40	34.40	30.00	DST	Variably weathered, solution breccia dolostone
34.40	34.97	0.57	DST	Weathered/clay altered, shattered dolostone/fault
34.97	46.44	11.47	DST	Variably weathered, solution breccia dolostone
46.44	61.27	14.83	DST	Weathered/clay altered, shattered dolostone
61.27	127.92	66.65	DST	Variably weathered, solution breccia dolostone
127.92	129.96	2.04	DST	Weathered/clay altered, rubbly dolostone
129.96	161.54	31.58	DST	Grey, solution breccia dolostone, weak weathering

SAMPLES
Numbers: <u>N832371 to N832441</u>
Total: <u>71</u>
Batch: <u>31, 34, 36</u>
Date Sent: _____
Certificate: <u>WH12195699, WH12194528, WH12194529</u>

COMMENTS
Hole oriented to test beneath strong As-Hg-Sb-Tl-Pb-Zn soil anomaly. Hole intersected deep weathered dolostone with horizons of clay altered, shattered dolostone fault material.

## CRAG EAST

Hole: CE-12-20

Logger Name: K. Unger

Date: Aug. 11, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other			
														Type	Intensity			Type			Conc. (%)
0.00	4.40	4.40					OVB														Overburden/casing, no recovery
4.40	161.54	157.14					DST	CG	MD LT	GY GY	BX BX			WEA CLY	2 2						Medium to light grey, variably weathered and clay altered, solution collapse breccia. Core is typically medium grey, angular to subangular clasts of dolomite altered carbonate in a coarse grained, white to light orange-grey solution breccia matrix. Rare relict bedding textures are seen preserved in clasts and along margins of solution breccia structures. solution breccia matrix variably dominates, making up >60% of core material to <20% where breccia is more crackle breccia in texture. Clay alteration present in bands <25 cm wide where weathering is strongest uphole. Brick-brown weathering is variable, generally decreasing with depth, becoming coatings on open fractures. Uphole, weathering is more pervasive along solution breccia structures, core is stained/broken along rusty these breccia structures. Core is blocky to rubbly where clay alteration is locally intense. Weathering absent below 140.51 m.
			34.40	34.97	0.57		DST	CG	MD	GY BX	BX BX			WEA CLY	4 3						Light brown to medium grey, strongly weathered (oxide?) altered, dolostone (fault?). Brown to grey clay binds grit/rubble clasts together. Core is variably competent, generally broken easily with fingers, leaving grey to white clasts with brown clay linings. Contacts are abrupt, obscured by broken core.
			46.44	61.27	14.83		DST	CG	MD	GY BX	BX BX			WEA CLY	4 3			Qz 0.01	x		Brown to medium and light grey, strongly weathered and clay altered (oxide?) shattered dolostone. Relict solution breccia textures are preserved with rusty brown crackle brecciation throughout. Core fractures easily along rusty-brown crackle breccia structures into gritty clasts with brown stained faces, at times brick red in colour. Core is at times competent, recovered as competent core easily broken, like oxide material, to competent blocks of core up to 22 cm wide. Weathering/oxide alteration decreases with depth in intensity, core becomes less friable and more competent gradationally with depth. Trace open vugs host <1 mm, clear quartz prisms and dark purple Mn staining.
			61.27	127.92	66.65		DST	CG	MD DK	GY GY	BX BX			WEA	1						Dark to medium grey, variably solution brecciated, weakly weathered dolostone. Core is generally blocky, with rusty staining on open fracture faces. solution breccia is variable, generally weak, at times near mosaic breccia in texture with narrow intervals of irregular, coarse grained white to white-orange solution breccia patches that support medium-dark grey clasts, in bands up to 34 cm wide. Where solution breccia is strongest, open vugs are lined with dirty bladed dolomite crystals and quartz prisms <1 mm to 1 mm long, at times with black coatings (pyrobitumen?). Relict bedding textures are variable throughout with variable orientations, usually undulose. Solution breccia structures and bedding are parallel to sub-parallel where the two overlap.

## CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY						ALTERATION				MINERALS				Photo	DETAILED DESCRIPTION					
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Realgar	Other								
														Type	Intensity			Type	Conc. (%)							
			127.92	129.96	2.04		DST	CG	MD	GY	BX				WEA	3										Medium grey to brown, blocky to rubbly, variably clay altered and weathered, variably brecciated dolostone. Core is typically present grey to white blocks with brown-black staining on fractures, to brown rubble where alteration is strongest. Solution breccia textures defined by irregular white dolomitic bodies are with grey clasts, at times exhibiting re-collapse, with blocks of white solution collapse breccia within clast supported breccia.
										BN	BX				CLY	2										
			140.51	161.54	21.03		DST	CG	DK	GY	BX															Dark to light grey, variably solution brecciated dolostone. Core is competent, fracturing irregularly with fresh fracture faces. Solution breccia textures are variable throughout, locally dominant as coarse grained, white dolomite filled structures to zebra-like patches. Relict bedding is intermittent, with parallel to sub parallel solution breccias where the two overlap.
									LT	GY	BX															EOH, past targeted depth through structures testing beneath geochemical anomalies.

## CRAG EAST

Hole: CE-12-20

Logger Name: K. Unger

Date: Aug. 11, 2012

Depth (m)	DESCRIPTION
34.40	Abrupt CN, competent sBX DST becomes soft, CLY altered rock below 34.40 m. Contact is obscured by broken core.
34.97	Abrupt CN, becoming competent DST below broken rubble at 34.97 m, obscured by broken core.



## CRAG EAST

Hole: CE-12-09

Logger Name: K. Unger

Date: Aug. 11, 2012

2° Structure Type	From (m)	To (m)	Attitude (to core axis)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
FR	4.40	140.51	50.00	n/a				Preferential orientation to fractures, primarily 50-55 degrees to core axis, though other random orientations are seen. Fractures are rusty brown, variably hosting clay coatings, up to 20 per meter, and as low as 6 per meter where core is more competent.	
FLT	14.97		50.00	n/a				Brown, 6 cm wide gouge and grit fault, oriented 50 degrees to core axis. Grey grit/rubble is supported in brown gouge and grit. upper contact is obscured by broken core, lower contact is sharp, oriented 50 degrees to core axis.	
BX	46.44	61.27	30.00	n/a				Brown, 1 to < 1 mm wide, intense crackle breccia structures. Core is friable with ease, along crackle breccia structures that are randomly oriented. A weakly preferential orientation ~30 degrees to core axis in scattered bands.	
FLT	95.00		35.00	0.00				Black and rusty grey, debrite bed (fault?) with polyliithic clasts supported by soft matrix, often with rusty coatings, in a band 12 cm wide, oriented 35 degrees to core axis, 0 degrees to bedding.	



# CRAG EAST

Hole: CE-12-20

Date: Aug. 11, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
4.40	6.10	1.70	1.63	96	N832371	31					4.7
6.10	9.14	3.04	2.80	92	N832372	34					9.0
9.14	12.19	3.05	3.01	99	N832373	34					9.2
12.19	15.24	3.05	2.76	90	N832374	34					8.4
15.24	18.29	3.05	2.82	92	N832375	34					8.5
18.29	21.34	3.05	2.92	96	N832376	34					9.7
		0.00		####	N832377	34				Standard GS-4D	0.3
21.34	24.38	3.04	2.98	98	N832378	34					9.7
24.38	27.43	3.05	3.02	99	N832379	34					9.3
27.43	30.48	3.05	2.82	92	N832380	34					9.3
30.48	33.40	2.92	2.79	96	N832381	34					9.2
33.40	34.40	1.00	0.95	95	N832382	34					4.2
		0.00		####	N832383	34				1/4 Duplicate	1.4
34.40	34.97	0.57	0.50	88	N832384	34					1.6
		0.00		####	N832385	34				Coarse Reject	
34.97	36.58	1.61	1.55	96	N832386	34					4.2
36.58	39.62	3.04	2.95	97	N832387	34					9.5
39.62	42.67	3.05	3.05	100	N832388	34					9.6
		0.00		####	N832389	34				Blank	3.8
		0.00		####	N832390	34				Standard ME-8	0.3
42.67	45.72	3.05	3.03	99	N832391	34					9.0
45.72	46.44	0.72	0.70	97	N832392	34					2.6
46.44	48.77	2.33	2.22	95	N832393	34					6.7
48.77	51.82	3.05	3.02	99	N832394	34					9.0
51.82	54.86	3.04	3.00	99	N832395	34					9.0
		0.00		####	N832396	34				Blank	3.0
54.86	57.91	3.05	2.96	97	N832397	34					9.0
57.91	59.00	1.09	0.92	84	N832398	34					3.1

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
59.00	61.27	2.27	1.71	75	N832399	34					7.4
61.27	64.01	2.74	2.40	88	N832400	34					8.0
64.01	67.06	3.05	2.99	98	N832401	34					9.6
67.06	70.10	3.04	2.80	92	N832402	34					8.9
70.10	73.15	3.05	2.76	90	N832403	34					9.0
73.15	76.20	3.05	2.98	98	N832404	34					8.8
76.20	79.25	3.05	3.05	100	N832405	34					9.0
79.25	82.30	3.05	3.04	100	N832406	34					9.0
82.30	85.34	3.04	2.90	95	N832407	34					9.2
85.34	88.39	3.05	2.85	93	N832408	36					9.0
88.39	91.44	3.05	3.05	100	N832409	36					9.8
91.44	94.49	3.05	3.04	100	N832410	36					10.1
94.49	95.29	0.80	0.75	94	N832411	36					2.6
		0.00		####	N832412	36				Standard GS-8B	0.3
95.29	97.54	2.25	2.09	93	N832413	36					6.7
97.54	100.58	3.04	3.04	100	N832414	36					10.0
100.58	103.63	3.05	3.01	99	N832415	36					9.8
		0.00		####	N832416	36				Coarse Reject	
103.63	106.68	3.05	3.05	100	N832417	36					9.8
106.68	109.73	3.05	3.05	100	N832418	36					9.3
109.73	112.78	3.05	3.05	100	N832419	36					9.2
112.78	115.82	3.04	3.04	100	N832420	36					10.0
115.82	118.87	3.05	3.03	99	N832421	36					9.6
		0.00		####	N832422	36				1/4 Duplicate	4.7
		0.00		####	N832423	36				Blank	4.8
118.87	121.92	3.05	3.05	100	N832424	36					9.8
		0.00		####	N832425	36				Standard ME-8	0.3
121.92	124.97	3.05	3.05	100	N832426	36					10.2
124.97	127.92	2.95	2.94	100	N832427	36					9.0
		0.00		####	N832428	36				Blank	4.3
127.92	128.50	0.58	0.55	95	N832429	36					1.8

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
128.50	129.96	1.46	1.44	99	N832430	36					4.6
129.96	131.06	1.10	1.10	100	N832431	36					3.5
131.06	134.11	3.05	3.02	99	N832432	36					9.5
134.11	137.16	3.05	2.94	96	N832433	36					9.6
137.16	140.21	3.05	2.97	97	N832434	36					9.8
140.21	143.26	3.05	2.99	98	N832435	36					9.8
143.26	146.30	3.04	3.01	99	N832436	36					9.7
146.30	149.35	3.05	3.01	99	N832437	36					9.7
149.35	152.40	3.05	2.95	97	N832438	36					9.0
152.40	155.45	3.05	3.03	99	N832439	36					9.6
155.45	158.50	3.05	3.05	100	N832440	36					10.0
158.50	161.54	3.04	3.04	100	N832441	36					9.0

# CRAG EAST

Hole: CE-12-20

Tech Name: DYCK

Date: 12-AUG-12

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
4.40	6.10	1.70	1.63	96	0.64	38	1	1	2S	5W	40	INF	200	2	3R	5W	
6.10	9.14	3.04	2.80	92	0.95	31	3	1	3S	5W	50	INF	150	1	2R	5W	
9.14	12.19	3.05	3.01	99	1.85	61	4	1	3S	4W	50	0.08	30	2	3R	5W	
12.19	15.24	3.05	2.76	90	2.26	74	3	1	4S	5W	30	0.12	50	2	3R	5W	
15.24	18.29	3.05	2.82	92	1.28	42	2	1	3S	4W	40	0.07	10	1	2R	4W	
18.29	21.34	3.05	2.92	96	1.91	63	2	1	4S	2W	60	0.09		1	2R	3W	
21.34	24.38	3.04	2.98	98	2.03	67	3	1	3S	2W	60	0.1		1	3R	3W	
24.38	27.43	3.05	3.02	99	2.92	96	3	1	4S	3W	40	0.15		3	3R	4W	
27.43	30.48	3.05	2.82	92	1.68	55	2	1	3S	2W	30	0.09		2	2R	4W	
30.48	33.53	3.05	2.82	92	2.42	79	2	1	3S	3W	50	0.12	10	2	2R	4W	
33.53	36.58	3.05	2.92	96	2.62	86	2	1	3S	5W	40	0.13	30	2	3R	5W	
36.58	39.62	3.04	2.95	97	2.40	79	3	1	3S	4W	50	0.14	40	2	3R	5W	
39.62	42.67	3.05	3.05	100	1.94	64	2	1	3S	4W	40	INF	60	1	2R	5W	
42.67	45.72	3.05	3.03	99	1.90	62	2	1	3S	3W	40	0.13		1	2R	4W	
45.72	48.77	3.05	2.86	94	0.97	32	3	1	3S	3W	60	0.1		1	3R	4W	
48.77	51.82	3.05	3.02	99	1.98	65	3	1	2S	4W	60	INF	500	2	3R	5W	
51.82	54.86	3.04	3.00	99	2.10	69	4	1	3S	4W	70	0.11	30	2	3R	5W	
54.86	57.91	3.05	2.96	97	1.29	42	4	1	2S	3W	60	INF	30	2	2R	4W	
57.91	60.96	3.05	3.05	100	0.19	6	4	1	2S	4W	50	INF	220	2	3R	5W	
60.96	64.01	3.05	2.85	94	1.78	58	3	1	4S	3W	60	0.09		1	3R	3W	
64.01	67.06	3.05	2.99	98	2.29	75	1	1	3S	2W	60	0.12		1	2R	3W	
67.06	70.10	3.04	2.80	92	1.02	34	2	1	3S	3W	60	INF	30	1	3R	3W	
70.10	73.15	3.05	2.76	90	1.49	49	2	1	3S	3W	60	INF	20	1	2R	4W	
73.15	76.20	3.05	2.98	98	0.77	25	2	1	3S	3W	60	INF		1	2R	4W	
76.20	79.25	3.05	3.05	100	1.74	57	0	1	4S	2W	60	0.1		2	2R	3W	
79.25	82.30	3.05	3.04	100	1.88	62	0	1	3S	4W	50	0.13	70	2	2R	4W	
82.30	85.34	3.04	2.90	95	1.56	51	0	1	4S	4W	30	0.09	20	2	2R	4W	
85.34	88.39	3.05	2.85	93	1.70	56	0	1	3S	3W	50	0.1		1	3R	4W	
88.39	91.44	3.05	3.05	100	2.70	89	0	1	3S	3W	40	0.16	10	1	3R	4W	
91.44	94.49	3.05	3.04	100	2.92	96	0	1	4S	1W	60	0.25		1	2R	2W	
94.49	97.54	3.05	2.84	93	2.20	72	0	1	3S	3W	40	0.13		2	3R	3W	

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCI Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering	
97.54	100.58	3.04	3.04	100	2.81	92	0	1	4S	2W	40	0.17		1	2R	3W	
100.58	103.63	3.05	3.01	99	2.55	84	0	1	3S	2W	60	0.15		1	2R	3W	
103.63	106.68	3.05	3.05	100	2.83	93	0	1	4S	2W	60	0.15		1	2R	3W	
106.68	109.73	3.05	3.05	100	2.90	95	0	1	3S	2W	50	0.22		1	2R	3W	
109.73	112.78	3.05	3.05	100	2.89	95	0	1	3S	3W	60	0.17		1	2R	3W	
112.78	115.82	3.04	3.04	100	2.88	95	1	1	3S	2W	40	0.19		2	3R	3W	
115.82	118.87	3.05	3.03	99	2.92	96	2	1	4S	1W	40	0.25		1	2R	2W	
118.87	121.92	3.05	3.05	100	2.86	94	1	1	3S	1W	60	0.2		2	3R	2W	
121.92	124.97	3.05	3.05	100	2.95	97	2	1	4S	1W	50	0.25		1	2R	3W	
124.97	128.02	3.05	3.01	99	1.68	55	0	1	3S	3W	60	0.08		1	3R	4W	
128.02	131.06	3.04	3.02	99	0.95	31	0	1	2S	5W	50	INF	100	2	3R	5W	
131.06	134.11	3.05	3.02	99	2.22	73	0	1	4S	2W	50	0.1		2	2R	3W	
134.11	137.16	3.05	2.94	96	2.21	72	0	1	3S	2W	60	0.12		1	3R	3W	
137.16	140.21	3.05	2.97	97	2.17	71	1	1	3S	2W	50	0.11		2	3R	4W	
140.21	143.26	3.05	2.99	98	2.76	90	1	1	3S	1W	50	0.21		2	3R	3W	
143.26	146.30	3.04	3.01	99	2.92	96	1	1	3S	1W	60	0.27		2	2R	2W	
146.30	149.35	3.05	3.01	99	2.30	75	2	1	3S	1W	70	0.14		2	3R	2W	
149.35	152.40	3.05	2.95	97	1.83	60	1	1	3S	3W	50	0.11	20	2	3R	4W	
152.40	155.45	3.05	3.03	99	2.67	88	1	1	3S	1W	70	0.14		2	3R	1W	
155.45	158.50	3.05	3.05	100	2.71	89	0	1	3S	1W	50	0.15		1	3R	1W	
158.50	161.54	3.04	3.04	100	2.42	80	1	1	4S	1W	50	0.12		1	2R	1W	EOH

# CRAG EAST

Hole: CE-12-20

Date: Aug. 11, 2012

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
6	n/a		randomly oriented solution breccia
8	n/a		randomly oriented solution breccia
10	n/a		randomly oriented solution breccia
12	n/a		randomly oriented solution breccia
14	n/a		randomly oriented solution breccia
16	n/a		randomly oriented solution breccia
18	n/a		randomly oriented solution breccia
20	n/a		randomly oriented solution breccia
22	n/a		randomly oriented solution breccia
24	BD	13	Undulate bedding
26	BD	50	Undulate bedding
28	n/a		randomly oriented solution breccia
30	n/a		randomly oriented solution breccia
32	n/a		randomly oriented solution breccia
34	n/a		randomly oriented solution breccia
36	n/a		randomly oriented solution breccia
38	n/a		randomly oriented solution breccia
40	n/a		randomly oriented solution breccia
42	n/a		randomly oriented solution breccia
44	n/a		randomly oriented solution breccia
46	n/a		randomly oriented solution breccia
48	n/a		randomly oriented solution breccia
50	n/a		randomly oriented solution breccia
52	n/a		randomly oriented solution breccia
54	n/a		randomly oriented solution breccia
56	n/a		randomly oriented solution breccia
58	n/a		randomly oriented solution breccia



## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
60	n/a		randomly oriented solution breccia
62	n/a		randomly oriented solution breccia
64	n/a		randomly oriented solution breccia
66	n/a		randomly oriented solution breccia
68	n/a		randomly oriented solution breccia
70	n/a		randomly oriented solution breccia
72	n/a		randomly oriented solution breccia
74	n/a		randomly oriented solution breccia
76	n/a		randomly oriented solution breccia
78	n/a		randomly oriented solution breccia
80	n/a		randomly oriented solution breccia
82	n/a		randomly oriented solution breccia
84	n/a		randomly oriented solution breccia
86	n/a		randomly oriented solution breccia
88	n/a		randomly oriented solution breccia
90	n/a		randomly oriented solution breccia
92	BD	17	relict bedding
94	BD	0	relict bedding
96	BD	20	relict bedding
98	n/a		randomly oriented solution breccia
100	n/a		randomly oriented solution breccia
102	BD	70	relict bedding
104	BD	43	relict bedding
106	BD	68	relict bedding
108	BD	65	relict bedding
110	n/a		
112	n/a		
114	n/a		
116	n/a		

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
118	n/a		
120	BD	0	Undulate bedding
122	BD	20	Undulate bedding
124	n/a		
126	BD	53	
128	n/a		
130	n/a		
132	BD	25	
134	n/a		
136	BD	5	Folded, breccia along bedding
138	n/a		randomly oriented breccia
140	n/a		broken beds
142	n/a		
144	n/a		
146	n/a		
148	n/a		
150	n/a		
152	n/a		
154	n/a		
156	n/a		
158	BD	5	breccia, undulate bedding
160	BD	0	breccia, undulate bedding



# CRAG EAST

Hole: CE-12-20

Date: 12-AUG-

Box #	From (m)	To (m)
1	4.40	7.96
2	7.96	11.92
3	11.92	15.84
4	15.84	19.76
5	19.76	24.25
6	24.25	27.78
7	27.78	31.83
8	31.83	35.94
9	35.94	40.05
10	40.05	43.65
11	43.65	47.60
12	47.60	51.82
13	51.82	55.69
14	55.69	59.41
15	59.41	62.82
16	62.82	66.79
17	66.79	70.55
18	70.55	74.34
19	74.34	78.12
20	78.12	81.90
21	81.90	85.62
22	85.62	89.57
23	89.57	93.77
24	93.77	98.00
25	98.00	102.05
26	102.05	106.09
27	106.09	110.14
28	110.14	114.38
29	114.38	118.62

## CRAG EAST

30	118.62	122.87
31	122.87	126.99
32	126.99	130.26
33	130.26	134.11
34	134.11	138.08
35	138.08	141.72
36	141.72	146.01
37	146.01	149.85
38	149.85	153.72
39	153.72	157.67
40	157.67	161.54
EOH		

## CRAG EAST

### CE-12-20

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
30	9.14	176.6	201.6	-45.9	57201	78.8	1.004	47.3	62.5	241.7	-1.59	11/8/2012 21:41
80	24.38	177.7	202.7	-45.9	57333	78.9	1.004	47.5	75.3	254.7	-1.02	11/8/2012 21:36
130	39.62	178.3	203.3	-45.6	57370	78.9	1.004	47.8	75.7	255.4	-0.45	11/8/2012 21:26
180	54.86	178.6	203.6	-45.5	57344	78.9	1.004	47.8	64.5	244.2	-0.4	11/8/2012 21:21
230	70.10	178.4	203.4	-45.7	57331	78.8	1.004	48.2	44.8	224.4	-0.91	11/8/2012 21:10
280	85.34	179	204	-45.7	57364	78.8	1.005	47.8	53.2	233	-1.22	11/8/2012 21:03
330	100.58	179.9	204.9	-45.7	57352	78.9	1.004	48.2	51.7	231.7	-0.27	11/8/2012 20:56
380	115.82	180	205	-45.6	57373	78.8	1.004	49.3	40.8	220.8	-1.44	11/8/2012 20:49
430	131.06	179.1	204.1	-45.8	57355	78.8	1.003	49.1	28.7	208.5	-2.5	11/8/2012 20:42
480	146.30	180.5	205.5	-45.1	57446	78.8	1.005	50.4	86.3	266.4	-0.45	11/8/2012 20:31
530	161.54	180.7	205.7	-44.9	57473	78.8	1.004	57	84.6	264.7	0	11/8/2012 20:20



## CRAG EAST

Hole: CE-12-21

Logger Name: H. Friday

Date: Aug. 12, 2012

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other			
														Type	Intensity		Type			Conc. (%)
0.00	4.57	4.57					OVB													Casing/overburden, no recovery
4.57	54.86	50.29					DST													Bedded to brecciated to mottled dolostone.
			4.57	10.45	5.88		DST	FG	LT MD	GY BN	BD BX RB FX	2								Light to medium grey to brown bedded to brecciated dolostone. Interval highly fractured to rubble. Brecciation generated by dolomite stringers and oxidized seams throughout. Dolomite veinlets and veins also seen throughout - typically pinkish-orange in colour and often vuggy - often following bedding plane. Oxidation seen on all fracture surfaces - dark brown to grey, often altering veins.
			10.45	18.97	8.52		DST	FG	LT MD	GY FX	RB BD BX	2	CAR	2						Light to medium grey bedded to brecciated dolostone. Entire interval highly fractured to rubble. Breccia generated by dolomite stringers with 20 cm segments of angular tectonic breccia with a very dark grey matrix. Dolomite veinlets and veins also seen throughout - pinkish-orange in colour, occasionally vuggy and often following bedding plane. Dark brown oxidations seen on most fracture surfaces as well as a very dark grey-black sooty (carbon?) coating on most fractures. Dark grey dissolution seams seen throughout, typically 1-3 mm thick.
			18.97	24.85	5.88		DST	FG	MD	GY	BD BX	1								Medium grey bedded to brecciated dolostone. Mild breccia generated from dolomite veinlets throughout and a few small dark grey seams throughout, with mild solution collapse breccia. Vugs seen throughout. Dolomite stringers, veinlets and veins are seen throughout, typically along bedding. Weak oxidation seen on fracture surfaces with <<1 mm oxidized stringers throughout. A few small <2 mm thick dissolution seams - typically very undulatory and crosscutting bedding and veinlets/veins.
			24.85	26.70	1.85		DST	FG	MD DK	GY BX		1	CAR	2	0.01					Medium to dark grey brecciated dolostone. Breccia generated from black stringers, dissolution seams and oxidized dolomite stringers throughout. Dissolution seams 1-4 mm thick, very undulatory and have no preferred orientation. Weak brown-orange oxidation seen on select fracture surfaces, with moderate carbon coating on most fracture surfaces. Trace fine grained pyrite seen.



**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other			
														Type	Intensity		Type	Conc. (%)		
			27.60	28.93	1.33	DST	FG	LT MD	GY TN	BX		3				0.01				Light to medium grey to tan/orange brecciated dolostone. Brecciation generated by dolomite stringers and dark grey and oxidized seams throughout. Occasionally vuggy. Brown oxidation seen on select fracture surfaces in addition to a reddish-brown oxidation on fracture surfaces. Dolomite veinlets/veins oxidized. A few small 1-2 mm thick very undulatory dissolution seams seen. Small rubble patches 20 cm. Vugs also seen in non-veined segments in the dolostone. Trace fine grained bright pyrite.
			28.93	41.76	12.83	DST	FG	LT MD	GY BD	BX MO		2								Light to medium grey bedded to brecciated to mottled dolostone. Textures change frequently and often overprint each other. Mottled dolostone generated from small 1-3 mm dolomite blebs in grey dolostone matrix. Breccia generated from dolomite stringers and mild solution collapse. Dolomite veinlets and veins throughout typically along bedding and often vuggy, appearing white to light grey. Weak oxidations seen throughout on all fracture surfaces - medium to dark brown-orange, occasionally reddish. Occasional enveloping of fracture surfaces (1-2 mm thick). Small oxidized stringers seen throughout.
			41.76	42.36	0.60	DST	FG	LT MD	GY BN RD	BX FX		3								Light to medium grey to brownish-red brecciated and fractured dolostone. Breccia generated from dolomite stringers and solution collapse. Dolomite veinlets and veins also seen throughout, often vuggy. Oxidation pervasive throughout interval seen enveloping fractures and veins up to 1 cm thick - oxidation is a dark brownish-red colour. Also seen in vugs of veins.
			42.36	49.36	7.00	DST	FG	LT MD	GY	BX BD		2								Light to medium grey solution collapse brecciated to bedded dolostone. White to grey dolomite veinlets, stringers and veins throughout, often vuggy - with blades of dolomite seen in vugs. Weak oxidation seen on fracture surfaces - orange-brown in colour, occasionally altering veins and veinlets.
			49.36	54.86	5.50	DST	FG	MD DK	GY	BX DB		1	CLY	2	0.01					Medium to dark grey brecciated to debris flow dolostone. Breccia ranges from solution collapse to tectonic breccia with very angular clasts in a medium-grey calcareous matrix. Segments of debrite with siltstone clasts throughout - typically angular. Fine grained dull pyrite blebs seen in the debris flow segments.
54.86	58.33	3.47				DST				DB										Debris flow with dolostone, siltstone and occasionally chert clasts.

**CRAG EAST**

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION		
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other				
														Type	Intensity		Type	Conc. (%)			
			54.86	58.33	3.47		DST	FG	DK	GY	DB					CLY	2	0.01			Dark to medium grey debris flow dolostone and siltstone subangular clasts in a mildly calcareous matrix. Chert clasts also occasionally seen. Matrix dark grey with sand-sized white clasts throughout. Segments of limey dolostone are scattered throughout. Trace pyrite - very fine grained, bright, seen overprinting select clasts. A few dolomite stringers throughout. Sharp contacts @ 40 degrees to core axis.
									MD												
58.33	133.20	74.87					DST														Bedded to brecciated to mottled dolostone.
			58.33	68.17	9.84		DST	FG	LT	GY	BD	1		ASO	1						Light to medium grey bedded to brecciated to mottled dolostone. Breccia is typically solution collapse to crackle - generated from dolomite stringers and veinlets and dark grey seams. Mottled texture has subrounded dolomite clasts 1-5 mm in a grey dolostone matrix. Dolomite veinlets and veins seen throughout - generally along bedding plane and often sparry with dark grey infill. Occasionally vuggy. Weak orange-brown oxidation seen on fracture surfaces as well as a mild yellow-green arsenic oxide.
									MD		MO										
											BX										
			68.17	84.58	16.41		DST	FG	LT	GY	MO	1		SIL	3						Light to medium grey dolostone with rounded to subrounded white to light grey dolomite clasts throughout. Clasts are 2-5 mm in size and are often elongate. Interval ranges from clasts supported to clast-sparse. Interval moderately silicified with dark grey very fine grained quartz filling in any voids in the dolostone. Weak oxidation seen on surfaces - orange to reddish-brown. Dolomite stringers and veinlets seen infrequently throughout, occasionally oxidized and vuggy.
									MD												
			84.58	90.09	5.51		DST	FG	LT	GY	BX	2		SIL	2						Light to medium grey bedded to mottled and brecciated dolostone. Mottled segments have 2-5 mm subrounded dolomite clasts in a dolostone matrix. Breccia generated from mild solution collapse breccia and dolomite and clay seams throughout. Clay alteration seen in stringers, patchy silicification throughout, with very fine grained grey quartz filling vugs. Pinkish-grey oxidation throughout on most fracture surfaces.
									MD		BD			CLY	1						
											MO										
			90.09	101.87	11.78		DST	FG	MD	GY	BD					0.01	Sb	0.01			Medium grey bedded to solution collapse brecciated dolostone. Dolomite veinlets and veins seen throughout, often along bedding plane and occasionally vuggy, with bladey dolomite seen. Trace stibnite seen on bladey dolomite fracture surfaces - dark grey needles. Small segments of crackle breccia generated by dolomite stringers. Trace fine grained bright pyrite seen throughout.
											BX										
			101.87	104.86	2.99		DST	FG	LT	GY	BX					0.01					Light grey to tan solution collapse brecciated dolostone. Grey dolomite throughout with a light tan dolomite overprinting with the solution breccia. Trace fine grained bright pyrite seen typically along grey dolomite veins/veinlets - often in the infilled centre vug. Interval vuggy.

### CRAG EAST

GENERAL INTERVAL			DETAILED INTERVAL			LITHOLOGY					ALTERATION				MINERALS			Photo	DETAILED DESCRIPTION	
From (m)	To (m)	Interval (m)	From (m)	To (m)	Interval (m)	Unit	Rock Type	Grain Size	Shade	Colour	Texture	Oxidation	Silicification	Other		Pyrite	Other			
														Type	Intensity		Type			Conc. (%)
											TN									
			104.86	130.34	25.48		DST	FG	MD	GY	BD BX					0.01				Medium grey bedded dolostone with small segments of solution collapse breccia. Dolomite stringers infrequently throughout generating zones of mild crackle breccia. Dolomite veinlets and veins seen parallel to bedding locally, and in higher concentration in zones of solution collapse breccia - occasionally vuggy. Trace fine grained, bright pyrite seen along bedding planes typically in middle of dolomite veinlets.
			130.34	133.20	2.86		DST	FG	MD	GY	BX					0.01				Medium to dark grey solution collapse breccia dolostone. Dark grey dissolution seams throughout - with the larger (2-4 mm thick) ones containing very fine grained greenish pyrite. Very few dolomite clasts throughout. Solution collapse breccia often appears mildly sheared, with clasts often elongate.
				EOH							DK	SH								EOH, reached targeted depth testing under As-Hg-Sb- Tl-Pb-Zn soil anomaly. No visible Carlin-type alteration or mineralization noted, though needles of stibnite are noted, unseen elsewhere in Malbec Zone or Crag East to date.



**CRAG EAST**

**Hole: CE-12-21**

**Logger Name: H. Friday**

**Date: Aug. 11, 2012**

2° Structure Type	From (m)	To (m)	Attitude (TCA)	Attitude (TRFE)	Count	MINERALS		DESCRIPTION	Photo
						Type	Conc. (%)		
RBL	8.23	18.97	-	-	1.00			Rubble to highly fractured. Carbon often seen on fracture surfaces.	









# CRAG EAST

Hole: CE-12-21

Date: August 12, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
4.57	6.34	1.77	1.54	87	M400805	32					4.2
6.34	8.23	1.89	1.60	85	M400806	33					3.9
8.23	10.45	2.22	2.22	100	M400807	33					6.0
10.45	11.28	0.83	0.83	100	M400808	33					2.2
11.28	14.33	3.05	3.05	100	M400809	33					8.0
14.33	17.37	3.04	2.87	94	M400810	33					8.0
-	-	-	-	-	M400811	33				Standard GS-4D	0.3
17.37	18.97	1.60	1.60	100	M400812	33					4.4
18.97	20.42	1.45	1.41	97	M400813	33					3.8
18.97	20.42	1.45	-	-	M400814	33				1/4 duplicate	1.4
20.42	23.47	3.05	3.05	100	M400815	33					8.1
23.47	24.85	1.38	1.37	99	M400816	33					3.4
24.85	26.70	1.85	1.85	100	M400817	33					4.5
-	-	-	-	-	M400818	33				Blank	3.8
26.70	28.93	2.23	2.23	100	M400819	33					5.6
28.93	29.57	0.64	0.63	98	M400820	33					1.8
29.57	32.61	3.04	3.03	100	M400821	33					8.2
32.61	35.66	3.05	3.00	98	M400822	33					8.0
35.66	38.71	3.05	3.04	100	M400823	33					8.0
38.71	41.76	3.05	3.05	100	M400824	33					8.1
41.76	42.36	0.60	0.59	98	M400825	33					1.5
42.36	44.81	2.45	2.37	97	M400826	33					6.3
44.81	47.85	3.04	3.04	100	M400827	33					8.4
-	-	-	-	-	M400828	33				Coarse Reject	
47.85	49.36	1.51	1.51	100	M400829	33					4.1
49.36	50.90	1.54	1.54	100	M400830	33					3.6
50.90	53.95	3.05	3.05	100	M400831	33					7.8
53.95	54.86	0.91	0.91	100	M400832	33					2.4

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
-	-	-	-	-	M400833	33				Standard GS-8B	0.3
54.86	57.00	2.14	2.14	100	M400834	33					4.8
57.00	58.33	1.33	1.33	100	M400835	33					3.5
-	-	-	-	-	M400836	33				Blank	4.6
58.33	60.05	1.72	1.59	92	M400837	33					4.1
60.05	63.09	3.04	3.04	100	M400838	33					8.2
63.09	66.14	3.05	3.04	100	M400839	33					7.9
66.14	68.17	2.03	1.99	98	M400840	33					5.4
68.17	69.19	1.02	0.96	94	M400841	33					2.5
69.19	72.24	3.05	3.05	100	M400842	35					7.5
72.24	75.29	3.05	3.05	100	M400843	35					7.6
75.29	78.33	3.04	2.90	95	M400844	35					7.4
78.33	81.38	3.05	3.05	100	M400845	35					7.4
-	-	-	-	-	M400846	35				Standard GS-8B	0.3
81.38	83.00	1.62	1.62	100	M400847	35					4.2
83.00	84.58	1.58	1.58	100	M400848	35					4.2
84.58	87.48	2.90	2.89	100	M400849	35					7.4
87.48	90.09	2.61	2.57	98	M400850	35					6.8
-	-	-	-	-	M400851	35				Coarse Reject Duplicate	
90.09	91.98	1.89	1.86	98	M400852	35					4.7
91.98	93.57	1.59	1.67	105	M400853	35					4.0
93.57	96.62	3.05	3.04	100	M400854	35					8.2
96.62	99.67	3.05	3.05	100	M400855	35					7.8
99.67	101.87	2.20	2.15	98	M400856	35					5.2
101.87	104.86	2.99	2.99	100	M400857	35					8.2
104.86	105.77	0.91	0.86	95	M400858	35					2.4
104.86	105.77	0.91	-	-	M400859	35				1/4 Duplicate	1.1
105.77	108.81	3.04	3.01	99	M400860	35					7.5
108.81	111.86	3.05	3.05	100	M400861	35					7.8
111.86	114.91	3.05	3.02	99	M400862	35					7.7
114.91	117.96	3.05	3.00	98	M400863	35					8.0

## CRAG EAST

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	Sample Number	Batch	Au (g/t)	Ag (g/t)	As (ppm)	Comments	Sample Weight (kg)
-	-	-	-	-	M400864	35				Standard GS-4D	0.3
117.96	121.01	3.05	2.98	98	M400865	35					7.6
121.01	124.05	3.04	3.04	100	M400866	35					7.4
124.05	127.10	3.05	2.92	96	M400867	35					7.4
-	-	-	-	-	M400868	35				Blank	4.8
127.10	129.00	1.90	1.89	99	M400869	35					5.0
129.00	130.34	1.34	1.23	92	M400870	35					3.0
130.34	133.20	2.86	2.86	100	M400871	35					7.2
-	-	-	-	-	M400872	35				Blank	3.6

# CRAG EAST

Hole: CE-12-21

Tech Name: Mark Alban

Date: August 12, 2012

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery (%)	RQD (m)	RQD (%)	HCl Reactivity	Hardness	Strength	Weathering	Joint Sets						DESCRIPTION	
											Attitude (TCA)	Freq (m)	Gouge Width (mm)	Shape	Roughness	Weathering		
0.00	4.57	4.57		0		0												OVB
4.57	5.18	0.61	0.36	59	0.00	0	0	1	3S	4W	55	0.05	-	3	3R	4W		
5.18	8.23	3.05	2.69	88	1.37	45	0	1	3S	2W	70	0.08	-	2	2R	3W		
8.23	11.28	3.05	2.94	96	0.56	18	0	1	3S	4W	70	inf	-	3	2R	4W	rubbly	
11.28	14.33	3.05	3.05	100	0.73	24	0	1	3S	4W	70	inf	-	3	2R	4W	heavily fractured	
14.33	17.37	3.04	2.87	94	1.07	35	0	1	3S	3W	65	0.02	-	3	2R	4W		
17.37	20.42	3.05	3.01	99	2.29	75	1	1	3S	2W	55	0.12	-	2	3R	3W		
20.42	23.47	3.05	3.05	100	2.94	96	1	1	3S	2W	60	0.17	-	2	3R	3W		
23.47	26.52	3.05	3.04	100	2.30	75	1	1	3S	2W	55	0.15	-	2	3R	3W		
26.52	29.57	3.05	3.05	100	2.22	73	1	1	3S	2W	45	0.12	-	2	3R	3W		
29.57	32.61	3.04	3.03	100	2.47	81	1	1	3S	2W	60	0.18	-	2	3R	3W		
32.61	35.66	3.05	3.00	98	2.51	82	1	1	3S	2W	60	0.12	-	2	3R	3W		
35.66	38.71	3.05	3.04	100	2.13	70	1	1	4S	2W	60	0.1	-	2	3R	3W		
38.71	41.76	3.05	3.05	100	1.79	59	1	1	3S	2W	65	0.11	-	2	3R	3W		
41.76	44.81	3.05	2.96	97	2.28	75	1	1	3S	2W	70	0.16	-	2	3R	3W		
44.81	47.85	3.04	3.04	100	2.24	74	1	1	3S	2W	60	0.11	-	2	3R	3W		
47.85	50.90	3.05	2.98	98	2.04	67	1	1	3S	1W	60	0.11	-	2	3R	3W		
50.90	53.95	3.05	3.05	100	2.60	85	1	1	3S	1W	60	0.15	-	2	3R	2W		
53.95	57.00	3.05	3.00	98	2.51	82	1	1	3S	1W	45	0.15	-	2	3R	1W		
57.00	60.05	3.05	2.79	91	1.51	50	1	1	3S	1W	35	0.11	-	2	3R	2W		
60.05	63.09	3.04	3.04	100	2.06	68	1	2	3S	1W	50	0.11	-	2	3R	2W		
63.09	66.14	3.05	3.04	100	2.58	85	1	2	3S	1W	50	0.12	-	2	2R	2W		
66.14	69.19	3.05	2.98	98	2.68	88	1	2	3S	1W	45	0.2	-	2	3R	2W		
69.19	72.24	3.05	3.05	100	1.34	44	1	2	3S	1W	50	0.08	-	2	3R	3W		
72.24	75.29	3.05	3.05	100	2.68	88	1	2	3S	1W	40	0.14	-	2	3R	3W		
75.29	78.33	3.04	2.90	95	1.91	63	1	2	3S	1W	60	0.11	-	2	3R	3W		
78.33	81.38	3.05	3.05	100	2.89	95	1	2	3S	1W	65	0.18	-	2	3R	3W		
81.38	84.43	3.05	3.05	100	2.24	73	1	2	3S	1W	65	0.13	-	2	3R	3W		
84.43	87.48	3.05	3.05	100	1.63	53	1	2	3S	1W	45	0.11	-	2	3R	2W		
87.48	90.53	3.05	3.05	100	1.15	38	1	2	3S	1W	70	0.06	-	2	3R	2W		
90.53	93.57	3.04	3.04	100	2.40	79	1	2	3S	1W	65	0.16	-	2	3R	1W		



# CRAG EAST

Hole:

Date:

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
2	-	-	Overburden
4	-	-	Overburden
6	BD	65	
8	BD	60	
10	-	-	Breccia
12	-	-	Rubble
14	-	-	Breccia
16	-	-	Breccia
18	-	-	Breccia
20	BD	50	
22	-	-	Breccia
24	-	-	Breccia
26	-	-	Breccia
28	-	-	
30	BD		Mottled
32	BD	60	
34	BD	75	
36	BD	75	
38	BD	70	
40	BD	70	
42	-	-	Breccia
44	BD	70	
46	BD	60	
48	-	-	Breccia
50	-	-	Breccia
52	-	-	Breccia
54	-	-	Rubble

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
56	-	-	Debris flow
58	-	-	Debris flow
60	-	-	Breccia
62	-	-	Rubble
64	BD	40	
66	BD	50	
68	BD	65	
70	-	-	Rubble
72	-	-	Debris flow
74	-	-	Debris flow
76	-	-	Debris flow
78	-	-	Debris flow
80	-	-	Debris flow
82	-	-	Debris flow
84	-	-	Breccia
86	-	-	Breccia
88	-	-	Breccia
90	BD	75	
92	BD	80	
94	-	-	Breccia
96	BD	75	
98	-	-	Breccia
100	-	-	Breccia
102	-	-	Breccia
104	-	-	Breccia
106	BD	70	
108	BD	70	
110	-	-	Breccia
112	BD	60	

## CRAG EAST

Depth (m)	1° Structure Type	Angle (TCA)	COMMENTS
114	-	-	Breccia
116	BD	10	
118	-	-	Breccia
120	BD	50	
122	BD	60	
124	BD	70	
126	BD	45	
128	-	-	Breccia
130	BD	60	
132	-	-	Breccia





# CRAG EAST

Hole: CE-12-21

Date: August

Box #	From (m)	To (m)
1	4.51	9.61
2	9.61	13.46
3	13.46	17.70
4	17.70	22.66
5	22.66	27.72
6	27.72	32.85
7	32.85	38.27
8	38.27	43.66
9	43.66	49.32
10	49.32	54.49
11	54.49	59.58
12	59.58	64.39
13	64.39	69.70
14	69.70	74.24
15	74.24	79.36
16	79.36	84.58
17	84.58	89.14
18	89.14	93.92
19	93.92	99.27
20	99.27	104.43
21	104.43	109.82
22	109.82	115.08
23	115.08	120.44
24	120.44	125.50
25	125.50	131.04
26	131.04	133.20
	EOH	

## CRAG EAST

### CE-12-21

Depth (ft)	Depth (m)	Azimuth (°)	Grid North Azimuth (°)	Dip (°)	Magnetic Intensity (nT)	Magnetic Dip (°)	Gravity Intensity (g)	Temperature (°F)	Gravity Roll Angle (°)	Magnetic Tool Face	Dog Leg (° per 100 ft)	Date/Time
27	8.23	150.4	175.4	-44.2	58193	79.6	1.006	44.6	146.3	320.1	-1.58	11/8/2012 9:04
77	23.47	149.3	174.3	-44.2	57835	79.4	1.006	44.6	199.6	13.1	-0.4	11/8/2012 9:02
127	38.71	149.6	174.6	-44.2	57738	79.5	1.006	44.6	223.2	36.8	-0.42	11/8/2012 9:00
177	53.95	149.9	174.9	-44.2	57690	79.7	1.009	44.6	228.8	42.5	-1.98	11/8/2012 8:58
227	69.19	151.2	176.2	-44.5	57619	79.6	1.006	44.6	245.2	59.1	-0.81	11/8/2012 8:54
277	84.43	151.8	176.8	-44.7	57604	79.6	1.005	45	250.5	64.5	-1.65	11/8/2012 8:52
327	99.67	152.9	177.9	-44.8	57529	79.6	1.004	45.1	261.7	75.9	-0.79	11/8/2012 8:49
377	114.91	153.5	178.5	-45	57539	79.6	1.003	45.1	273.6	87.9	-1.07	11/8/2012 8:47
427	130.15	154.2	179.2	-45	57511	79.6	1.003	45.5	275.9	90.4	0	11/8/2012 8:46

## CRAG EAST

Hole **CE12-21** **Malbec** Note: Long, strong Sb anomaly. Weakly elevated As, Hg, Tl and Zn.

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Pb	Zn	Al	Au	B
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
32	M400805	4.57	6.34	1.77	0.002	125	7.74	124	1.54	0.14	262	1240	0.14	<0.2	<10
33	M400806	6.34	8.23	1.89	0.001	84	3.94	23.1	1.02	0.06	44.7	669	0.05	<0.2	<10
33	M400807	8.23	10.45	2.22	0.004	117	7.04	29.4	1.78	0.09	33.2	1260	0.05	<0.2	<10
33	M400808	10.45	11.28	0.83	0.002	112	7.14	77.2	2.37	0.12	46.7	1340	0.11	<0.2	<10
33	M400809	11.28	14.33	3.05	0.001	78	6.32	93.8	2.15	0.13	93.5	1360	0.08	<0.2	<10
33	M400810	14.33	17.37	3.04	0.001	39	2.93	48	1.1	0.02	31.4	808	0.08	<0.2	<10
33	M400812	17.37	18.97	1.60	0.003	42	3.53	44.8	0.88	0.03	45.3	548	0.06	<0.2	<10
33	M400813	18.97	20.42	1.45	0.002	21	2.16	38.1	0.42	0.04	26.6	294	0.04	<0.2	<10
33	M400815	20.42	23.47	3.05	0.002	37	5.97	35.2	0.82	0.06	32.7	579	0.04	<0.2	<10
33	M400816	23.47	24.85	1.38	0.002	164	13.35	534	4.36	0.43	649	1520	0.04	<0.2	<10
33	M400817	24.85	26.70	1.85	0.002	117	4.79	179	1.83	0.15	353	887	0.05	<0.2	<10
33	M400819	26.70	28.93	2.23	0.001	74	14.1	87	2.27	0.1	121	2450	0.05	<0.2	<10
33	M400820	28.93	29.57	0.64	0.001	108	4.84	185	3.22	0.11	227	925	0.02	<0.2	<10
33	M400821	29.57	32.61	3.04	0.001	55	4.21	32	1.44	0.06	40.3	519	0.05	<0.2	<10
33	M400822	32.61	35.66	3.05	0.002	37	5.96	48.3	1.2	0.09	77.6	932	0.05	<0.2	<10
33	M400823	35.66	38.71	3.05	0.002	29	3.61	22.9	0.72	0.08	50.1	584	0.05	<0.2	<10
33	M400824	38.71	41.76	3.05	0.002	100	7.79	120.5	1.99	0.22	238	1330	0.04	<0.2	<10
33	M400825	41.76	42.36	0.60	0.001	53	3.37	62.4	2.35	0.14	90.9	1160	0.03	<0.2	<10
33	M400826	42.36	44.81	2.45	0.001	78	5.74	128.5	2.3	0.2	198	1340	0.03	<0.2	<10
33	M400827	44.81	47.85	3.04	0.001	59	5.15	89.5	1.23	0.19	144	749	0.03	<0.2	<10
33	M400829	47.85	49.36	1.51	0.001	39	2.41	40.8	0.71	0.07	33.6	503	0.04	<0.2	<10
33	M400830	49.36	50.90	1.54	0.002	712	11.5	538	5.49	0.57	523	1960	0.34	<0.2	10
33	M400831	50.90	53.95	3.05	0.002	425	10.2	384	3.33	0.12	318	1880	0.19	<0.2	10
33	M400832	53.95	54.86	0.91	0.001	239	8.68	302	4.12	0.25	174	2930	0.13	<0.2	<10
33	M400834	54.86	57.00	2.14	0.004	403	6	31.9	3.39	0.02	14.1	349	0.63	<0.2	20
33	M400835	57.00	58.33	1.33	<0.001	149	5.7	17.2	1.39	0.02	15.6	742	0.53	<0.2	20
33	M400837	58.33	60.05	1.72	0.003	33	3.01	17.85	0.49	0.02	7.9	472	0.04	<0.2	<10
33	M400838	60.05	63.09	3.04	<0.001	29	3.37	7.78	0.38	0.02	12.7	856	0.02	<0.2	<10
33	M400839	63.09	66.14	3.05	0.001	35	1.23	31.5	0.84	0.04	47.3	406	0.02	<0.2	<10
33	M400840	66.14	68.17	2.03	0.001	45	1.11	53.9	0.75	0.05	57.3	265	0.02	<0.2	<10

## CRAG EAST

Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Pb	Zn	Al	Au	B
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
33	M400841	68.17	69.19	1.02	0.001	41	0.38	41	0.38	0.02	6.3	88	0.01	<0.2	<10
35	M400842	69.19	72.24	3.05	0.003	50	0.35	45.4	0.42	0.12	3.8	94	0.01	<0.2	<10
35	M400843	72.24	75.29	3.05	0.001	57	1.17	19	1.2	0.02	6	75	0.01	<0.2	<10
35	M400844	75.29	78.33	3.04	0.001	39	0.67	19.65	0.4	0.12	12.4	96	0.01	<0.2	<10
35	M400845	78.33	81.38	3.05	0.002	60	9.82	359	0.59	0.02	257	2470	0.01	<0.2	<10
35	M400847	81.38	83.00	1.62	0.005	73	1.32	115.5	0.85	0.03	88.6	317	0.02	<0.2	<10
35	M400848	83.00	84.58	1.58	0.001	43	0.49	37.3	0.77	0.04	22.9	125	0.01	<0.2	<10
35	M400849	84.58	87.48	2.90	0.002	72	4.35	254	1.3	0.32	207	1590	0.02	<0.2	<10
35	M400850	87.48	90.09	2.61	0.001	111	2.98	180	1.66	0.42	146.5	1060	0.05	<0.2	<10
35	M400852	90.09	91.98	1.89	0.003	95	1	29.1	0.8	0.11	24.2	240	0.04	<0.2	<10
35	M400853	91.98	93.57	1.59	0.002	71	1.21	64.7	0.79	0.18	54.1	300	0.04	<0.2	<10
35	M400854	93.57	96.62	3.05	0.002	107	1.59	66.2	1	0.11	51.1	354	0.05	<0.2	<10
35	M400855	96.62	99.67	3.05	0.001	148	5.77	480	1.32	0.12	357	1730	0.04	<0.2	<10
35	M400856	99.67	101.87	2.20	0.002	90	0.94	31	0.57	0.04	24.7	159	0.03	<0.2	<10
35	M400857	101.87	104.86	2.99	0.001	79	5.42	414	1.16	0.23	306	1850	0.03	<0.2	<10
35	M400858	104.86	105.77	0.91	0.002	45	1.41	56.1	0.51	0.04	43.8	372	0.02	<0.2	<10
35	M400860	105.77	108.81	3.04	0.001	40	2.56	104	0.41	0.05	77.7	779	0.03	<0.2	<10
35	M400861	108.81	111.86	3.05	0.001	65	4.23	128.5	1.13	0.06	98.8	1110	0.04	<0.2	<10
35	M400862	111.86	114.91	3.05	<0.001	62	2.08	85.9	0.67	0.02	68	451	0.03	<0.2	<10
35	M400863	114.91	117.96	3.05	0.003	50	2.01	56.2	0.81	0.06	43.3	288	0.08	<0.2	<10
35	M400865	117.96	121.01	3.05	0.004	48	1.07	14.4	0.61	0.04	11.6	161	0.06	<0.2	<10
35	M400866	121.01	124.05	3.04	0.002	37	0.76	10.65	0.54	0.01	9.4	131	0.05	<0.2	<10
35	M400867	124.05	127.10	3.05	0.001	42	1.05	44.7	0.69	0.01	33.6	119	0.06	<0.2	<10
35	M400869	127.10	129.00	1.90	0.001	27	1.38	30.9	0.34	0.01	25.3	236	0.03	<0.2	<10
35	M400870	129.00	130.34	1.34	0.002	26	1.49	22	0.28	0.01	18.3	179	0.03	<0.2	<10
35	M400871	130.34	133.20	2.86	0.001	52	6.29	13.65	0.67	0.02	14.9	714	0.05	<0.2	<10

### QAQC SAMPLES

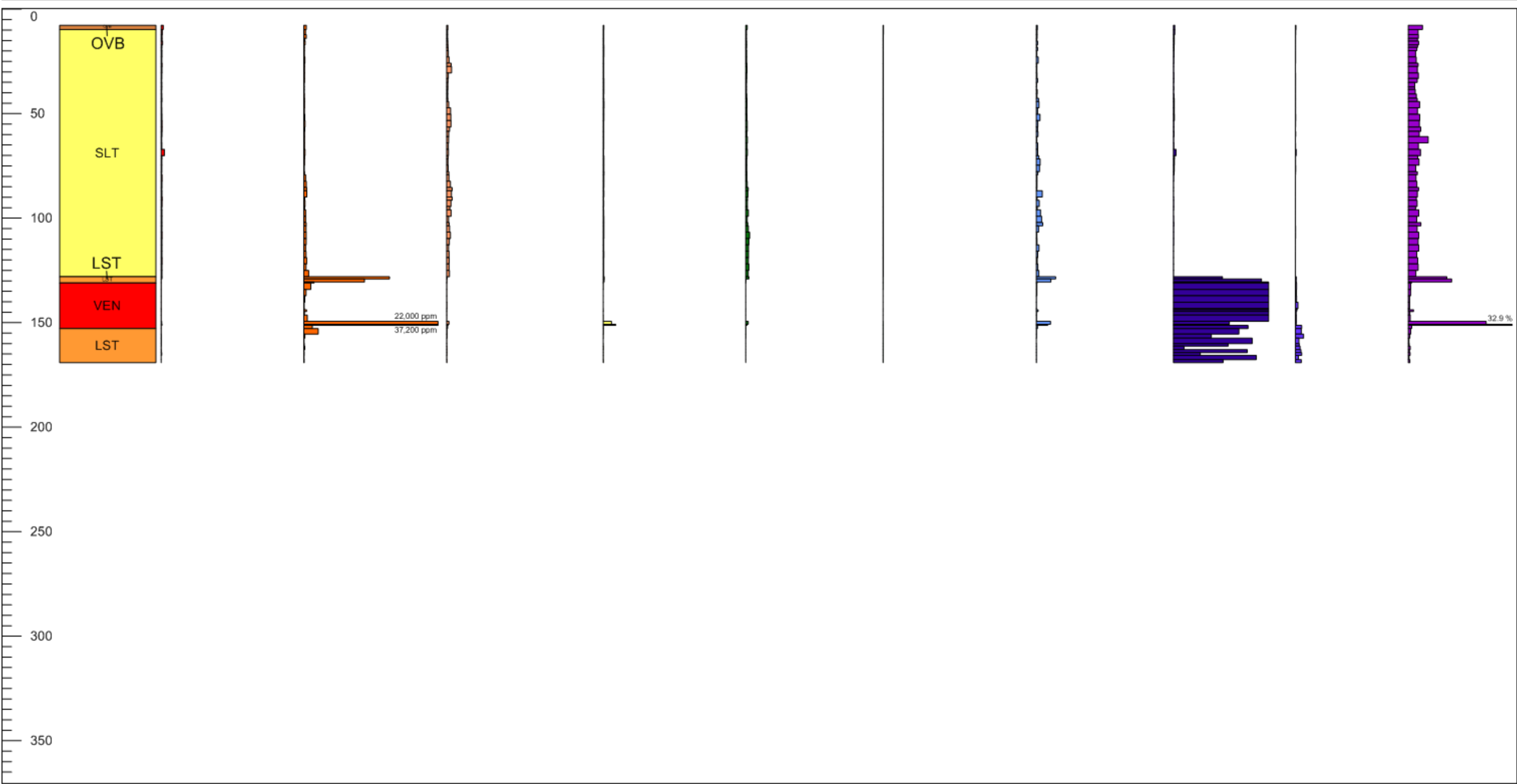
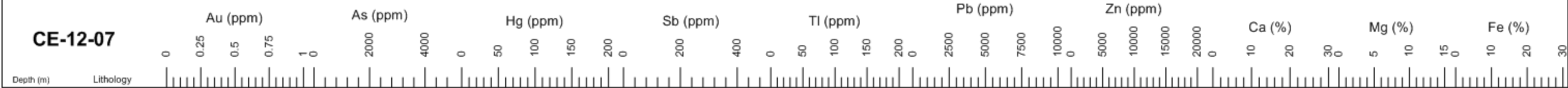
33	M400811	CDN-GS-4D			3.79	656	5.39	9.71	2.27	1.49	20	147	0.32	<0.2	<10
33	M400814	1/4 duplicate			0.002	19	1.82	32.5	0.41	0.02	27.7	223	0.04	<0.2	<10
33	M400818	Blank			0.001	<2	0.04	2.99	0.07	0.02	5.2	22	0.11	<0.2	<10
33	M400828	Coarse reject			0.001	61	5.26	96.7	1.19	0.19	142.5	817	0.04	<0.2	<10
33	M400833	CDN-GS-8B			7.84	791	5.65	6.45	6.62	0.45	5	277	0.4	<0.2	10

## CRAG EAST

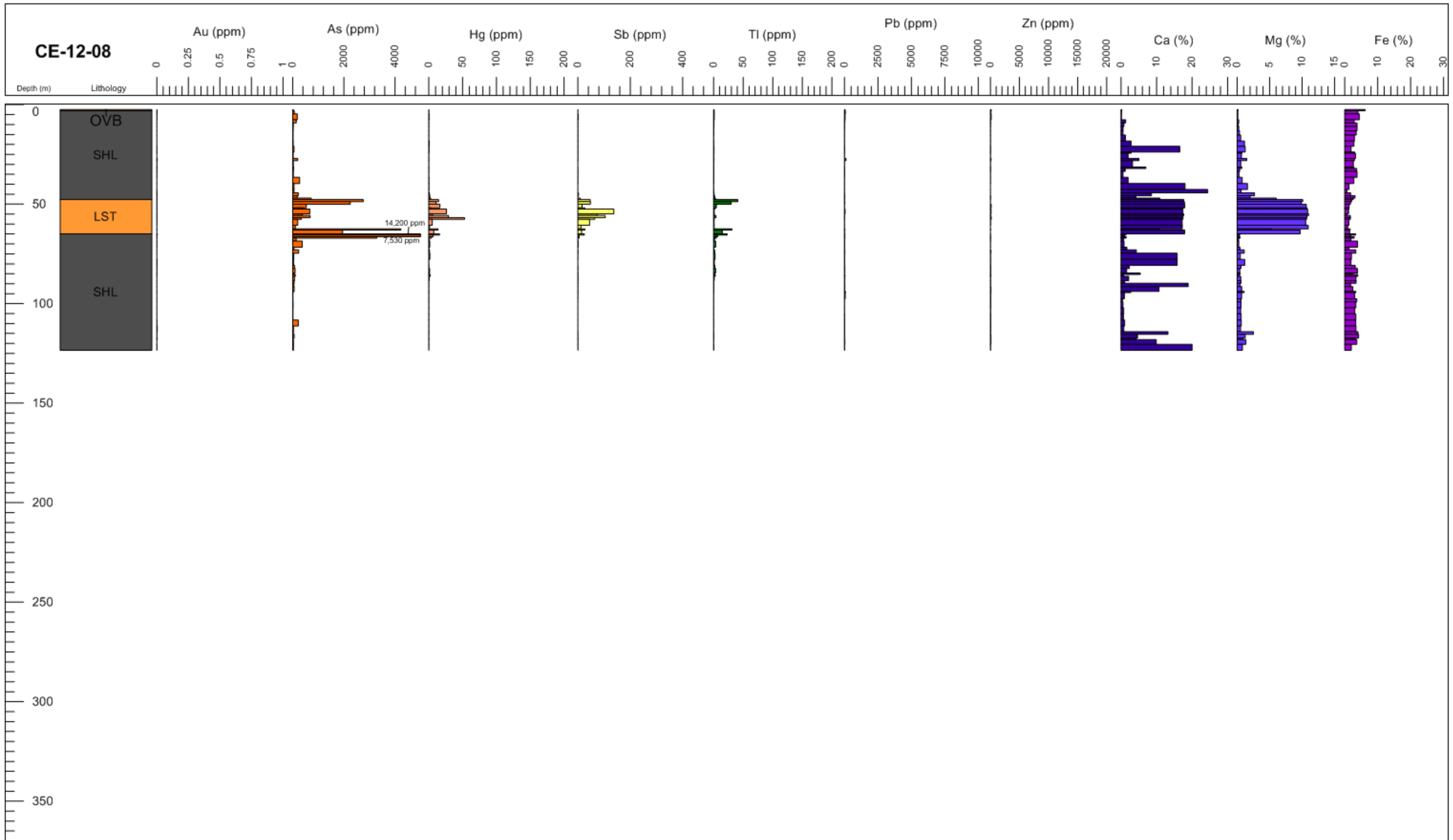
Batch	Sample	From (m)	To (m)	Log Interval	Au	As	Hg	Sb	Tl	Ag	Pb	Zn	Al	Au	B
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
33	M400836	Blank			0.001	<2	0.01	0.3	<0.02	0.01	1.7	14	0.03	<0.2	<10
35	M400846	CDN-GS-8B			7.81	800	5.53	6.43	6.41	0.45	5.1	273	0.48	<0.2	10
35	M400851	Coarse reject			0.001	107	2.98	191.5	1.57	0.44	150	1120	0.05	<0.2	<10
35	M400859	1/4 duplicate			0.003	55	1.67	55.3	0.62	0.03	43.4	390	0.02	<0.2	<10
35	M400864	CDN-GS-4D			3.85	657	5.43	10.55	2.42	1.49	20.5	145	0.33	<0.2	<10
35	M400868	Blank			0.002	<2	<0.01	0.49	<0.02	0.01	1.5	14	0.03	<0.2	<10
35	M400872	Blank			0.002	2	0.01	0.57	0.05	0.01	1.8	16	0.1	<0.2	<10

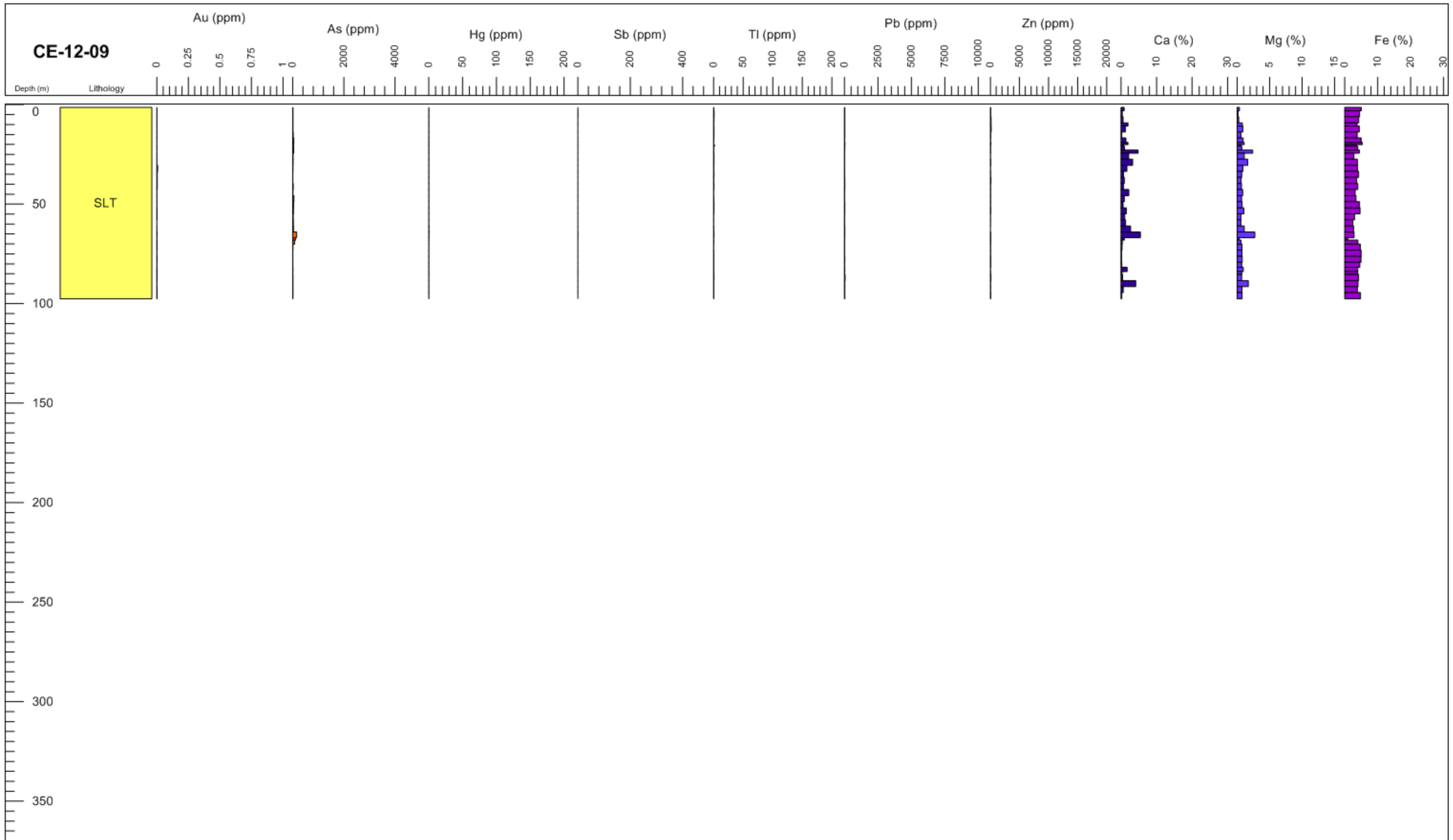
**APPENDIX VI**  
**DIAMOND DRILLING CROSS-SECTIONS**

CE-12-07

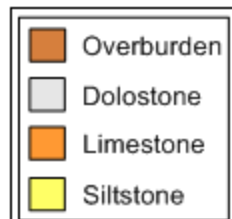
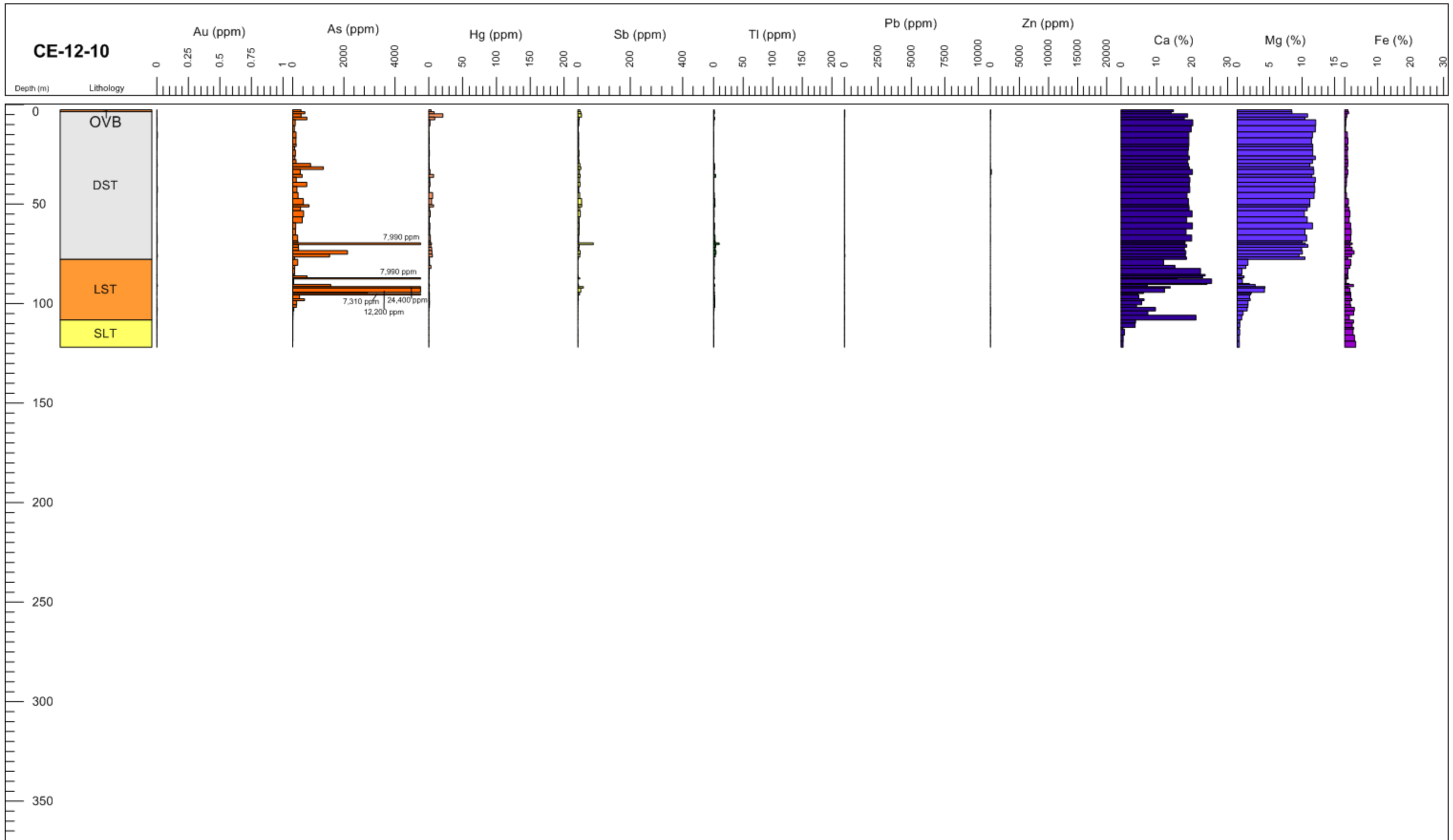




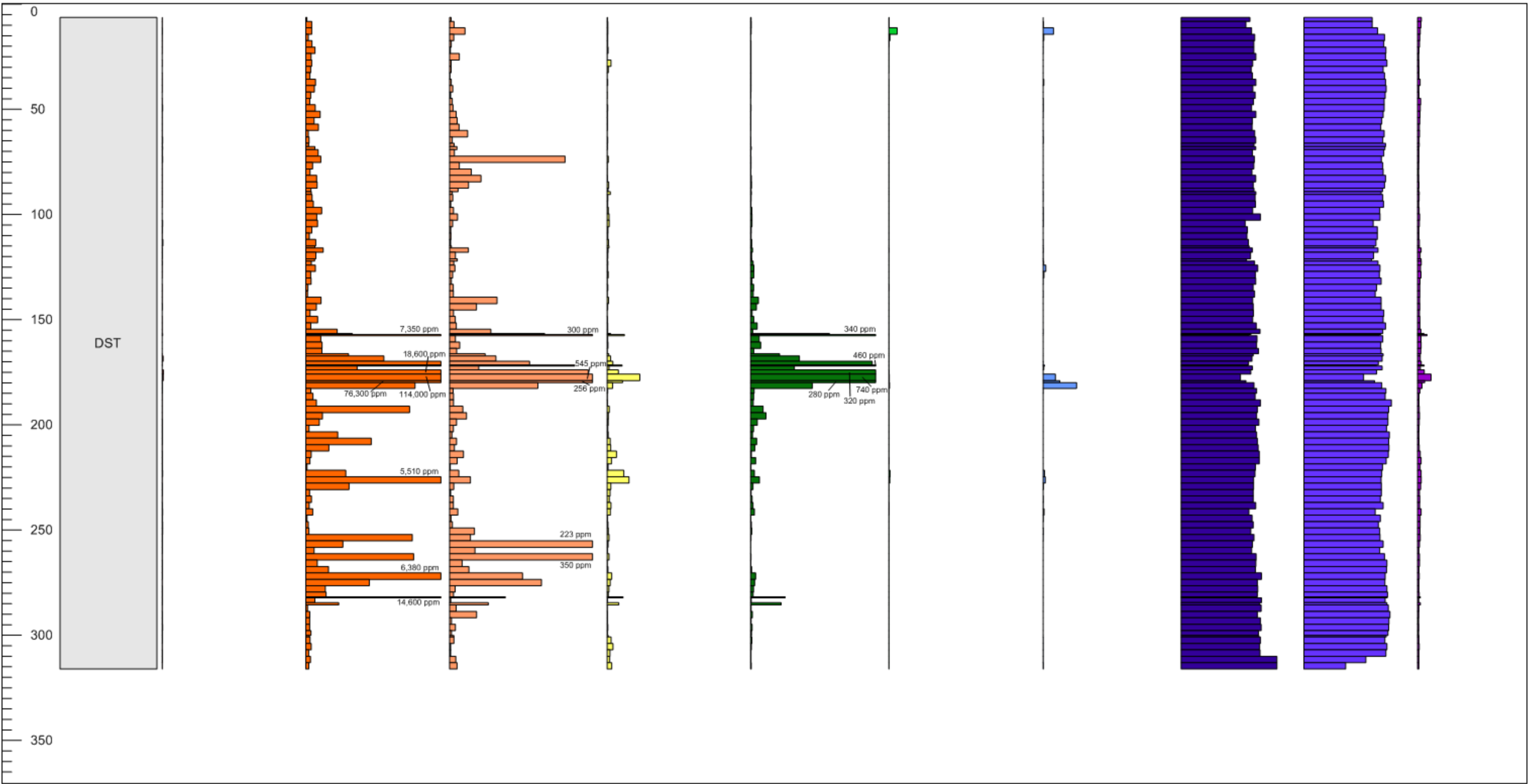
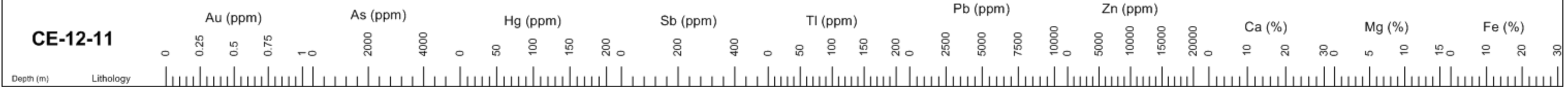




■ Siltstone

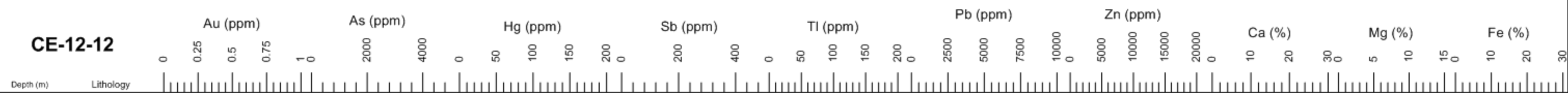


CE-12-11

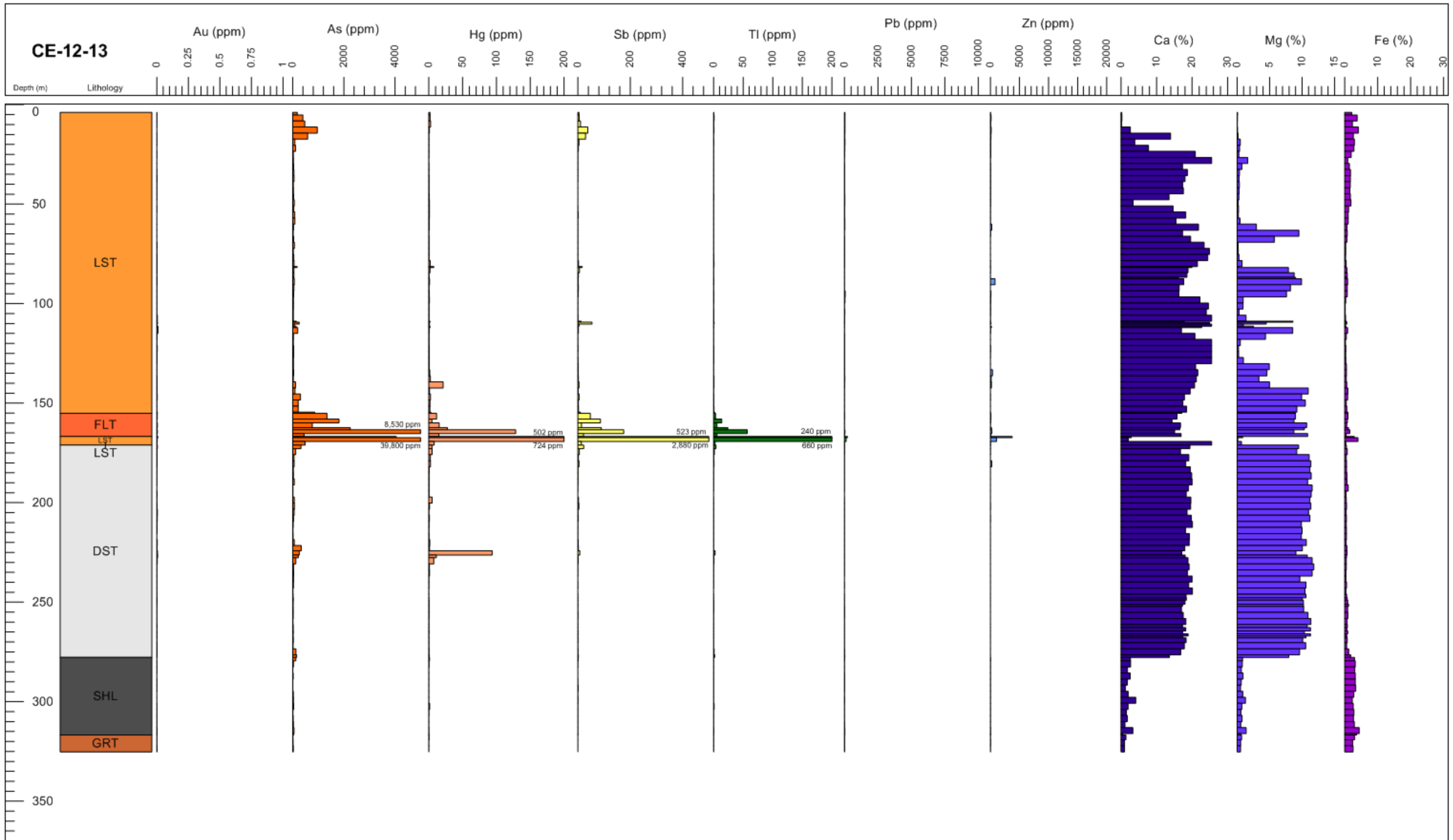


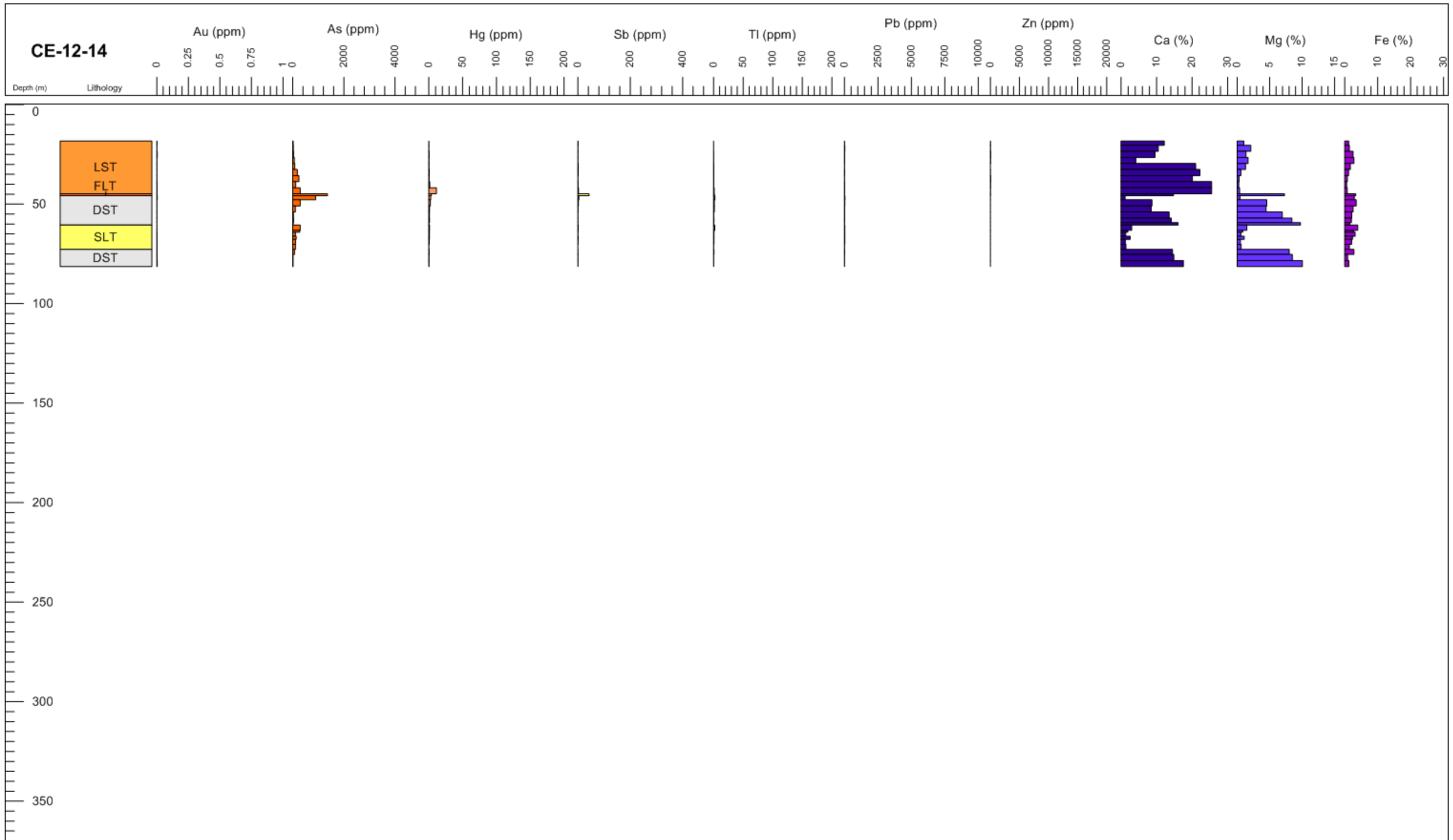
□ Dolostone

CE-12-12



Dolostone





CE-12-15

Au (ppm)

As (ppm)

Hg (ppm)

Sb (ppm)

Tl (ppm)

Pb (ppm)

Zn (ppm)

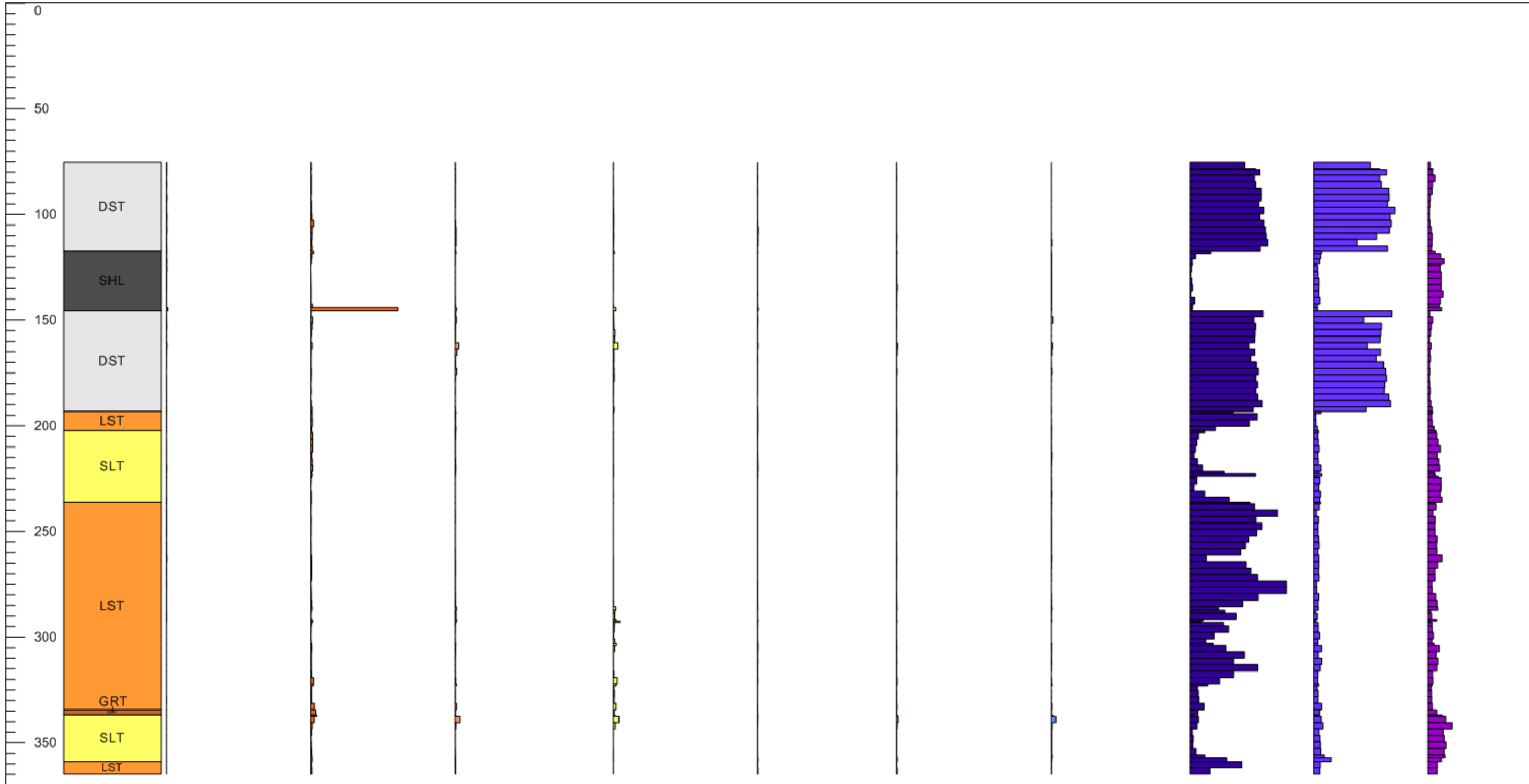
Ca (%)

Mg (%)

Fe (%)

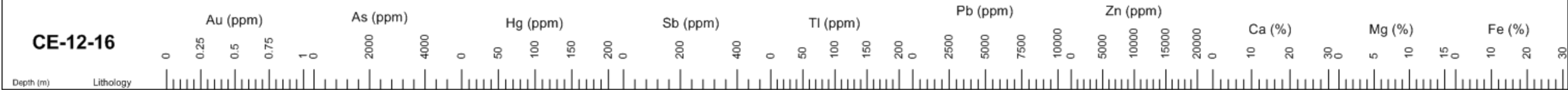
Depth (m)

Lithology

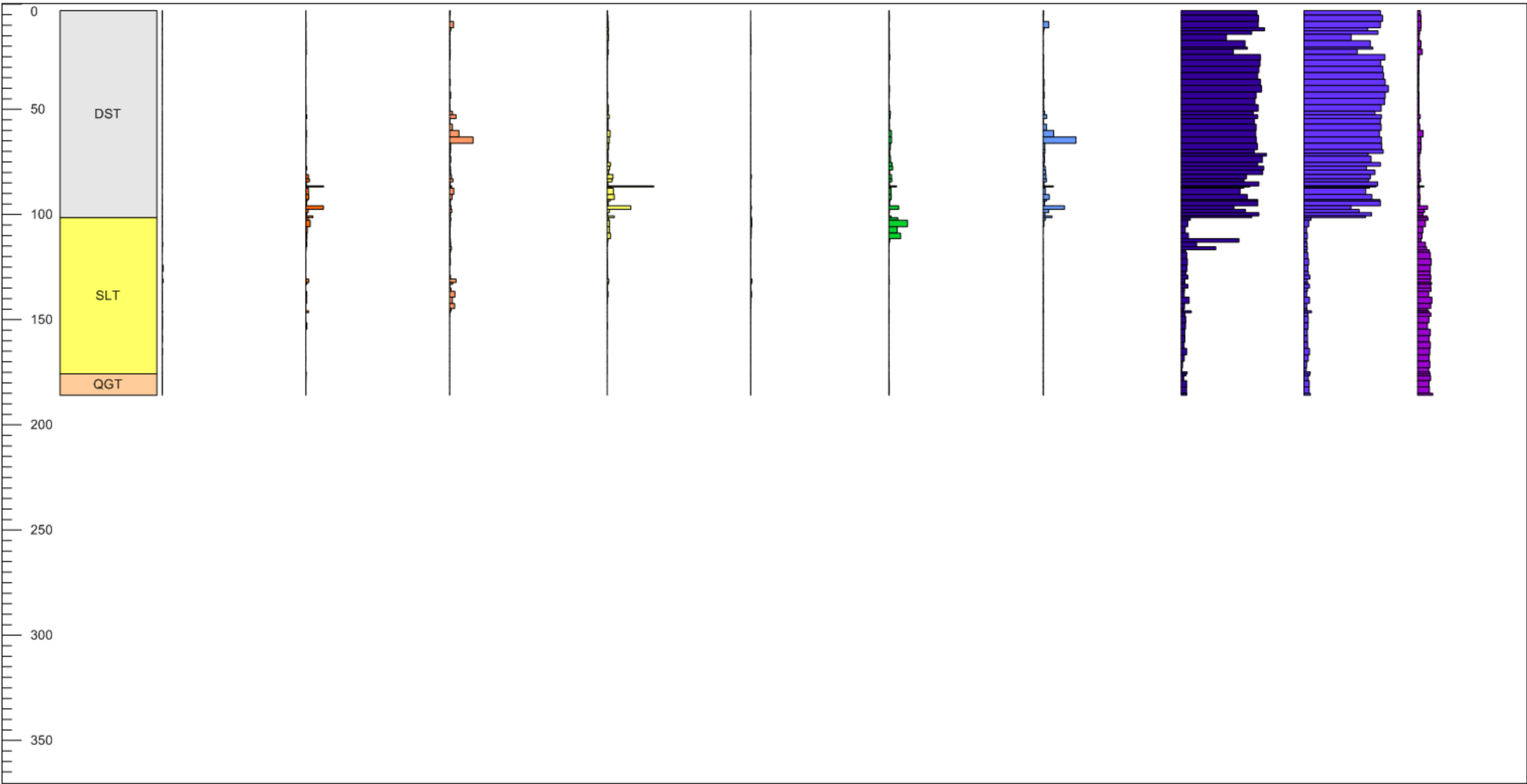
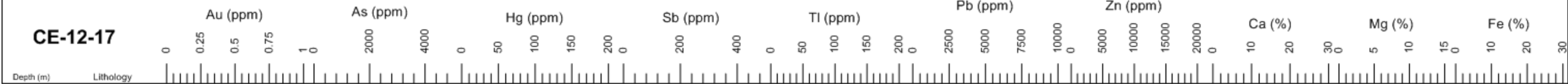




CE-12-16



CE-12-17



CE-12-18

Au (ppm)

As (ppm)

Hg (ppm)

Sb (ppm)

Tl (ppm)

Pb (ppm)

Zn (ppm)

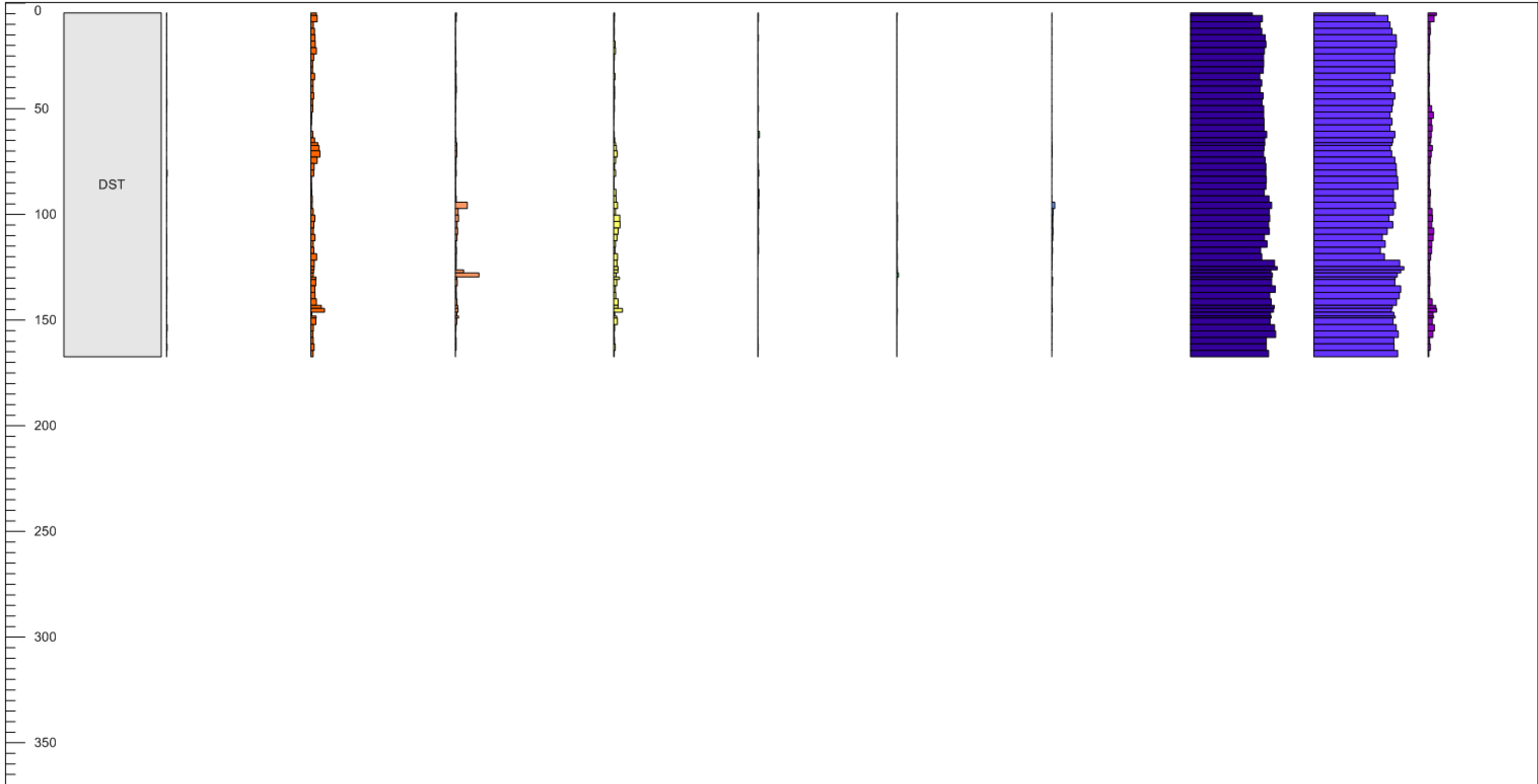
Ca (%)

Mg (%)

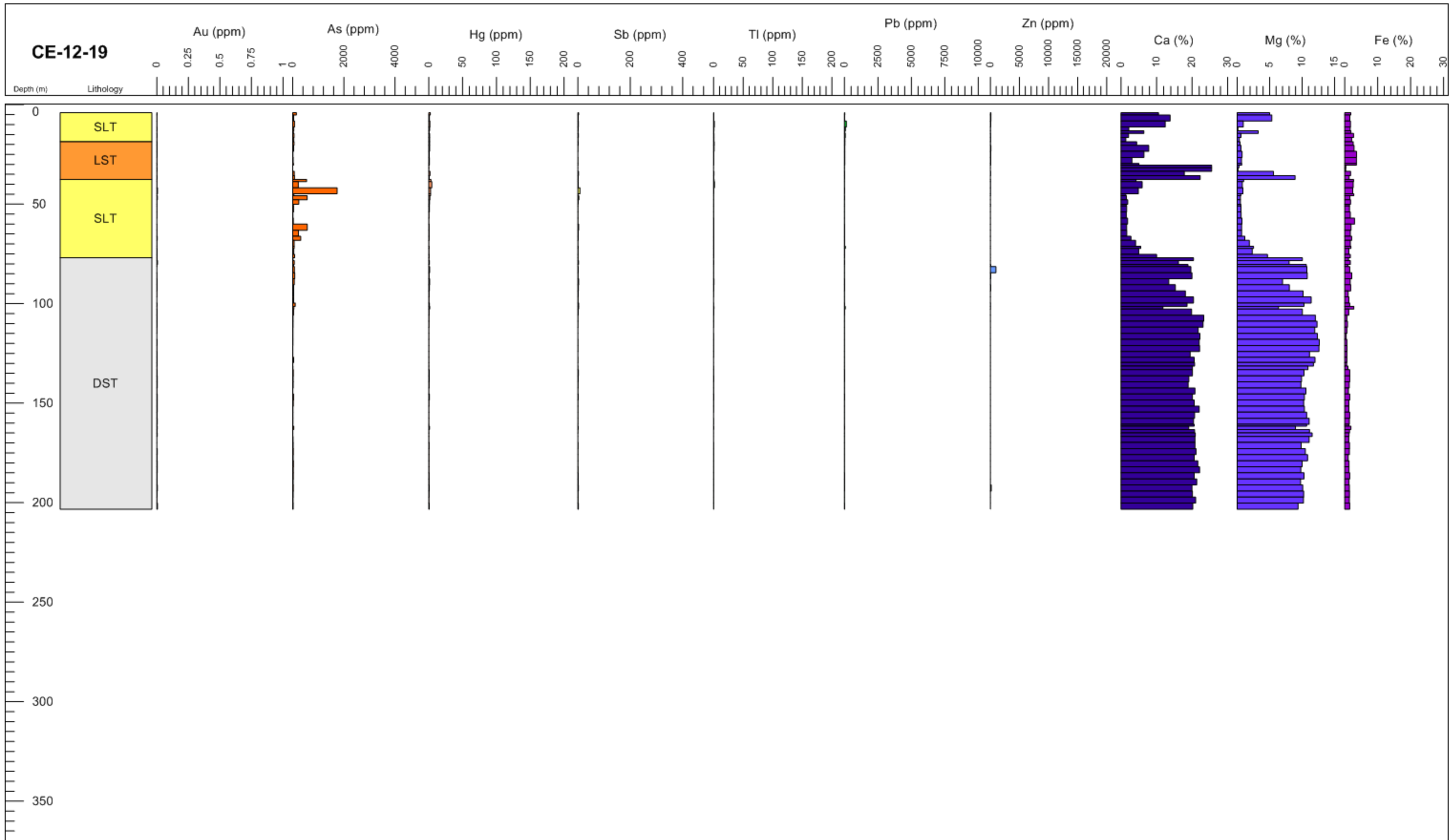
Fe (%)

Depth (m)

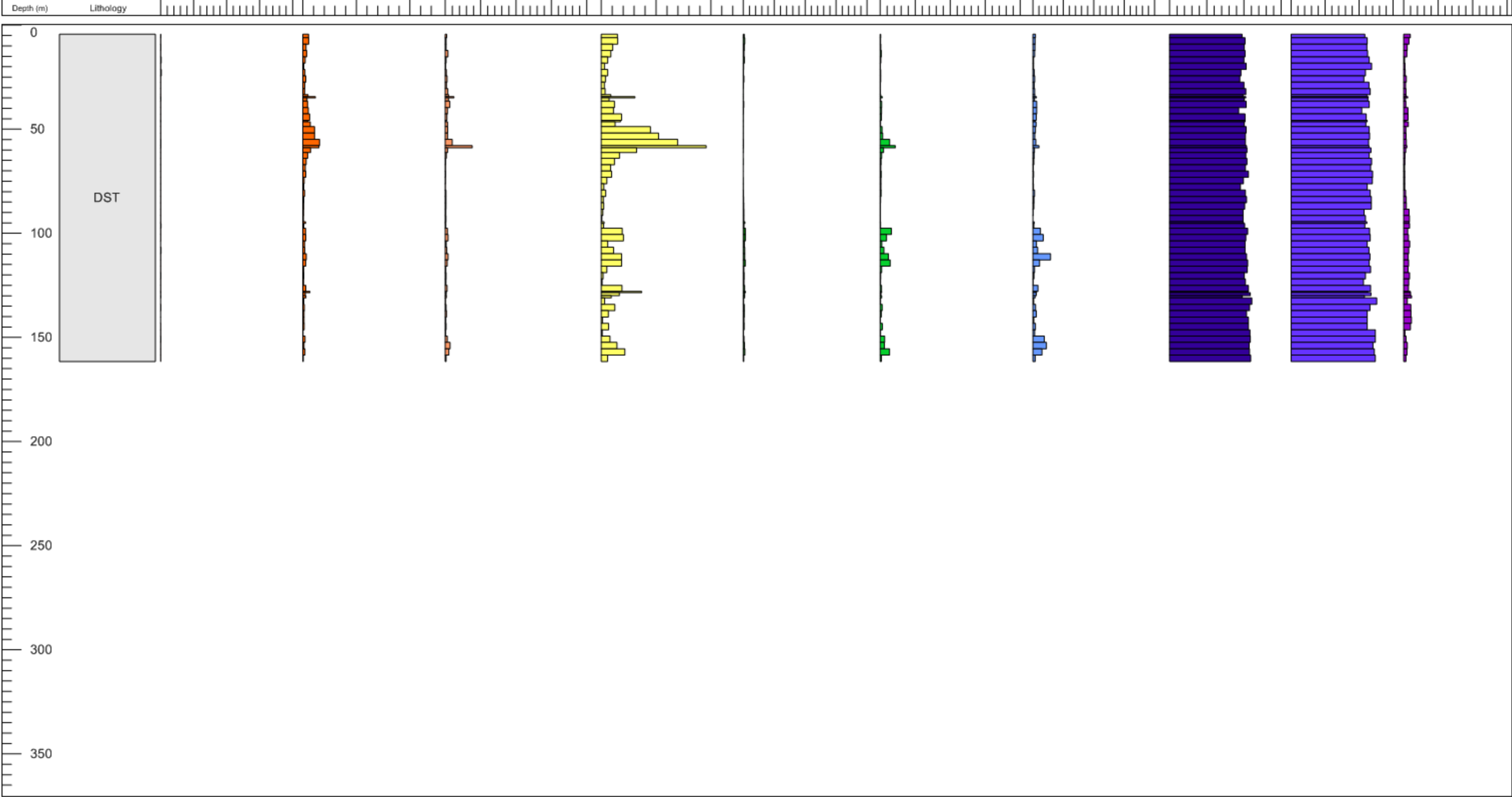
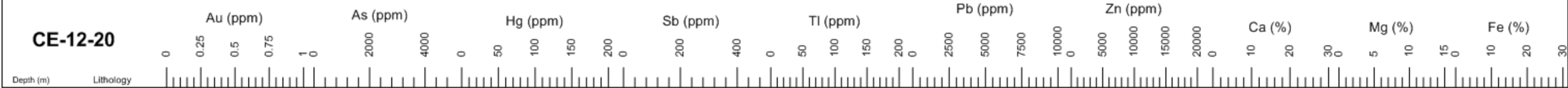
Lithology



Dolostone



CE-12-20



Dolostone

CE-12-21

Au (ppm)

As (ppm)

Hg (ppm)

Sb (ppm)

Tl (ppm)

Pb (ppm)

Zn (ppm)

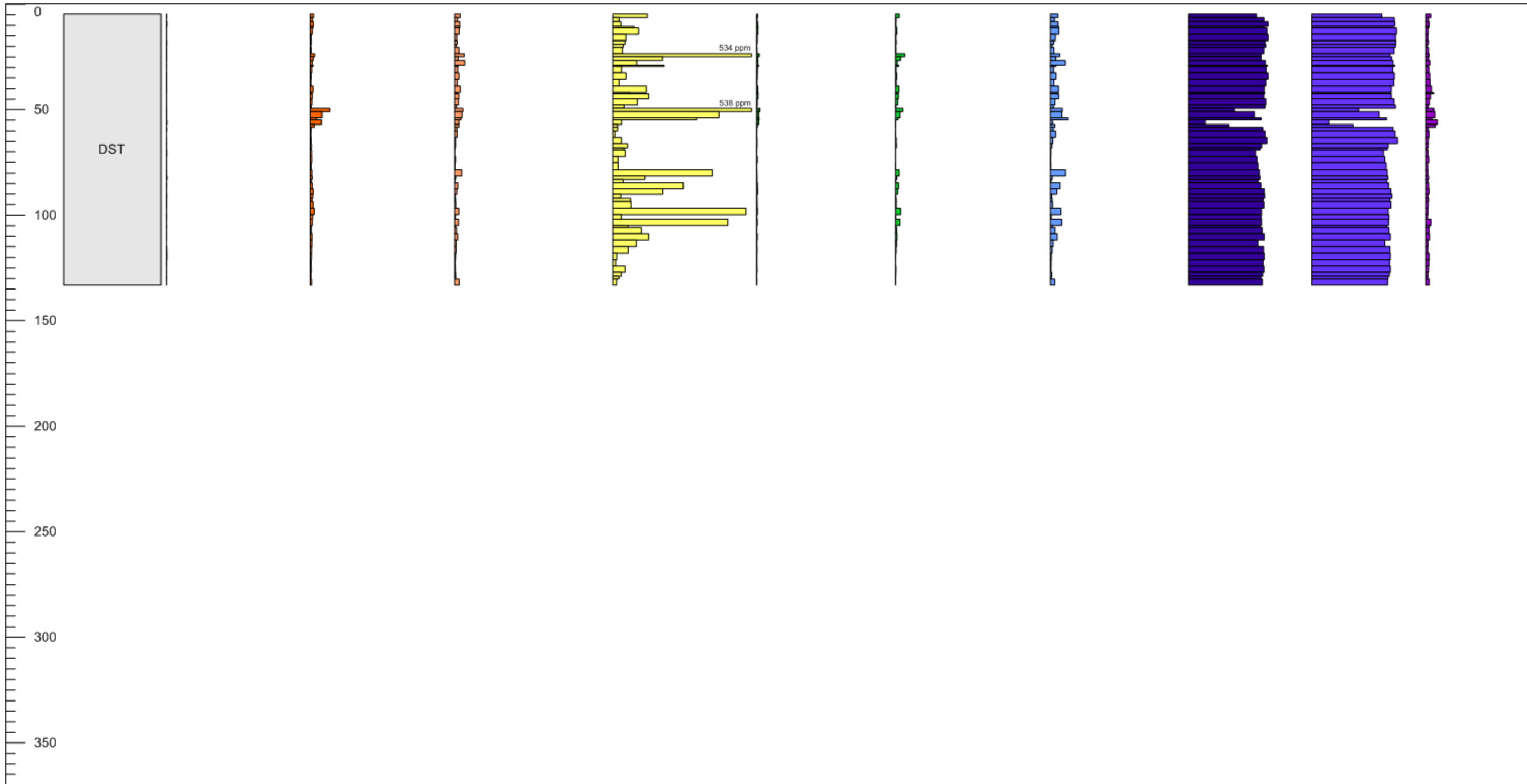
Ca (%)

Mg (%)

Fe (%)

Depth (m)

Lithology



□ Dolostone