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**ASSESSMENT REPORT**

describing

**SOIL SAMPLING AND PROSPECTING**

Field work performed from August 22 to 29, 2018

at the

**FOUR CORNERS PROPERTY**

4C 7-22	YC22686-YC22701	377-386	YC22944-YC22953
29-42	YC22708-YC22721	403-404	YC22970-YC22971
51-58	YC22730-YC22737	405-408	YC23110-YC23113
277-292	YC22862-YC22877	409-412	YC23114-YC23117
299	YC22884	429-438	YC22988-YC22997
301	YC22886	439	YC28800
303	YC22888	440-450	YC29001-YC29011
305-308	YC22890-YC22893	451-460	YC97695-YC97704
355-360	YC22922-YC22927	461-482	YD33847-YD33868

NTS 105G/01

Latitude 61°02'N; Longitude 130°04'W

located in the

Watson Lake Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

K. Willms, BSc., GIT  
March 2019

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## INTRODUCTION

The Four Corners (4C) property covers volcanogenic massive sulphide (VMS) showings, a gold showing and a large ultramafic body with strongly elevated nickel and cobalt contents. The property is located within the Finlayson Lake District of southeast Yukon Territory and is 100% owned by Strategic Metals Ltd.

This report describes a program of soil geochemical sampling and prospecting performed by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals from August 22 to 29, 2018. The author did not participate in the program, but interpreted the data from the work. The author's Statement of Qualifications appears in Appendix I. A Statement of Expenditures is located in Appendix II.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Four Corners property consists of 141 contiguous mineral claims located in southeastern Yukon at latitude 61°02' north and longitude 130°06' west on NTS map sheet 105G/01 (Figure 1). The property covers an area of approximately 2950 ha (29.5 km<sup>2</sup>). The claims are registered with the Watson Lake Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim registration data are listed below, while locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
4C 7-22	YC22686-YC22701	March 13, 2029
29-42	YC22708-YC22721	March 13, 2029
51-58	YC22730-YC22737	March 13, 2029
277-288	YC22862-YC22873	March 13, 2029
289-292	YC22874-YC22877	March 13, 2033
299	YC22884	March 13, 2029
301	YC22886	March 13, 2029
303	YC22888	March 13, 2029
305-308	YC22890-YC22893	March 13, 2029
355-356	YC22922-YC22923	March 13, 2029
357-360	YC22924-YC22927	March 13, 2033
377-382	YC22944-YC22949	March 13, 2029
383-386	YC22950-YC22953	March 13, 2033
403-404	YC22970-YC22971	March 13, 2029
405-408	YC23110-YC23113	March 13, 2029
409-411	YC23114-YC23116	March 13, 2033
412	YC23117	March 13, 2030
429-434	YC22988-YC22993	March 13, 2029
435	YC22994	March 13, 2033
436-438	YC22995-YC22997	March 13, 2030
439	YC28800	March 13, 2030
440-446	YC29001-YC29007	March 13, 2030
447	YC29008	March 13, 2033



448	YC29009	March 13, 2030
449-450	YC29010-YC29011	March 13, 2033
451-460	YC97695-YC97704	March 13, 2030
461-478	YD33847-YD33864	March 9, 2028
479-482	YD33865-YD33868	March 9, 2031

\* Expiry dates include 2018 work that has been filed for assessment credit, but not yet accepted.

Work in 2018 was completed from a fly camp on the property. Crew members and gear were mobilized to and from the property from a staging area near the junction of the Nahanni Range Road and the Robert Campbell Highway. Helicopter support for the program was provided by a Bell 206B helicopter operated by Trans North Helicopters from its base in Watson Lake.

The 4C claims lie approximately 130 km northwest of Watson Lake. The closest road access is from the Robert Campbell Highway, which at its nearest point is 40 km east of the property. The Robert Campbell Highway is usable in all seasons by two wheel drive vehicles.

The property is located in the Kaska Dena traditional territory.

### **HISTORY AND PREVIOUS WORK**

Regional-scale geological mapping in the vicinity of the Four Corners property was performed by the Geological Survey of Canada (GSC) (Poole *et al.*, 1960 and Tempelman-Kluit, 1977). Drainages in the area were sampled in 1978 during reconnaissance-scale stream sediment geochemical surveys supervised by the GSC (Hornbrook and Ballantyne, 1978 and Hornbrook and Friske, 1988).

The only record of previous exploration in the area now covered by the Four Corners property is work conducted by Cominco Ltd. between 1995 and 1998. That work targeted VMS mineralization modelled on the Kudz Ze Kayah Deposit, located 60 km north-northwest of the Four Corners property. Cominco flew helicopter-borne geophysical surveys over most of the Finlayson Lake District following the discovery of Kudz Ze Kayah, and it later staked numerous claim blocks to cover geophysical anomalies. Results from the geophysical surveys were not reported.

In 1996 and 1997, Cominco staked three claim blocks (BL 1 to 93, Wat 1 to 165 and IC 1 to 28) in the Four Corners area. Parts of all three claim blocks overlapped with the current property. Cominco performed reconnaissance-scale soil and stream sediment sampling, geological mapping and prospecting.

In 1998, Cominco completed detailed mapping and prospecting on the IC claims. Work was focused around a stratiform pyrite showing hosted within siliceous felsic exhalite and argillite (the IC Showing). This showing is located in the southeastern part of the Four Corners property. No further work was completed and the claim blocks were subsequently allowed to expire.

In 2003, Strategic Metals staked the initial 4C claims and optioned them to Firestone Ventures Inc., which later expanded the claim block (Wengzynowski, 2003). Gold mineralization was discovered in the western part of the property, at the PS Showing. Chip samples taken from green chalcedony boulders in a quartz flooded float train returned 4.28 g/t gold and 2.64 g/t silver. Exploration for emeralds was also conducted in the western part of the property. This work resulted in the discovery of minor beryl crystals, but no green or gem quality stones were found.

In 2005, after Firestone dropped its option, Strategic Metals staked additional claims and conducted a program of soil geochemical sampling, prospecting and geological mapping in the eastern part of the property (including the current Four Corners claims). The most significant discovery was the HS Showing, which comprises limonite boxwork subcrop within quartz-carbonate altered metavolcanics. Samples of limonite-rich material returned up to 0.97% copper, 2850 ppm zinc and 184 ppm cobalt. The limonite is believed to be the weathered product of Besshi-style VMS mineralization (Wengzynowski, 2006). A sample of azurite-coated carbonate float found downslope of the showing returned 2.07% copper.

In 2006, Strategic Metals contracted Geotech Ltd. to conduct helicopter-borne magnetic and versatile time domain electromagnetic (VTEM) surveys over the eastern part of the 4C claim block – this survey largely overlaps the current Four Corners property (Wengzynowski, 2007).

In early 2009, Strategic Metals contracted Condor Consulting Inc. to reprocess and interpret VTEM data from the 2006 geophysical survey. Later that year, a limited program of soil sampling, prospecting and geological mapping was conducted in the vicinity of the HS and IC Showings (Gregory, 2009). Results from this program confirmed the nature and extent of earlier results.

In 2010, Strategic Metals optioned the west side of the claim block (Four Corners West property) to Wolverine Minerals Corp. A total of 53 soil samples were collected, which outlined localized gold-arsenic anomalies within a broad band of elevated copper values (Eaton, 2011). On the eastern side of the claim block (Four Corners East property), Strategic Metals conducted detailed prospecting and geological mapping along trend to the northwest of the HS Showing. The program delineated a 400 m long by about 10 m wide band of strongly quartz-carbonate altered chloritic schist with minor chalcopyrite and locally strong malachite and azurite coatings. A total of 10 rock and nine trench samples were collected along strike to the northwest of the HS Showing. Eight of these samples averaged 3104 ppm copper. Most samples returned subdued values for gold and silver, except one that yielded 301 ppb gold and 4.0 g/t silver (Eaton, 2011).

In 2012, Strategic Metals and Wolverine Minerals conducted a program of geological mapping, prospecting and soil sampling on the Four Corners West property. A total of seven rock and 517 soil samples were collected. Rock samples taken from the PS Showing returned up to 278 ppb gold, 5.2 ppm silver and 273 ppm antimony. Soil sampling identified a weak 700 m by 200 m copper anomaly (up to 207 ppm), with sporadic silver (up to 3.1 ppm) and gold (up to 76 ppb) values (Chung, 2012). No further work was completed and some of the Four Corners West claims were allowed to expire.

In 2013, Strategic Metals completed a program of soil sampling, prospecting and geological mapping on the Four Corners East property. A total of 19 rock and 270 soil samples were collected from the property. Two new showings (SW and KG) were identified along ridge crests. Rock samples from the SW Showing returned up to 215 ppb gold, 4.78 ppm silver, 44.2 ppm antimony and 516 ppm copper. At the KG Showing, a chip sample across limonitic felsic schist returned 214 ppb gold, 3.75 ppm silver and 100 ppm antimony over two metres. A specimen taken from a creek 1000 m west of the SW Showing yielded 4460 ppm copper and 596 ppm zinc (Montague, 2014). Soil geochemical sampling defined a 3000 by 500 m copper anomaly (up to 810 ppm) in the central part of the property, as well as a 1000 by 500 m nickel-cobalt anomaly (up to 2700 and 200 ppm, respectively).

### **GEOMORPHOLOGY**

The Four Corners property lies within the Simpson Range of the Pelly Mountains, near the headwaters of the Liard River. Elevations range between 1100 and 1840 m. Topography is rugged with predominantly north flowing creeks draining U-shaped valleys that often emanate from cirques. Slopes are moderate to steep, with inclines ranging between 20 and 45°. Ridge crests are mostly rounded uplands with extensive felsenmeer.

During the Pleistocene glaciation, ice sheets covered the entire Pelly Mountain area, with the main ice flows directed southeasterly along the larger river valleys. Alpine glacial features such as cirques, tarn lakes and lateral moraines are common.

Much of the property lies above tree line, which lies at approximately 1500 m. Vegetation ranges from thick spruce, balsam and willow at lower elevations, giving way to scattered stunted spruce, buckbrush and moss and ultimately to grass and lichen at higher elevations.

The creeks draining the claim block flow into tributaries of the Liard River and ultimately into the Arctic Ocean via the Mackenzie River.

### **REGIONAL GEOLOGY**

The Four Corners property lies within the Finlayson Lake District. This district has been the focus of numerous government and industry sponsored studies due to its VMS potential. The GSC mapped the Finlayson Lake area (NTS map sheet 105G) twice at a 1:250,000 scale (Wheeler *et al.*, 1960 and Tempelman-Kluit, 1977). In the late 1990s and early 2000s, the Yukon Geological Survey (YGS) performed more detailed (1:50,000 scale) mapping in the area and in 2002, it completed a geological compilation and updated the lithological names (Bond *et al.*, 2002). In 2003, Gordey and Makepeace incorporated this data into a Yukon-wide geological compilation. The YGS maintains a website of geological data, which is periodically updated when new information becomes available (Yukon Geological Survey, 2018). The following geological descriptions are based on the published data.

The Finlayson Lake District comprises an isolated outlier of Yukon-Tanana Terrane (YTT), Slide Mountain Terrane (SMT) and affiliated overlap assemblages (Figure 3). YTT and SMT represent continental arc and back-arc basin sequences that developed along the ancient Pacific

margin of North America during late Devonian and through Permian (Piercey *et al.*, 2006). Pericratonic rocks of YTT and oceanic rocks of SMT are juxtaposed against rocks of the North American continental margin sequence along the post-Late Triassic Inconnu Thrust Fault (Murphy *et al.*, 2006). Rocks from these terranes in the Finlayson Lake District are characterized by variably deformed and metamorphosed, lower greenschist to amphibolite facies metasedimentary and metavolcanic rocks and affiliated metaplutonic suites.

The district is bounded by the Tintina Fault to the southwest and the Inconnu Thrust Fault to the northeast. The Tintina Fault is a large transcurrent structure that produced over 450 km of dextral offset during the Eocene.

The following descriptions of YTT and SMT are largely summarized from Murphy *et al.* (2006).

Rocks of YTT in the Finlayson Lake District lie between the Tintina Fault and the Jules Creek Fault. YTT is subdivided into a number of fault- and unconformity-bounded groups and formations. From the structurally deepest levels of the district upwards, these include: (1) North River Formation, Grass Lakes and Wolverine Lake Groups, and affiliated metaplutonic rocks in the Big Campbell Thrust Sheet; (2) North River, Waters Creek and Tuchtua River formations and affiliated intrusions in the Money Creek Thrust Sheet; and (3) Cleaver Lake Formation and intrusions of the Cleaver Lake Thrust Sheet (Figure 4). Regional shortening, uplift, erosion and synorogenic clastic sedimentation took place during Early Permian. Lower Permian Money Creek Formation was deposited unconformably atop folded Mississippian and Pennsylvanian rocks and was subsequently folded and overthrust by the Cleaver Lake and Money Creek thrust faults. The movement of the Money Creek Thrust Fault is constrained to Early Permian because both the hanging wall and footwall are unconformably overlain by Lower Permian rocks of Campbell Range Formation of SMT.

North River Formation quartzose metaclastic rocks and metapelites are the oldest exposed rock units in the Big Campbell Thrust Sheet. North River Formation is overlain by chloritic schist and lesser carbonaceous phyllite of Fire Lake Formation of Grass Lakes Group. This formation hosts the Besshi-style Fyre Lake Deposit (Hunt, 2002). This Late Devonian deposit is associated with chloritic phyllite and greenstone of boninitic composition (Piercey *et al.*, 2004). Mafic and variably serpentinized ultramafic rocks are present as sills and dikes in Fire Lake and North River formations, respectively. Stratigraphically overlying Fire Lake Formation is a carbonaceous phyllite-dominated succession, which has been divided into two parts. The lower part, Kudz Ze Kayah Formation, contains felsic metavolcanic rocks that host the Kuroko-style Kudz Ze Kayah and GP4F deposits, while the upper part, Wind Lake Formation, contains mafic metavolcanic rocks and quartzite (Murphy, 1998). Grass Lakes Group is intruded by Late Devonian to Early Mississippian Grass Lakes Plutonic Suite and Early Mississippian Simpson Range Plutonic Suite.

Wolverine Lake Group unconformably overlies Grass Lakes Group and hosts the Kuroko-style Wolverine Deposit. This deposit occurs in a thick sequence of Carboniferous rhyolitic metavolcanic rocks and carbonaceous argillite (Tucker *et al.*, 1997). Together, the Grass Lakes and Wolverine Groups have been interpreted to represent a continental back-arc rift to back-arc basin assemblage.

During Early Permian, YTT experienced regional shortening and uplift. The deformation and erosion of the Mississippian and Pennsylvanian rocks were followed by unconformable deposition of Money Creek Formation. Money Creek Formation comprises carbonaceous phyllite and sandstone, varicoloured chert, chert-pebble conglomerate, and diamictite. This formation was emplaced atop units of Wolverine Lake Group in the Big Campbell Thrust Sheet and Tuchitua River Formation, Whitefish Limestone, White Lake Formation, King Arctic Formation and Finlayson Creek Limestone in the Money Creek Thrust Sheet by the Cleaver Lake and Money Creek Thrust Faults. Money Creek Formation is preserved in the Big Campbell and Money Creek Klippen.

The imbricated rocks of YTT are juxtaposed against rocks of SMT along the Jules Creek Fault. SMT of the Finlayson Lake District consists of Mississippian to Lower Permian Fortin Creek Group, Lower Permian Campbell Range Formation and spatially associated plutonic rocks, and Lower Permian limestone and quartzite. The Ice Deposit is hosted in Campbell Range Formation basalt (Hunt, 2002).

Middle Permian and younger sequences in the Finlayson Lake District are derived from, or deposited on both YTT and SMT. Middle Permian to Triassic Simpson Lake Group is composed of clastic rocks derived from both terranes and Middle Permian felsic and mafic metavolcanic rocks (Mortensen *et al.*, 1999). SMT, YTT and overlapping rocks are juxtaposed against Triassic shale and siltstone and older rocks of the North American continental margin sequence along the Inconnu Thrust Fault.

During the Mesozoic era, two types of intrusion were emplaced in the Finlayson Lake District. The first comprises several unmetamorphosed Early Jurassic, mafic and intermediate composition plutons. The second consists of Late Cretaceous two-mica quartz monzonite and granite (Mortensen and Jilson, 1985).

Five major VMS deposits have been discovered in the district (Figure 4). The Kudz Ze Kayah, GP4F, Wolverine and Fyre Lake deposits, all occur within YTT, while the Ice Deposit is hosted in SMT.

### **PROPERTY GEOLOGY**

Systematic geological mapping at the Four Corners property was conducted by Wolverine Minerals in 2011 (Four Corners West property) and Strategic Metals in 2013 (Four Corners East property). The following descriptions are based on the compilation of data from this work. Property-scale mapping of the Four Corners property is shown on Figure 5. While outcrop is moderately abundant near ridge crests and along creek cuts in the central part of the property, bedrock is obscured by glacial till and vegetation elsewhere on the property. Unit descriptions and terminology used throughout this section are based on mapping done by the Yukon Geological Survey (Murphy and Piercey, 1999 and Murphy *et al.*, 2003).

The YTT rocks on the property mostly comprise metavolcanic units and laterally extensive ultramafic intrusions. The lowest stratigraphic unit consists of mafic metavolcanic rocks of Late

Devonian Fyre Lake Formation (DF). This unit is conformably overlain by felsic metavolcanic rocks of Late Devonian Kudz Ze Kayah Formation (DK). These stratigraphic units have been intruded by Late Devonian, variably serpentinized ultramafic rocks (Dum). The youngest rocks in the vicinity of the Four Corners property are found one kilometre to the southwest of the claim block, where the older units are cut by a north-northwesterly elongated, nearly 10 km long granitic stock (Kg). Unit descriptions are summarized in Table I.

**Table I: Lithological Units at the Four Corners Property**  
(after Murphy and Piercey, 1999 and Murphy *et al.*, 2003)

<b>Unit (Age)</b>	<b>Description</b>
Kg (Mid-Cretaceous)	Massive to weakly foliated, medium to coarse grained biotite-muscovite granite, generally equigranular.
Dum (Late Devonian)	Brown weathering, dark green to black, variably serpentinized dunite, includes gabbro and/or pyroxenite locally.
DK (Late Devonian)	Kudz Ze Kayah felsic metavolcanic formation: feldspar-muscovite-quartz schist.
DF (Late Devonian)	Fyre Lake mafic metavolcanic formation: massive to subtly layered chlorite-biotite-plagioclase-actinolite schist.

Foliation attitudes strike northwesterly and dip moderately to the northeast. Compositional layering in the stratified rocks is approximately parallel to foliation.

The Four Corners property lies in a thrust window that is bound to the north and south by the Money Creek Thrust Fault. Although no faults have been mapped on the property, abundant quartz veins in the central part of the claim block indicate that extensional structures are present.

### **MINERALIZATION**

VMS-type mineralization has been discovered in the eastern parts of the Four Corners property, at four showings (IC, HS, SW and KG) and as float within a creek cut. Gold has been discovered in the western part of the property at the PS showing.

In 2018, a total of 26 rock samples were collected from the northeastern part of the property. Rock sample locations are shown on Figure 6. Highlight values for gold, silver, copper, nickel and cobalt mineralization are shown on Figure 7.

The 2018 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. Sample preparation and multi-element analyses for 2018 rock samples were carried out at ALS Minerals'

laboratories in Whitehorse, Yukon and North Vancouver, BC, respectively. 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). For all of the samples, an additional 30 g charge was further analyzed for gold by fire assay with inductively coupled plasma and atomic emission spectroscopy finish (Au-ICP21). Rock Sample Descriptions and Certificates of Analysis are provided in Appendices III and IV, respectively.

Rock sampling in 2018 was conducted during prospecting traverses in the eastern part of the property. Prospecting identified elevated nickel-cobalt values in an area north of the SW Showing. The showings found on the property are described in the following paragraphs

The **IC Showing** is located in the easternmost part of the property. It comprises strataform, 1 to 15 cm thick bands of massive pyrite with rare sphalerite and galena that are hosted in siliceous felsic exhalite and argillite of the DK unit. Specimens of this banded mineralization reportedly contain up to 8000 ppm lead and 2000 ppm zinc, but the locations of these samples were not specified (Bannister and Holroyd, 1998; Senft, 1997; and Senft, 1998). Samples collected in the area in 2006 returned weakly elevated values for copper (up to 254 ppm), silver (up to 1.4 g/t), lead (up to 457 ppm) and zinc (up to 387 ppm) (Wengzynowski, 2006).

The **HS Showing** lies 800 m northwest of the IC Showing. The terrain is moderately steep, but outcrop is rare due to thick vegetation. Mineralization at this location consists of limonite boxwork and limonitic chlorite schist in a small vegetation “kill zone” within the DF metavolcanics. Specimens of this limonite-rich material yielded up to 0.97% copper, with near background values for most other metals except cobalt (up to 184 ppm) and zinc (up to 2850 ppm). Malachite and azurite coated carbonate float, found downslope of the limonite showing, assayed up to 2.07 % copper (Wengzynowski, 2006). Hand trenching in 2010 returned 2903 ppm copper over 4.2 m (Eaton, 2011). Detailed prospecting and geological mapping conducted along trend to the northwest of the showing delineated a 400 m long by about 10 m wide band of strongly quartz-carbonate altered DF chloritic schist with minor chalcopyrite and locally strong malachite and azurite coatings.

The **KG Showing** lies 1200 m west of the IC Showing and is hosted in DK metavolcanics. A composite chip sample of limonite-coated phyllite returned 1.33 ppm silver and 474 ppm copper, while a chip sample across limonitic felsic schist returned 214 ppb gold, 3.75 ppm silver and 100 ppm antimony over two metres .

The **SW Showing** is located 750 m west of the HS Showing and is characterized by limonite boxwork, quartz-carbonate alteration, and limonitic mica schist within DF. Specimen samples of quartz-carbonate altered schist collected from this area in 2009 returned 3.5 ppm silver and 582 ppm copper, but were not analyzed for gold. In 2013, a specimen sample of limonite boxwork returned 215 ppb gold, 4.78 ppm silver and 44.2 ppm antimony, while a 0.75 m chip sample of limonitic biotite schist returned 74 ppb gold and 516 ppm copper (Montague, 2014).

A rock sample collected approximately 1000 m west of the SW Showing, in a creek cut flanked by heavily vegetated terrain returned 4460 ppm copper and 596 ppm zinc, with low values for other elements of interest.

The **PS Showing** is located approximately 6 km to the west of the HS Showing. It consists of gold bearing, silica-altered rocks that form a more than 100 m long talus train within DF metavolcanics. The talus train is about 8 m wide and consists primarily of white quartz-flooded material. In the centre of the train, there is a one to three metre wide band of distinctive green chalcedony believed to be coloured by finely disseminated chrome mica. In 2003, a sample composed of several chips from two 70 cm diameter boulders of the green chalcedony assayed 4.28 g/t gold and 2.64 g/t silver (Eaton, 2011). Another chip sample taken nearby, across three metres of talus centered on the green chalcedony band returned 198 ppb gold.

A second gold target, one kilometre north-northeast of the PS Showing, is exposed along an actively eroding creek bank. This target comprises disseminated pyrite and arsenopyrite in a three to five metre thick, dark grey siliceous horizon within a section of chlorite schist. The prospective horizon was not sampled, but rusty soil collected a few metres uphill returned 591 ppb gold.

Rocks collected in 2018 returned elevated values of nickel and cobalt, up to 3050 ppm and 121.5 ppm, respectively. Values for all other elements of interest were subdued. Chip samples collected across 30 m of Dum ultramafic returned a weighted average of 2662 ppm nickel and 110 ppm cobalt, including a 12 m interval of 3030 ppm nickel and 117 ppm cobalt.

### **SOIL GEOCHEMISTRY**

Soil sampling has been conducted across different parts of the Four Corners at various times since 1996. Threshold and peak values for soil samples collected on the property are found on Table II.

In 2018, a total of 270 soil samples were collected from the property, as shown on Figure 8. Results for gold, silver, copper, lead, zinc, barium, nickel and cobalt, where available, are plotted on Figures 9 to 16, respectively.

The 2018 soil sample locations were recorded using hand-held GPS units. Grid soil samples were taken at 50 m intervals along lines spaced 100 m apart. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 50 cm wooden lath that were driven into the ground. Most of the soil samples were collected from 15 to 120 cm deep holes using hand-held augers. They were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Minerals in Whitehorse, where they were dried and screened to -180 microns. The fine fractions were then shipped to ALS Minerals in North Vancouver, where they were dissolved in a four acid solution and analyzed for 48 elements using inductively coupled plasma-mass spectroscopy and inductively coupled plasma-atomic emission spectroscopy techniques (ME-MS41). An additional 30 g charge was further analyzed for gold by fire assay with inductively coupled plasma and atomic emission spectroscopy finish.



(Au-ICP21). Certificates of Analysis are given in Appendix IV.

**Table II – Soil Geochemical Thresholds and Peak Values**

Element	Weak	Moderate	Strong	Historical Peak Values	2018 Peak Values
Gold (ppb)	≥ 5 < 20	≥ 20 < 50	≥ 50	591	77
Silver (ppm)	≥ 0.5 < 1	≥ 1 < 2	≥ 2	5.9	0.85
Copper (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200	810	641
Lead (ppm)	≥ 10 < 50	≥ 50 < 100	≥ 100	825	156.5
Zinc (ppm)	≥ 20 < 100	≥ 100 < 200	≥ 200	1130	235
Barium (ppm)	≥ 200 < 1000	≥ 1000 < 2000	≥ 2000	>10,000	3300
Nickel (ppm)	≥ 100 < 500	≥ 500 < 1000	≥ 1000	2700	3400
Cobalt (ppm)	≥ 10 < 50	≥ 50 < 100	≥ 100	200	226

Collectively, sampling has defined a relatively continuous 3000 by 500 m copper anomaly in the eastern part of the property. Values within this anomaly range from 100 to 810 ppm copper. The area of anomalous copper closely conforms to the inferred trace of the DF metavolcanic strata and encompasses the HS and SW showings. The largest cluster of high copper values is in a well vegetated area with no outcrop, about 2200 m west-northwest of the HS Showing. In 2013, hand pits were dug to follow up this copper anomaly and, although rock chips collected from the pits contained DF metavolcanics with trace disseminated pyrite, the rock sample returned low values for copper and other elements of interest.

The strongest silver response is located within a 1000 by 300 m area, at the southeast end of the main copper anomaly. This anomaly features values ranging from 1.0 to 5.9 ppm silver and remains open to the east. The strongest values were from samples overlying the DK metavolcanics. The IC Showing lies at the northwest edge of this anomaly. Scattered anomalous silver values (1.0 to 2.4 ppm) were also identified in the northwest corner of the property within the DF and DK.

Three areas of elevated lead values (50 to 825 ppm) occur within DK. The anomalous areas overlap with the IC and KG showings and a third area to the northwest of the KG showing. The strongest response is associated with elevated silver values, encompassing a 700 by 200 m area around the IC Showing.

Moderately to strongly anomalous zinc values, up to 1130 ppm, are scattered through areas underlain by DK and DF, with the largest cluster in the vicinity of the IC Showing.

Strongly to very strongly anomalous barium values (2000 to greater than 10,000 ppm) are concentrated immediately east of the KG Showing at the DK and DF contact. This anomaly encompasses a 600 by 200 m area that remains open to the southeast. Analytical procedures prior to the 2013 program used a partial digestion technique that likely understated barium results.

A 2400 by 2300 m area of strongly anomalous coincident nickel (0.10 to 0.34 %) and cobalt (100 to 226 ppm) is located in the northeastern part of the property within Dum. This anomaly may be attributed to high backgrounds in silicate minerals in the host rocks and not sulphide mineralization; however, they directly overlie a VTEM conductor. This conductor may be due to sulphide minerals in Dum or the underlying DF or DK.

Two isolated, very strongly anomalous gold-in-soil areas occur on the property. In the eastern part of the property, sporadic gold values (up to 587 ppb) occur within or alongside the contact of DF metavolcanics. In the western part of the property, a strongly anomalous gold value (591 ppb) occurs within the same DF unit. No follow up work has been done to determine the sources of these gold values.

### **HISTORICAL HAND TRENCHING**

In 2010, a 17.2 m long hand trench was dug perpendicular to the trend of quartz-carbonate alteration at the HS Showing. Details of this trench can be found in Eaton (2011). The trench is located in a saddle along a northeast-trending ridge – this site was chosen for its likelihood of reaching bedrock, and did not cross the strongest historical mineralization. Trace limonite and rare malachite were encountered within the quartz-carbonate alteration. The strongest values averaged 2903 ppm copper over 4.20 m.

### **HISTORICAL GEOPHYSICS**

In 2006, helicopter-borne magnetic and VTEM surveys were flown by Geotech Ltd. over a large portion of the Four Corners East property. In spring of 2009, data from those surveys were reprocessed and analyzed by Condor Consulting, Inc. Condor identified two northwesterly-trending conductors that may be related to VMS-style mineralization. One of these conductors is located in the north-central part of the claim block. Although it overlies ultramafic rocks, the favourable DF and DK are projected to dip beneath these rocks at a moderate angle. The strongest part of the copper-in-soil anomaly lies directly up-dip from this conductor. The other conductor coincides with the surface trace of the IC Showing.

### **DISCUSSION AND CONCLUSIONS**

The Four Corners property covers Kuroko- and Besshi-type VMS mineralization within Kudz Ze Kayah (DK) and Fyre Lake (DF) formation rocks, ultramafic rocks (Dum) with high nickel and cobalt contents and a gold showing in DF metavolcanics. Samples collected from targets across the eastern half of the property have outlined large, relatively intense soil geochemical anomalies that are locally associated with VTEM conductors.

Soil sampling in 2018 successfully expanded geochemical coverage in the eastern part of the property, and further outlined a widespread area of strongly anomalous nickel and cobalt, with locally elevated gold, copper and barium.

Prospecting in the northeastern part of the property returned rock samples with elevated nickel and cobalt values, but subdued results for all other elements of interest. The high nickel and

cobalt values from rock samples are consistent with values from soil samples, which may reflect strongly elevated background values for these elements throughout the Dum unit. Strong geochemical background values, combined with a pronounced VLEM conductor and the lack of evident sulphide mineralization, suggests this unit may represent the upper parts of a magmatic nickel sulphide system.

The HS and SW showings are likely related as they exhibit similar alteration and textural characteristics. Both showings feature limonitic boxwork in a kill zone, which may be the surface representation of a massive sulphide horizon. If so, most of the copper-bearing sulphide minerals may have been leached by oxygenated groundwater and hydraulically transported downslope, where the dissolved copper precipitated as malachite and azurite in carbonate-rich environments. This proposed transport mechanism is similar to conditions at the Ice Deposit, where limonite boxwork talus marks the leached sulphide horizon at surface and malachite-covered glacial till was found downslope. The strongest copper-in-soil geochemical response at the Four Corners property is located in a heavily vegetated area about 2200 m west-northwest of the HS Showing. The VTEM survey identified a strong conductor down-dip of these highly anomalous copper-in-soil values.

The large barium-in-soil anomaly in the southeastern part of the claim block is encouraging for the presence of a VMS deposit on the property as it may indicate a barite-rich exhalite horizon. In many felsic-hosted VMS systems, barium and zinc are enriched upward and outward from the core of hydrothermal upwelling.

No work has been done to systematically evaluate strong gold-in-soil values on the property; however, the presence of intense quartz-carbonate and quartz-chalcedony alteration suggests that significant gold-bearing VMS horizons or veins may occur on the property.

The Four Corners property warrants additional work. The next phase of exploration should include: 1) detailed geological mapping across the nickel-cobalt enriched Dum unit and around the HS Showing; 2) prospecting and chip sampling to evaluate the presence and extent of sulphides in the Dum unit; 3) petrographic analysis of Dum units to try and identify the presence of discrete sulphide mineralization; and 4) additional soil geochemical sampling.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



K. Willms, B.Sc., GIT.

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



## STATEMENT OF QUALIFICATIONS

I, Kelson Willms, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2016 with a B.Sc in Earth and Environmental Sciences.
2. From 2015 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia, Nevada and Mexico.
3. I am registered and active as a geologist in training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).
4. I have interpreted all data resulting from work described in this report.



K. Willms, B.Sc., GIT.

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

**Statement of Expenditures  
Four Corners Property  
January 18, 2019**

**Labour**

Employee	Job Description	Hours	Time Period	Rate/hr	Total
Doug Eaton	Sr. Geologist	8	March 14 - December 31/18	\$ 120.00	\$ 960.00
Heather Burrell	Sr. Geologist	38	March 14 - December 31/18	\$ 111.00	\$ 4,218.00
Jessie Thompson Gladish	Field Labour	80	March 14 - December 31/18	\$ 64.00	\$ 5,120.00
Kirein McClenahan	Field Labour	72	March 14 - December 31/18	\$ 49.00	\$ 3,528.00
Liz Smith	Logistics & Field Support	19	March 14 - December 31/18	\$ 83.00	\$ 1,577.00
Lorna Corbett	Logistics & Office	20	March 14 - December 31/18	\$ 83.00	\$ 1,660.00
Matt Van Loon	Field Labour	64	March 14 - December 31/18	\$ 80.00	\$ 5,120.00
Scott Newman	Office & Mapping	24	March 14 - December 31/18	\$ 69.00	\$ 1,656.00
Shawn Slipetz	Expediting	12	March 14 - December 31/18	\$ 69.00	\$ 828.00
Thomas Rozsypaleck	Field Labour	64	March 14 - December 31/18	\$ 47.00	\$ 3,008.00
Wayne Schneider	Logistics & Support	10	March 14 - December 31/18	\$ 98.00	\$ 980.00
					\$ 28,655.00

**Expenses**

Field room and board	28 mandays	\$ 100.00 /per day	\$ 2,800.00
Whitehorse room and board	8 mandays	\$ 180.00 / per day	\$ 1,440.00
Fireweed Helicopters, as attached			\$ 5,525.00
Capital Helicopters, as attached			\$ 7,479.24
AC Provided Jet Fuel			\$ 1,144.67
ALS Chemex, as attached			\$ 19,492.88
			<u>\$ 37,881.79</u>

Total 2018 expenditures \$ 66,536.79

Cost per sample \$ 100.36

**APPENDIX III**  
**SAMPLING AND ANALYTICAL PROCEDURES**

## **GEOCHEMICAL SAMPLING AND ANALYTICAL PROCEDURES**

### **1996 to 1998**

#### *Soil Samples*

In 1996, 1997 and 1998 Cominco conducted soil sampling in the vicinity of the current 4C claim block. The samples were taken from B or C horizon soil at 100 m intervals on lines spaced approximately 100 m apart. Analytical techniques were not reported; however, judging from similar programs conducted by Cominco at the same time, the samples were probably sent to Cominco's exploration laboratory in Vancouver, B.C., where they were dried, sieved to -80 mesh and dissolved in aqua regia. They were likely then analyzed for 27 elements using the induced coupled plasma (ICP) technique, for gold using atomic absorption and for Ba using loose packed pellet X-ray fluorescence (XRF).

### **2005**

#### *Rock Samples*

The 2005 soil and rock samples were sent to ALS Chemex Labs in North Vancouver. At ALS Chemex, the rocks were fine crushed to better than 70% - 2mm, then a 1 kg split was pulverized to better than 85% passing 75 microns. The resulting rock fractions were then dissolved in aqua regia and subsequently analyzed by inductively coupled plasma with atomic emission spectroscopy (ME-ICP41).

#### *Soil Samples*

The 2005 soil samples were located by means of compass and hip-chain surveys with frequent checks using handheld GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m thick wooden laths that were driven into the ground. Soil samples were collected from 40 to 60 cm deep holes dug by hand auger. They were placed into individually pre-numbered Kraft paper bags.

The soil samples were sent to ALS Chemex Labs in North Vancouver, where they were dried and sieved to minus 180 microns. The resulting soil fractions were then dissolved in aqua regia and subsequently analyzed by inductively coupled plasma with atomic emission spectroscopy (ME-ICP41).

### **2009**

#### *Rock Samples*

Rock geochemical sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit.

The rock samples were sent to ALS Chemex in North Vancouver, B.C. where they were dried and fine crushed to better than 70% passing 2 mm. A 250 g split was then pulverized to better than 85% passing 75 micron. A portion of this material was digested in aqua regia and analysed for 35 elements by inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41).

#### *Soil Samples*

The 2009 soil samples were located by means of compass and hip-chain surveys with frequent checks using handheld GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m thick wooden lath that were driven into the ground. Soil samples were collected from 40 to 60 cm deep holes dug by hand auger. They were placed into individually pre-numbered Kraft paper bags.

The samples were sent to ALS Chemex in North Vancouver, B.C. where they were dried, screened to -180 microns, dissolved in an aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41).

### **2010**

#### *Rock Samples*

Rock geochemical sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit.

Multi-element analyses for rock samples were carried out at ALS Chemex in North Vancouver, B.C. Each sample was dried, fine crushed to better than 70% passing 2mm and then a 250 g split was pulverized to better than 85% passing 75 micron. The fine fraction was then analyzed for gold using fire assay with inductively coupled plasma-atomic emission spectroscopy finish (Au-ICP21) and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (ME-ICP41).

#### *Soil Samples*

The 2010 soil samples were located by means of handheld GPS. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m thick wooden lath that were driven into the ground. Soil samples were collected from 40 to 60 cm deep holes dug by hand auger. They were placed into individually pre-numbered Kraft paper bags.

The soil samples were sent to ALS Chemex, where they were dried, screened to -180 microns, and then analyzed for 35 elements using ME-ICP41. An additional 30 g charge was further analysed for gold using fire assay with inductively coupled plasma-atomic emission spectroscopy finish (Au-ICP21).

## 2013

### *Rock Samples*

Rock sample sites were marked with flagging and recorded with hand-held GPS units. Rock samples were sent to ALS Minerals in Whitehorse where they were dried and fine crushed to better than 70% passing 2 mm before a 250 g split was pulverized to better than 85% passing 75 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analysed for 48 elements using a four acid digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge from each fine fraction was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21).

### *Soil Samples*

The soil samples were taken on 50 by 100 m intervals, extending the previous grid. Six contour lines were sampled at 50 m spacings. Soil samples were collected from 30 to 60 cm deep holes dug by hand-held augers. All samples were placed into individually pre-numbered Kraft paper bags. Soil 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. Sample locations were recorded using hand-held GPS units.

Soil samples were sent to ALS Minerals in Whitehorse where they were dried and screened to - 180 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analyzed for 48 elements using a four acid digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge from each fine fraction was further analyzed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21).

**APPENDIX IV**  
**ROCK SAMPLE DESCRIPTIONS**



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**Rock Sample Descriptions**Property: 4C

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Sample Number: W591392 UTM: 441835 mE Nad83, Zone 9  
Elevation: 1398 m UTM: 6767283 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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Sample Number: W591393 UTM: 441831 mE Nad83, Zone 9  
Elevation: 1394 m UTM: 6767285 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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Sample Number: W591394 UTM: 441825 mE Nad83, Zone 9  
Elevation: 1394 m UTM: 6767290 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

---

Sample Number: W591395 UTM: 440710 mE Nad83, Zone 9  
Elevation: 1119 m UTM: 6767844 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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**Rock Sample Descriptions**

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Property: 4C

Sample Number: W591396 UTM: 441825 mE Nad83, Zone 9  
Elevation: 1397 m UTM: 6767293 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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Sample Number: W591397 UTM: 441818 mE Nad83, Zone 9  
Elevation: 1280 m UTM: 6767294 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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Sample Number: W591398 UTM: 441812 mE Nad83, Zone 9  
Elevation: 1395 m UTM: 6767295 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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Sample Number: W591399 UTM: 441821 mE Nad83, Zone 9  
Elevation: 1280 m UTM: 6767294 mN

Comments: 30 m chip section across outcrop with light to heavily disseminated sulphides which are magnetic, black, tiny and hard to determine crystal shape but some look tetrahedral. The middle section from 8-27 meters seem most abundant, and especially on the 12-16m section. Orientation of the chip sample is 225 degrees. Steep slope with outcrop and short but deep gullies filled with rubble and overburden. One gully occurs at 10-12m section.

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Sample Number: W591885 UTM: 441480 mE Nad83, Zone 9  
Elevation: m UTM: 6767033 mN

Comments:

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**Rock Sample Descriptions**

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Property: 4C

Sample Number: W591886 UTM: 441369 mE Nad83, Zone 9  
Elevation: m UTM: 6767228 mN  
Comments:

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Sample Number: W591887 UTM: 441465 mE Nad83, Zone 9  
Elevation: m UTM: 6767050 mN  
Comments:

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Sample Number: W591888 UTM: 441865 mE Nad83, Zone 9  
Elevation: m UTM: 6767013 mN  
Comments:

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Sample Number: W591889 UTM: 441828 mE Nad83, Zone 9  
Elevation: m UTM: 6766384 mN  
Comments:

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Sample Number: W591890 UTM: 441828 mE Nad83, Zone 9  
Elevation: m UTM: 6766384 mN  
Comments:

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Sample Number: W591891 UTM: 441385 mE Nad83, Zone 9  
Elevation: m UTM: 6767180 mN  
Comments:

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Sample Number: W591892 UTM: 441437 mE Nad83, Zone 9  
Elevation: m UTM: 6767086 mN  
Comments:

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**Rock Sample Descriptions**

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Property: 4C

Sample Number: W591893 UTM: 441197 mE Nad83, Zone 9  
Elevation: m UTM: 6767556 mN  
Comments:

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Sample Number: W591894 UTM: 441934 mE Nad83, Zone 9  
Elevation: m UTM: 6768736 mN  
Comments:

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Sample Number: W591895 UTM: 441934 mE Nad83, Zone 9  
Elevation: m UTM: 6768736 mN  
Comments:

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Sample Number: W591896 UTM: 441934 mE Nad83, Zone 9  
Elevation: m UTM: 6768736 mN  
Comments:

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Sample Number: W591897 UTM: 441934 mE Nad83, Zone 9  
Elevation: m UTM: 6768736 mN  
Comments:

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Sample Number: W591898 UTM: 441505 mE Nad83, Zone 9  
Elevation: m UTM: 6766984 mN  
Comments:

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Sample Number: W591899 UTM: 441649 mE Nad83, Zone 9  
Elevation: m UTM: 6766468 mN  
Comments:

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**Rock Sample Descriptions**

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Property: 4C

Sample Number: W591900 UTM: 441360 mE Nad83, Zone 9  
Elevation: m UTM: 6767080 mN  
Comments:

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Sample Number: W594103 UTM: 441989 mE Nad83, Zone 9  
Elevation: m UTM: 6766622 mN  
Comments:

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Sample Number: W594104 UTM: 442986 mE Nad83, Zone 9  
Elevation: m UTM: 6766600 mN  
Comments:

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**APPENDIX V**  
**CERTIFICATES OF ANALYSIS**



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 www.alsglobal.com/geochemistry

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

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**Account: MTT**

**CERTIFICATE WH18206271**

Project: 4C

This report is for 250 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22- AUG- 2018.

The following have access to data associated with this certificate:

HEATHER BURRELL SCOTT NEWMAN	ANDREW CARNE	JACK MORTON
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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- MS61	48 element four acid ICP- MS	

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: 15- SEP- 2018  
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**CERTIFICATE OF ANALYSIS WH18206271**

Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09063		0.83	<0.001	0.06	6.88	11.0	800	1.27	0.20	3.55	0.16	61.1	35.0	327	2.42	67.3
YY09064		0.49	<0.001	0.07	6.60	2.4	1000	1.84	0.28	2.71	0.14	60.7	26.6	263	3.11	33.6
YY09065		0.60	0.001	0.11	5.78	11.4	920	1.62	0.27	2.36	0.18	65.2	40.6	496	3.02	36.2
YY09066		0.68	<0.001	0.05	6.02	16.2	910	1.44	0.16	2.59	0.11	53.2	37.0	488	2.32	21.1
YY09067		0.77	0.002	0.08	5.51	15.4	800	1.89	0.25	2.02	0.16	58.2	41.1	644	2.60	27.2
YY09068		0.89	<0.001	0.06	4.82	10.8	750	1.32	0.20	2.00	0.15	52.9	56.7	1080	2.19	25.7
YY09069		0.58	<0.001	0.02	4.11	5.9	610	0.92	0.15	1.52	0.10	33.9	64.3	1170	1.66	12.7
YY09070		0.67	0.006	0.11	4.36	4.1	630	1.09	0.14	1.71	0.21	43.8	59.8	1030	1.89	23.0
YY09071		0.59	<0.001	0.13	6.21	3.3	790	1.53	0.21	1.82	0.20	50.0	28.2	372	3.21	23.9
YY09072		0.45	0.002	0.85	5.82	2.5	660	1.37	0.30	0.81	0.69	53.2	10.5	138	4.24	33.9
YY09073		0.59	<0.001	0.12	6.33	5.6	1000	1.81	0.22	1.84	0.30	65.3	32.0	388	4.30	23.0
YY09074		0.43	<0.001	0.20	6.00	11.1	740	1.33	0.16	2.01	0.12	43.8	32.0	458	2.32	21.5
YY09075		0.45	0.001	0.07	2.61	7.4	300	0.77	0.11	0.70	0.18	24.9	92.5	1620	1.71	19.6
YY09076		0.49	0.004	0.06	3.08	6.7	380	0.82	0.11	0.78	0.13	29.8	77.7	1680	2.00	15.4
YY09077		0.62	0.003	0.23	3.21	16.4	420	0.83	0.13	0.80	0.53	31.6	98.4	1220	2.41	25.0
YY09078		0.62	<0.001	0.22	4.62	8.5	570	1.16	0.15	1.25	0.32	41.5	44.1	710	2.59	26.9
YY09079		0.63	<0.001	0.05	5.49	5.1	840	1.64	0.19	1.65	0.18	57.7	31.9	477	2.86	14.0
YY09080		0.62	0.001	0.32	5.36	9.0	720	1.48	0.25	1.49	0.15	56.7	27.8	383	2.71	34.3
YY09081		0.47	0.001	0.13	5.80	10.6	730	1.30	0.22	1.49	0.16	44.6	31.3	342	4.87	20.0
YY09082		0.66	<0.001	0.09	6.09	3.3	870	1.44	0.28	2.09	0.14	67.9	19.5	279	1.93	16.3
YY09083		0.66	<0.001	0.07	5.78	5.1	820	1.50	0.22	2.18	0.23	63.8	38.4	513	2.29	16.1
YY09084		0.68	<0.001	0.04	5.92	4.7	810	1.36	0.16	2.06	0.17	58.6	18.6	395	2.68	8.3
YY09085		0.52	<0.001	0.19	5.54	14.6	720	1.29	0.20	1.65	0.27	50.1	35.7	456	5.72	17.8
YY09086		0.66	<0.001	<0.01	5.84	4.2	800	1.45	0.24	1.94	0.16	57.0	24.7	410	2.36	11.4
YY09087		0.59	<0.001	0.02	5.80	5.3	800	1.23	0.28	1.82	0.15	46.6	21.8	538	2.48	10.3
YY09088		0.63	<0.001	0.02	5.51	3.3	730	1.21	0.21	2.08	0.14	53.2	28.2	486	1.80	12.0
YY09089		0.55	<0.001	0.01	5.77	2.4	740	1.20	0.16	2.16	0.15	48.5	29.3	581	1.82	12.0
YY09090		0.57	<0.001	0.02	5.61	2.1	740	1.09	0.15	2.04	0.12	47.0	21.7	466	2.04	7.0
YY09091		0.53	0.002	0.04	6.08	4.8	810	1.42	0.25	1.98	0.13	54.2	18.9	347	2.21	11.3
YY09092		0.55	<0.001	0.03	5.22	2.4	700	0.99	0.28	1.68	0.09	51.9	10.1	516	2.67	3.8
YY09093		0.63	0.001	0.03	5.79	4.8	760	1.33	0.23	1.69	0.10	51.8	12.5	194	1.80	8.6
YY09094		0.51	0.015	0.36	7.52	1.1	350	0.56	0.15	2.88	0.10	26.7	39.7	209	1.88	393
YY09095		0.44	<0.001	0.08	8.28	0.9	1230	1.94	0.30	1.63	0.16	32.9	34.4	240	6.89	148.0
YY09096		0.52	<0.001	0.07	6.59	2.9	1200	1.89	0.55	2.60	0.19	60.7	21.8	204	4.75	83.6
YY09097		0.50	0.004	0.05	6.37	2.1	1200	1.65	0.47	2.31	0.13	57.7	16.5	189	4.64	20.8
YY09098		0.46	<0.001	0.06	6.66	3.3	1090	1.55	0.40	3.07	0.17	55.1	27.6	286	3.46	61.1
YY09099		0.47	0.001	0.02	5.73	7.6	590	0.95	0.15	2.41	0.19	42.1	55.8	757	2.42	55.7
YY09100		0.55	<0.001	<0.01	6.20	4.1	1070	1.80	0.43	1.91	0.14	67.5	33.3	469	4.09	18.5
YY09101		0.52	<0.001	0.15	6.56	4.5	930	1.61	0.28	1.75	0.17	80.3	11.6	145	2.38	14.3
YY09102		0.43	<0.001	0.03	6.11	5.3	1140	1.96	0.22	1.80	0.13	82.2	13.7	150	2.66	22.2





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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY09063		5.72	14.55	0.12	1.8	0.063	1.64	29.0	24.9	3.53	962	0.80	1.55	14.5	204	640
YY09064		4.43	14.95	0.13	2.2	0.060	2.11	28.7	20.3	3.04	832	0.65	1.42	13.6	261	920
YY09065		4.63	14.15	0.14	2.4	0.061	2.10	33.9	21.7	4.69	929	1.11	1.12	15.8	576	660
YY09066		4.46	13.90	0.12	2.1	0.059	1.84	26.2	18.3	4.24	745	0.48	1.36	14.6	392	360
YY09067		4.79	12.85	0.13	1.8	0.051	1.70	29.3	16.7	4.56	801	0.62	1.16	12.5	590	550
YY09068		5.68	11.05	0.11	1.2	0.050	1.49	25.3	14.0	5.81	941	0.54	1.04	12.5	844	540
YY09069		5.82	10.05	0.09	1.3	0.041	1.22	16.7	11.4	8.87	868	0.50	0.87	9.7	916	370
YY09070		5.33	9.95	0.09	1.2	0.038	1.15	21.4	12.4	8.44	899	0.55	1.03	8.4	1000	570
YY09071		4.03	14.90	0.10	1.6	0.046	1.53	25.1	24.3	3.38	715	0.89	1.33	12.3	351	510
YY09072		3.08	17.20	0.12	2.2	0.047	1.35	26.0	19.5	1.06	591	2.35	0.75	12.3	65.0	550
YY09073		4.07	15.35	0.13	1.5	0.061	2.02	32.0	28.9	3.25	781	0.80	1.17	14.6	317	760
YY09074		3.35	13.70	0.11	1.9	0.035	1.51	24.3	21.2	3.36	739	1.77	1.68	7.6	293	920
YY09075		6.19	5.96	0.07	0.8	0.021	0.51	12.0	12.0	13.75	970	0.66	0.44	4.3	1675	420
YY09076		6.11	7.14	0.08	1.0	0.027	0.65	14.2	12.7	11.70	809	1.45	0.51	5.7	1430	540
YY09077		7.56	7.88	0.07	1.2	0.028	0.72	16.1	9.7	9.36	448	3.95	0.53	5.6	1460	490
YY09078		4.26	10.95	0.08	1.7	0.028	1.07	20.8	16.0	6.99	592	1.84	0.93	7.7	940	680
YY09079		4.03	13.50	0.10	1.4	0.045	1.79	28.2	18.2	4.54	553	0.88	1.19	15.3	526	630
YY09080		3.53	13.10	0.13	1.9	0.034	1.51	43.9	17.0	4.00	492	1.98	1.37	9.3	504	850
YY09081		3.60	14.25	0.09	1.9	0.036	1.47	23.6	19.4	3.82	685	1.23	1.37	9.1	477	1060
YY09082		3.16	13.60	0.11	1.7	0.042	1.78	34.4	15.7	1.96	557	0.63	1.58	13.3	183.5	550
YY09083		4.33	13.80	0.11	1.6	0.048	1.61	31.0	17.0	3.50	596	0.60	1.42	14.4	433	750
YY09084		3.41	14.10	0.11	1.5	0.046	1.75	28.7	18.6	2.65	626	0.62	1.46	14.1	216	320
YY09085		3.93	13.70	0.10	1.8	0.038	1.45	26.1	18.9	4.25	886	1.12	1.23	11.0	523	1150
YY09086		3.92	13.80	0.09	1.7	0.051	1.63	27.3	16.9	2.53	624	0.31	1.42	14.0	299	340
YY09087		4.76	14.30	0.09	1.7	0.049	1.71	22.5	19.5	2.81	674	0.60	1.32	14.3	254	480
YY09088		4.00	12.60	0.10	1.4	0.044	1.56	25.7	12.8	3.98	692	0.37	1.43	13.7	393	310
YY09089		3.98	13.05	0.08	1.5	0.043	1.44	23.7	14.0	3.95	615	0.16	1.49	11.8	411	240
YY09090		3.76	12.75	0.09	1.4	0.043	1.54	22.6	15.3	3.35	599	0.47	1.43	12.5	254	120
YY09091		4.10	14.90	0.11	1.5	0.053	1.65	26.6	19.4	2.27	631	0.56	1.46	15.1	159.0	240
YY09092		2.39	13.70	0.09	1.9	0.035	1.59	25.5	9.6	2.13	466	0.75	1.39	15.2	123.5	170
YY09093		2.95	12.40	0.09	1.4	0.043	1.60	26.0	14.4	1.52	503	0.30	1.52	14.4	106.0	380
YY09094		10.35	20.3	0.09	0.8	0.114	0.53	12.9	17.0	5.76	1520	0.79	1.33	11.2	68.8	470
YY09095		5.35	18.90	0.08	1.0	0.057	1.56	14.5	34.6	3.69	1250	0.19	0.54	10.4	136.0	520
YY09096		4.56	18.05	0.12	2.4	0.067	1.91	27.7	30.0	2.26	927	0.89	1.21	19.0	99.6	490
YY09097		3.83	19.65	0.11	2.8	0.060	2.08	28.2	24.1	2.10	696	1.03	1.20	19.4	78.6	230
YY09098		4.90	15.85	0.11	1.9	0.060	1.72	25.6	26.7	2.89	974	0.77	1.36	15.8	204	470
YY09099		6.07	13.15	0.08	1.4	0.047	1.00	20.3	14.6	7.35	842	0.34	1.45	11.0	894	360
YY09100		5.09	18.65	0.13	3.0	0.066	2.17	32.2	30.4	3.80	782	0.75	1.10	20.3	342	200
YY09101		3.28	14.75	0.13	1.6	0.054	1.89	39.7	18.2	1.41	627	0.37	1.50	15.3	72.3	700
YY09102		3.28	14.15	0.13	1.5	0.050	1.77	40.2	18.4	1.50	675	0.45	1.45	14.9	92.3	310



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09063		10.3	55.2	<0.002	0.01	0.24	27.9	1	2.1	128.5	0.93	<0.05	8.06	0.634	0.28	2.2
YY09064		12.5	73.5	<0.002	0.03	0.30	18.2	1	2.4	172.0	0.85	<0.05	7.94	0.452	0.39	2.1
YY09065		12.4	73.4	0.002	0.06	0.43	16.1	2	2.5	156.0	0.92	<0.05	9.40	0.390	0.42	3.5
YY09066		10.7	59.9	<0.002	0.01	0.31	17.7	1	2.2	172.0	0.86	<0.05	7.37	0.452	0.32	1.8
YY09067		11.8	64.7	<0.002	0.02	0.51	15.5	1	2.2	151.0	0.81	0.05	8.87	0.387	0.34	1.8
YY09068		11.2	55.7	<0.002	0.01	0.62	15.6	1	1.9	138.5	0.91	0.06	8.24	0.363	0.32	1.6
YY09069		9.6	43.3	<0.002	0.01	0.57	13.5	1	1.6	101.0	0.64	<0.05	4.47	0.301	0.22	1.2
YY09070		8.3	47.1	<0.002	0.02	0.55	14.6	1	1.3	137.0	0.55	<0.05	5.51	0.293	0.23	1.4
YY09071		12.6	74.6	<0.002	0.02	0.44	14.6	1	1.9	205	0.81	0.07	7.14	0.396	0.40	1.7
YY09072		13.9	62.2	<0.002	0.04	0.43	10.0	3	2.1	133.5	0.85	0.12	7.19	0.421	0.41	2.3
YY09073		14.7	98.4	<0.002	0.02	0.27	14.9	1	2.6	163.5	0.94	0.06	9.88	0.404	0.54	2.1
YY09074		10.3	54.8	0.003	0.05	0.49	9.9	2	1.2	356	0.52	<0.05	5.44	0.287	0.35	3.1
YY09075		5.6	26.8	<0.002	0.03	0.42	10.5	1	0.7	83.6	0.28	<0.05	3.23	0.156	0.17	0.8
YY09076		6.5	29.8	<0.002	0.03	0.47	11.5	1	0.9	85.3	0.38	<0.05	3.84	0.208	0.16	1.0
YY09077		6.0	36.8	0.003	0.06	0.49	12.3	6	1.0	83.3	0.41	<0.05	4.69	0.183	0.31	1.5
YY09078		8.5	43.5	<0.002	0.04	0.55	10.5	3	1.2	166.0	0.60	0.05	6.11	0.245	0.31	2.2
YY09079		10.6	76.9	<0.002	0.01	0.28	13.4	1	2.5	151.0	1.06	<0.05	7.89	0.364	0.42	1.9
YY09080		10.8	65.6	0.003	0.05	0.44	10.3	2	1.5	236	0.68	<0.05	9.51	0.256	0.39	4.5
YY09081		9.5	61.7	0.002	0.07	0.40	9.8	2	1.5	234	0.66	<0.05	7.46	0.246	0.45	3.0
YY09082		13.9	70.4	<0.002	0.02	0.37	11.9	1	2.1	243	0.90	0.05	10.90	0.361	0.40	2.7
YY09083		12.0	68.0	<0.002	0.01	0.32	15.9	1	2.2	188.0	1.04	<0.05	9.61	0.391	0.42	2.8
YY09084		11.0	76.2	<0.002	0.01	0.20	13.9	<1	2.3	186.5	1.00	<0.05	8.43	0.390	0.40	2.0
YY09085		10.1	70.8	0.003	0.07	0.37	11.4	2	2.0	200	0.75	<0.05	8.79	0.285	0.48	2.8
YY09086		13.6	66.6	<0.002	0.01	0.30	14.2	1	2.4	184.0	1.00	<0.05	8.22	0.365	0.39	2.0
YY09087		12.0	67.7	<0.002	0.01	0.30	13.0	1	2.3	175.5	1.06	<0.05	6.73	0.385	0.37	1.8
YY09088		11.9	57.8	<0.002	0.01	0.28	14.4	1	2.0	181.5	1.02	0.06	7.78	0.356	0.33	1.9
YY09089		9.6	56.8	<0.002	<0.01	0.25	13.7	<1	1.9	190.5	0.82	<0.05	6.74	0.353	0.30	1.6
YY09090		10.4	67.9	<0.002	0.01	0.22	13.9	<1	2.0	179.0	0.87	<0.05	6.25	0.364	0.33	1.6
YY09091		12.3	66.4	<0.002	0.01	0.37	14.7	<1	2.4	191.0	1.10	0.08	8.41	0.400	0.39	1.9
YY09092		11.9	90.3	<0.002	0.01	0.32	11.4	1	2.4	196.0	1.08	<0.05	6.63	0.368	0.38	1.8
YY09093		12.4	65.8	<0.002	0.01	0.41	11.0	1	2.1	196.0	1.38	0.05	8.29	0.354	0.38	1.9
YY09094		2.9	20.9	<0.002	0.06	<0.05	39.1	1	1.4	90.0	0.67	0.12	2.56	0.784	0.12	0.8
YY09095		19.5	56.9	<0.002	0.02	0.05	27.9	1	1.9	85.2	0.64	0.07	4.21	0.503	0.39	1.2
YY09096		15.6	76.1	<0.002	0.02	0.32	20.0	1	3.3	150.0	1.28	<0.05	9.13	0.553	0.40	2.3
YY09097		14.7	87.6	<0.002	0.01	0.19	18.7	1	3.7	141.5	1.25	<0.05	7.73	0.533	0.43	2.2
YY09098		12.4	64.6	<0.002	0.01	0.24	19.9	1	2.6	162.0	1.01	<0.05	7.48	0.538	0.36	1.9
YY09099		8.1	44.8	<0.002	0.01	0.49	20.7	<1	1.5	159.0	0.72	0.05	5.95	0.412	0.22	1.4
YY09100		13.3	78.4	<0.002	0.01	0.31	17.4	<1	3.9	134.5	1.32	<0.05	9.68	0.475	0.40	2.5
YY09101		15.1	77.2	<0.002	0.01	0.49	12.4	1	2.5	198.5	1.06	<0.05	13.35	0.390	0.47	2.7
YY09102		13.7	70.4	<0.002	0.01	0.49	14.4	1	2.4	189.0	1.04	<0.05	11.05	0.370	0.46	2.6



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
YY09063		173	1.1	28.6	90	69.2
YY09064		123	1.3	22.9	77	91.7
YY09065		107	1.5	24.1	73	92.5
YY09066		117	1.4	20.4	68	84.8
YY09067		98	1.7	22.7	81	64.6
YY09068		101	1.8	18.3	80	46.3
YY09069		92	1.6	11.7	81	50.6
YY09070		94	1.3	14.1	71	48.9
YY09071		107	1.3	14.9	92	61.7
YY09072		112	1.3	17.5	93	78.5
YY09073		101	1.4	19.5	87	56.1
YY09074		80	1.6	13.8	67	74.3
YY09075		62	1.0	6.5	78	31.2
YY09076		84	1.3	7.9	87	40.8
YY09077		79	2.0	10.2	95	40.0
YY09078		83	1.4	11.6	101	59.3
YY09079		91	1.6	18.1	88	68.6
YY09080		72	2.2	18.4	72	70.0
YY09081		70	2.0	13.5	74	73.2
YY09082		81	1.2	18.2	68	58.0
YY09083		101	1.6	20.6	77	64.0
YY09084		92	1.7	18.6	54	55.6
YY09085		80	2.5	16.4	92	61.6
YY09086		89	1.3	18.2	58	52.4
YY09087		96	1.4	15.9	70	63.1
YY09088		87	1.1	17.8	57	50.9
YY09089		93	1.0	15.4	62	46.7
YY09090		93	1.0	15.6	54	46.9
YY09091		97	1.4	16.8	62	51.9
YY09092		81	1.4	14.4	43	57.8
YY09093		77	1.4	15.5	53	47.7
YY09094		263	0.5	17.6	225	29.4
YY09095		184	0.7	10.8	117	37.6
YY09096		132	1.7	22.9	92	121.0
YY09097		126	2.1	20.8	77	102.0
YY09098		140	1.5	20.6	95	75.8
YY09099		137	1.3	14.9	94	54.3
YY09100		115	2.2	20.6	79	128.0
YY09101		86	1.5	20.9	63	53.3
YY09102		87	1.4	20.6	67	51.0



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY09103		0.38	<0.001	0.10	6.47	5.5	1010	1.75	0.23	1.84	0.23	62.4	13.1	155	2.82	13.1
YY09104		0.34	<0.001	0.06	6.90	4.5	1270	1.86	0.27	1.74	0.29	63.2	16.7	185	4.10	17.7
YY09105		0.38	<0.001	0.13	6.65	4.5	1260	1.76	0.28	1.55	0.19	58.2	13.9	160	3.61	17.6
YY09106		0.38	0.007	0.03	6.27	4.9	930	1.71	0.22	1.79	0.11	60.6	17.8	190	2.52	22.0
YY09107		0.40	<0.001	0.05	6.49	5.2	1340	1.68	0.33	1.50	0.15	64.9	11.4	183	4.89	14.0
YY09108		0.44	<0.001	0.03	5.91	4.7	830	1.44	0.21	1.82	0.19	61.0	12.6	156	2.19	12.8
YY09109		0.49	<0.001	0.39	7.37	3.5	920	1.64	0.22	1.99	0.14	47.2	10.6	128	2.47	41.5
YY09110		0.50	<0.001	0.04	5.91	4.5	980	1.61	0.22	1.82	0.15	72.6	11.6	199	2.56	10.1
YY09111		0.48	<0.001	0.04	5.74	5.2	1040	1.53	0.30	1.77	0.16	77.6	18.3	367	3.32	17.6
YY09112		0.39	<0.001	0.02	5.57	3.4	1010	1.55	0.28	1.62	0.19	55.2	20.0	448	3.98	11.2
YY09113		0.48	<0.001	0.11	6.54	4.5	820	1.72	0.27	1.19	0.31	50.4	12.3	228	3.26	16.8
YY09114		0.44	<0.001	0.07	5.31	0.7	1040	1.48	0.08	2.05	0.16	66.6	16.0	469	1.93	11.3
YY09115		0.46	<0.001	0.05	5.81	5.0	850	1.68	0.25	1.77	0.16	57.6	14.3	274	2.10	9.7
YY09116		0.45	<0.001	0.17	7.16	1.2	1380	2.31	0.27	2.12	0.39	81.1	17.1	188	6.98	33.1
YY09117		0.55	<0.001	0.17	6.48	2.5	1530	2.48	0.25	2.03	0.17	107.0	19.5	238	5.21	28.2
YY09118		0.45	<0.001	0.20	7.08	3.8	1410	2.68	0.40	1.80	0.18	76.0	19.5	219	7.64	35.5
YY09119		0.47	<0.001	0.10	5.92	2.3	880	1.34	0.24	1.70	0.13	56.7	8.3	176	2.61	9.7
YY09120		0.45	<0.001	0.17	6.49	2.6	1340	2.05	0.27	1.96	0.23	77.4	16.7	234	5.26	31.3
YY09121		0.40	<0.001	0.24	6.82	4.6	1480	2.50	0.34	1.94	0.23	101.0	18.7	245	6.63	40.5
YY09122		0.40	<0.001	0.23	6.79	4.1	1470	2.58	0.32	1.90	0.33	78.9	19.4	166	6.96	42.3
YY09123		0.41	<0.001	0.32	7.56	5.3	1330	2.60	0.43	1.85	0.83	74.8	21.6	142	6.99	55.0
YY09124		0.41	<0.001	0.15	6.41	2.2	1570	2.53	0.24	2.17	0.29	141.5	16.3	259	5.17	26.4
YY09125		0.47	<0.001	0.10	5.28	3.2	1180	1.67	0.21	1.82	0.22	78.2	12.2	168	2.06	15.3
YY09126		0.55	<0.001	0.10	5.68	3.0	1010	1.92	0.24	1.72	0.21	62.0	11.7	204	2.65	13.3
YY09127		0.43	<0.001	0.14	5.77	3.4	1200	2.12	0.29	1.77	0.29	74.6	19.2	364	3.11	22.2
YY09128		0.47	0.001	0.09	6.51	1.8	1350	2.18	0.20	2.30	0.33	139.0	15.3	229	4.23	16.7
YY09129		0.42	<0.001	0.16	6.67	5.2	1420	2.27	0.25	1.96	0.29	91.5	17.0	218	5.92	24.1
YY09130		0.44	<0.001	0.14	6.72	2.2	1450	2.17	0.24	2.02	0.27	87.7	17.3	275	5.47	20.8
YY09131		0.36	<0.001	0.23	6.81	8.9	1130	2.14	0.38	1.74	0.71	71.2	36.6	629	5.83	38.6
YY09132		0.38	<0.001	0.24	6.93	2.6	1240	2.09	0.30	1.82	0.41	66.0	17.9	244	5.49	38.4
YY09133		0.39	<0.001	0.18	6.59	3.0	1560	2.18	0.25	2.18	0.26	81.4	17.2	242	5.21	26.1
YY09134		0.41	<0.001	0.12	6.35	3.8	1380	2.00	0.23	1.92	0.20	84.8	17.8	349	4.42	25.2
YY09135		0.49	<0.001	0.15	6.86	13.8	950	1.87	0.24	1.87	0.12	75.0	20.6	306	3.43	30.7
YY09136		0.38	0.011	0.08	6.59	9.6	860	1.77	0.21	2.02	0.15	82.0	26.7	401	2.64	19.2
YY09137		0.42	<0.001	0.09	6.61	10.4	840	1.62	0.20	1.98	0.15	83.5	18.7	372	2.44	18.6
YY09138		0.40	0.003	0.04	5.92	2.2	660	1.14	0.21	1.52	0.16	49.8	17.8	462	2.57	9.8
YY09139		0.48	<0.001	0.15	6.30	1.2	730	1.15	0.17	1.77	0.06	48.1	6.7	160	1.72	15.9
YY09140		0.32	<0.001	0.08	5.99	3.9	860	1.33	0.33	1.52	0.15	58.3	11.9	305	3.50	10.1
YY09141		0.29	<0.001	0.04	5.89	3.3	800	1.36	0.35	1.57	0.19	59.8	16.9	475	3.16	8.9
YY09142		0.39	<0.001	0.04	5.26	3.9	740	1.54	0.17	1.82	0.16	66.4	27.4	585	1.80	26.0



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY09103		3.55	14.15	0.11	1.6	0.054	1.72	31.1	22.0	1.48	636	0.54	1.40	15.2	78.2	570
YY09104		4.11	16.85	0.12	1.9	0.062	1.94	31.4	30.1	1.60	724	0.93	1.35	17.1	95.6	630
YY09105		3.59	15.75	0.10	1.6	0.054	1.82	28.5	24.8	1.50	622	0.79	1.26	15.6	86.1	590
YY09106		3.50	14.45	0.11	1.5	0.054	1.67	29.9	19.7	1.84	629	0.48	1.46	14.3	111.5	480
YY09107		4.67	20.1	0.10	1.8	0.063	2.03	32.1	23.4	1.41	626	1.14	1.17	21.8	67.6	910
YY09108		2.88	14.00	0.10	1.8	0.047	1.56	29.5	17.7	1.34	563	0.67	1.56	13.4	89.7	580
YY09109		2.45	17.95	0.12	3.0	0.031	1.88	36.3	23.3	1.60	426	1.58	2.28	6.9	176.0	1100
YY09110		2.97	14.10	0.11	1.6	0.049	1.57	35.5	19.9	1.51	552	0.52	1.44	14.3	92.3	400
YY09111		3.60	14.80	0.11	1.7	0.052	1.80	34.0	20.5	1.97	817	0.79	1.33	14.9	150.0	630
YY09112		3.43	15.45	0.10	2.1	0.041	1.91	27.3	16.3	2.58	838	1.05	1.23	17.1	181.0	240
YY09113		3.66	15.15	0.10	1.6	0.051	1.51	25.5	26.5	1.51	542	2.14	1.03	14.3	102.5	650
YY09114		2.49	11.70	0.13	1.2	0.040	1.53	33.6	17.7	2.71	614	0.64	1.26	11.0	180.5	560
YY09115		3.23	13.10	0.14	1.3	0.045	1.72	28.2	18.5	1.75	587	0.75	1.37	13.3	126.5	510
YY09116		4.00	17.80	0.14	1.3	0.064	1.92	40.8	38.4	2.13	757	1.12	1.19	17.5	112.5	710
YY09117		4.09	15.60	0.20	1.2	0.058	1.98	55.3	34.4	1.75	957	1.36	1.23	18.8	97.4	840
YY09118		4.50	18.30	0.15	1.3	0.069	1.92	39.6	44.7	1.96	873	4.18	1.11	20.9	119.5	890
YY09119		2.50	15.45	0.13	2.0	0.039	1.87	28.2	18.4	1.16	463	1.11	1.54	14.0	65.2	430
YY09120		3.87	15.55	0.15	1.7	0.054	1.97	41.4	33.3	1.70	877	2.11	1.28	15.8	106.0	770
YY09121		4.22	16.90	0.17	1.3	0.066	1.99	55.3	38.8	1.90	821	3.28	1.18	17.2	113.0	900
YY09122		4.89	16.80	0.16	1.4	0.066	1.99	42.3	40.2	1.79	1160	2.68	1.17	17.2	96.4	880
YY09123		4.56	19.25	0.15	2.1	0.061	1.98	42.2	41.2	1.58	1750	3.92	1.57	15.0	110.5	930
YY09124		3.86	15.55	0.20	1.3	0.060	2.07	71.9	33.8	1.74	1110	1.72	1.26	18.9	90.5	890
YY09125		2.66	11.55	0.15	1.5	0.044	1.95	37.8	13.9	1.42	683	0.61	1.29	12.2	107.0	700
YY09126		3.04	13.05	0.13	1.4	0.050	1.92	30.3	19.3	1.45	695	1.14	1.25	14.0	89.3	670
YY09127		3.48	13.55	0.14	1.8	0.055	2.03	32.5	24.8	2.00	903	1.43	1.16	15.7	194.5	690
YY09128		3.15	15.35	0.20	1.4	0.056	2.00	69.2	31.6	1.86	852	0.57	1.38	17.9	99.6	880
YY09129		4.13	16.30	0.16	1.4	0.062	2.00	46.4	40.8	1.98	736	1.46	1.24	16.6	107.5	850
YY09130		3.47	16.05	0.15	1.4	0.054	1.99	43.9	34.9	2.07	750	0.71	1.28	16.8	134.5	800
YY09131		5.70	16.45	0.15	1.3	0.071	1.61	34.1	38.2	4.08	1300	3.21	1.11	15.3	371	890
YY09132		3.81	16.80	0.12	1.9	0.053	1.90	35.9	33.6	2.01	794	2.70	1.51	13.2	185.0	900
YY09133		3.98	15.45	0.15	1.4	0.059	2.11	42.3	33.8	1.80	980	1.88	1.28	16.8	94.1	870
YY09134		3.93	14.75	0.16	1.7	0.053	1.98	43.1	29.5	1.92	997	1.29	1.32	15.2	139.5	740
YY09135		4.68	15.90	0.15	1.2	0.051	1.80	40.5	25.8	2.23	839	1.15	1.56	13.0	189.5	760
YY09136		3.97	14.60	0.16	1.1	0.053	1.84	39.9	22.8	2.38	987	1.16	1.57	13.6	196.5	700
YY09137		3.80	15.25	0.14	1.0	0.055	1.85	42.9	22.0	2.08	758	0.80	1.60	14.0	173.0	740
YY09138		4.07	15.20	0.12	1.7	0.037	1.34	25.2	18.2	2.67	565	0.86	1.43	15.2	222	740
YY09139		1.90	14.35	0.13	2.3	0.028	1.76	24.0	17.1	1.12	398	0.78	1.82	9.3	57.2	1070
YY09140		3.88	16.95	0.13	2.3	0.050	1.76	28.6	18.1	1.39	557	1.01	1.28	18.5	89.7	420
YY09141		3.87	16.10	0.13	1.9	0.047	1.81	29.2	19.8	1.95	587	0.88	1.32	17.3	175.0	450
YY09142		3.79	10.95	0.12	1.3	0.041	1.37	29.7	13.6	3.51	708	0.53	1.24	10.3	354	560



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09103		15.0	67.9	<0.002	0.01	0.39	14.0	1	2.3	186.5	1.07	0.05	9.48	0.379	0.40	2.2
YY09104		15.5	78.4	<0.002	0.01	0.38	14.0	1	3.0	187.0	1.14	0.06	11.40	0.403	0.47	2.4
YY09105		15.3	80.4	<0.002	0.02	0.35	12.8	1	2.7	155.0	1.07	<0.05	10.45	0.364	0.50	2.2
YY09106		13.2	66.0	<0.002	0.01	0.44	14.4	1	2.3	184.5	1.00	0.05	9.84	0.388	0.47	2.2
YY09107		17.8	86.3	<0.002	0.01	0.35	13.7	<1	3.4	154.5	1.40	<0.05	10.50	0.461	0.52	2.4
YY09108		13.2	62.6	<0.002	0.01	0.43	12.3	1	2.0	219	0.95	<0.05	8.97	0.345	0.39	2.3
YY09109		9.7	53.4	<0.002	0.04	0.41	9.2	1	1.1	484	0.51	<0.05	10.20	0.232	0.34	6.7
YY09110		15.1	70.2	<0.002	0.01	0.31	12.8	1	2.3	187.5	1.04	<0.05	10.85	0.368	0.42	2.2
YY09111		14.1	79.0	<0.002	0.02	0.33	12.7	1	2.5	175.0	1.04	<0.05	11.85	0.363	0.42	2.6
YY09112		12.2	105.5	<0.002	0.01	0.34	12.9	1	2.8	161.0	1.18	0.05	6.63	0.438	0.47	1.9
YY09113		17.0	63.8	<0.002	0.03	0.54	11.6	1	2.0	147.0	0.92	0.07	8.51	0.383	0.42	1.8
YY09114		12.0	59.1	0.002	0.04	0.32	13.1	1	1.9	165.5	0.78	<0.05	9.60	0.331	0.36	2.3
YY09115		14.8	67.3	<0.002	0.01	0.39	11.7	1	2.1	181.0	0.91	0.07	9.85	0.338	0.37	2.0
YY09116		23.1	80.9	<0.002	0.05	0.23	18.7	1	3.2	164.0	1.13	<0.05	14.60	0.467	0.58	4.4
YY09117		21.9	85.3	0.002	0.03	0.19	15.7	1	3.1	164.5	2.63	0.05	19.85	0.409	0.55	5.7
YY09118		27.5	94.7	<0.002	0.03	0.26	17.2	2	3.6	153.5	1.52	0.06	15.30	0.417	0.65	5.7
YY09119		14.2	73.8	<0.002	0.01	0.36	10.0	1	2.3	244	0.99	0.05	7.52	0.363	0.40	2.0
YY09120		21.1	88.5	<0.002	0.02	0.27	14.4	1	2.9	181.0	1.06	0.05	13.95	0.403	0.56	5.1
YY09121		26.8	94.7	<0.002	0.03	0.28	17.0	2	3.3	158.5	1.11	0.05	17.15	0.419	0.65	8.5
YY09122		25.7	96.5	0.002	0.04	0.26	16.2	2	3.3	160.0	1.14	0.05	14.70	0.413	0.65	5.9
YY09123		25.4	90.7	<0.002	0.03	0.40	14.2	2	2.9	281	1.00	0.06	13.80	0.355	0.62	7.8
YY09124		21.3	88.1	<0.002	0.02	0.20	15.9	1	3.3	170.0	1.49	<0.05	23.5	0.458	0.54	5.2
YY09125		15.3	67.8	<0.002	0.01	0.35	10.7	1	2.3	175.5	0.88	<0.05	13.40	0.300	0.40	2.4
YY09126		14.7	73.1	<0.002	0.02	0.29	11.5	1	2.4	163.0	0.95	<0.05	11.40	0.327	0.40	2.6
YY09127		15.9	73.9	<0.002	0.01	0.31	12.2	1	2.7	156.5	1.00	0.05	11.85	0.323	0.45	3.2
YY09128		20.2	80.1	<0.002	0.01	0.17	16.7	1	3.1	174.5	1.23	<0.05	26.6	0.448	0.50	4.4
YY09129		21.5	89.6	<0.002	0.02	0.21	16.0	1	3.2	164.0	1.06	<0.05	17.55	0.416	0.55	3.5
YY09130		21.7	83.7	0.002	0.02	0.20	16.1	1	3.1	169.0	1.07	<0.05	17.55	0.440	0.53	3.5
YY09131		19.3	83.6	<0.002	0.02	0.29	18.2	1	2.9	141.5	0.99	0.07	13.40	0.389	0.56	4.8
YY09132		19.2	81.7	<0.002	0.05	0.33	13.1	2	2.6	261	0.92	0.05	12.50	0.352	0.52	5.5
YY09133		21.7	89.2	<0.002	0.02	0.20	15.9	1	3.1	170.5	1.07	<0.05	13.90	0.427	0.58	4.7
YY09134		20.3	86.8	<0.002	0.02	0.21	14.3	1	2.7	177.0	1.01	<0.05	15.50	0.391	0.55	3.7
YY09135		17.5	81.1	<0.002	0.02	0.36	14.4	1	2.0	226	0.88	<0.05	13.10	0.363	0.48	4.4
YY09136		17.0	82.5	<0.002	0.01	0.31	13.9	1	2.0	223	0.97	0.05	13.45	0.387	0.45	3.4
YY09137		17.3	84.6	<0.002	0.02	0.32	13.8	1	2.0	227	0.95	<0.05	14.90	0.375	0.44	3.5
YY09138		12.3	61.1	<0.002	0.02	0.39	11.7	1	2.0	183.0	0.98	0.06	7.53	0.387	0.36	1.9
YY09139		10.5	56.5	<0.002	0.05	0.35	8.0	1	1.5	345	0.69	<0.05	7.42	0.293	0.28	2.3
YY09140		17.1	90.3	<0.002	0.01	0.58	11.5	1	2.6	178.5	1.25	0.06	8.07	0.440	0.43	2.0
YY09141		13.9	81.9	<0.002	0.01	0.46	11.2	1	2.7	193.5	1.28	<0.05	9.55	0.416	0.39	2.1
YY09142		11.5	51.9	<0.002	0.01	0.41	13.0	<1	1.7	157.5	0.75	0.05	8.79	0.322	0.34	2.0



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
YY09103		90	1.7	18.7	73	61.2
YY09104		102	1.9	18.0	93	67.9
YY09105		96	1.7	16.7	80	66.7
YY09106		96	1.5	17.6	65	49.9
YY09107		126	14.9	18.0	71	69.1
YY09108		77	1.2	18.1	61	65.8
YY09109		52	1.0	20.2	72	112.5
YY09110		83	1.3	17.8	53	52.8
YY09111		91	1.3	18.9	74	60.2
YY09112		100	1.7	15.2	63	67.3
YY09113		95	1.3	13.1	86	58.8
YY09114		76	0.9	19.1	69	46.4
YY09115		78	1.1	18.3	51	52.5
YY09116		123	2.0	24.8	137	43.3
YY09117		98	2.3	29.0	115	42.6
YY09118		115	2.3	23.3	136	49.2
YY09119		76	1.5	16.4	47	71.9
YY09120		97	1.9	23.5	102	56.5
YY09121		114	2.1	30.5	132	45.8
YY09122		109	2.1	24.6	131	45.1
YY09123		103	2.2	23.4	143	78.0
YY09124		102	1.9	33.1	112	46.8
YY09125		66	1.3	22.1	52	54.2
YY09126		73	1.5	19.5	59	50.2
YY09127		76	1.4	21.7	77	86.4
YY09128		102	3.8	31.4	103	55.0
YY09129		106	1.9	24.0	137	43.5
YY09130		102	1.9	24.4	123	50.6
YY09131		123	2.0	21.5	149	50.4
YY09132		90	2.0	20.3	121	71.2
YY09133		106	2.4	26.9	108	47.0
YY09134		93	7.4	24.9	95	44.8
YY09135		93	1.3	21.5	89	43.5
YY09136		89	19.6	22.8	83	35.5
YY09137		85	1.1	23.1	77	37.8
YY09138		92	7.4	13.2	75	65.0
YY09139		55	0.8	13.6	64	91.3
YY09140		101	1.5	16.5	66	60.6
YY09141		91	1.5	18.9	64	79.4
YY09142		88	1.1	17.6	59	37.5





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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09143		0.35	<0.001	0.04	5.84	3.8	890	1.63	0.19	2.00	0.16	69.5	20.0	451	1.98	15.2
YY09144		0.35	<0.001	0.05	5.95	2.8	920	1.62	0.26	1.74	0.19	57.8	10.2	212	2.86	11.0
YY09145		0.52	0.004	0.15	7.18	4.8	1160	3.00	0.40	1.80	0.28	95.8	27.6	416	5.03	32.0
YY09146		0.34	<0.001	0.08	5.88	2.9	1130	1.81	0.19	1.84	0.21	71.1	17.8	300	3.04	24.2
YY09147		0.30	<0.001	0.10	5.95	3.0	1010	1.57	0.54	1.56	0.13	63.9	12.5	222	2.59	13.2
YY09148		0.38	<0.001	0.03	5.53	3.9	1300	1.40	0.28	1.55	0.10	57.0	11.0	199	3.07	9.8
YY09149		0.27	<0.001	0.04	5.92	4.3	1030	1.55	0.23	1.74	0.10	61.6	12.9	201	2.40	12.4
YY09150		0.32	<0.001	0.04	5.67	4.9	920	1.36	0.26	1.66	0.12	65.6	9.5	161	2.22	9.4
YY09151		0.38	<0.001	0.19	6.47	3.6	1000	1.46	0.23	2.40	0.16	57.5	25.6	239	3.03	199.0
YY09152		0.66	<0.001	0.05	6.54	4.5	770	1.27	0.24	2.88	0.15	53.8	34.3	406	2.45	58.5
YY09153		0.87	<0.001	0.16	6.56	3.4	780	1.41	0.20	3.08	0.17	57.5	27.1	415	3.31	144.0
YY09154		0.55	<0.001	0.11	7.18	3.3	710	1.43	0.21	3.86	0.13	51.9	30.3	240	3.20	219
YY09155		0.80	<0.001	0.13	6.47	2.4	660	1.08	0.15	3.65	0.31	43.3	46.2	359	2.14	108.5
YY09156		0.55	<0.001	0.17	6.27	3.2	760	1.06	0.18	3.27	0.18	44.4	55.4	513	3.20	111.0
YY09157		0.72	<0.001	0.11	3.76	4.2	460	0.78	0.09	1.93	0.20	34.1	93.4	1450	1.69	53.3
YY09158		0.54	<0.001	0.06	4.03	5.1	520	0.71	0.11	2.04	0.13	27.9	61.8	1030	1.66	39.4
YY09159		0.59	<0.001	0.05	6.12	3.9	1050	1.64	0.21	2.32	0.15	64.8	29.3	344	2.96	33.8
YY09160		0.62	<0.001	0.05	6.37	2.4	900	1.65	0.19	2.41	0.15	61.6	26.7	375	2.79	26.9
YY09161		0.67	<0.001	0.07	6.28	3.6	1110	1.53	0.20	2.34	0.16	66.5	18.7	217	2.89	29.7
YY09162		0.62	<0.001	0.07	5.99	4.2	1020	1.54	0.21	2.08	0.12	67.2	15.8	186	2.72	28.1
YY09163		0.59	<0.001	0.06	5.81	4.0	1020	1.52	0.28	2.06	0.15	71.1	16.3	226	2.41	22.2
YY09164		0.54	<0.001	0.03	6.06	3.5	930	1.61	0.19	2.01	0.11	71.3	15.4	180	2.21	17.3
YY09165		0.49	<0.001	0.03	5.91	1.8	950	1.36	0.19	1.59	0.11	54.4	9.7	187	3.26	13.1
YY09166		0.56	<0.001	0.12	6.98	5.9	840	2.10	0.28	1.40	0.32	70.9	14.7	208	4.27	22.8
YY09167		0.52	<0.001	0.16	6.53	4.0	870	1.62	0.20	1.76	0.19	56.0	14.1	187	2.35	13.7
YY09168		0.62	<0.001	0.06	5.77	2.9	1000	1.42	0.20	1.85	0.12	78.0	11.0	197	2.43	10.1
YY09169		0.55	<0.001	0.19	6.24	5.1	930	1.71	0.29	1.66	0.17	67.3	13.1	280	2.88	10.8
YY09170		0.59	<0.001	0.05	6.06	5.6	870	1.54	0.26	1.67	0.12	61.2	13.1	259	3.36	11.2
YY09171		0.63	<0.001	0.07	5.66	3.3	950	1.43	0.25	1.71	0.18	52.8	12.9	305	2.61	9.2
YY09172		0.56	<0.001	0.08	5.62	4.0	950	1.71	0.22	1.79	0.17	80.7	15.1	346	2.54	12.6
YY09173		0.77	<0.001	0.12	6.04	3.5	1010	1.36	0.28	1.70	0.09	62.4	8.8	172	2.57	8.6
YY09174		0.51	<0.001	0.13	6.24	13.5	990	1.57	0.21	2.56	0.27	57.6	32.1	282	3.39	33.9
YY09175		0.49	<0.001	0.07	5.49	12.6	760	1.82	0.26	2.11	0.18	93.3	63.8	295	2.46	14.5
YY09176		0.45	<0.001	0.12	5.28	9.0	820	1.33	0.16	1.57	0.24	54.9	27.3	569	3.28	23.3
YY09177		0.60	<0.001	0.07	5.02	7.6	750	1.23	0.11	1.51	0.17	47.1	37.8	565	2.66	13.8
YY09178		0.64	<0.001	0.04	5.48	3.8	900	1.37	0.17	1.78	0.11	56.9	17.0	257	2.03	9.5
YY09179		0.55	0.002	0.05	6.04	3.2	960	1.66	0.24	1.86	0.14	64.4	14.1	225	2.30	13.5
YY09180		0.48	<0.001	0.04	5.91	4.2	820	1.38	0.19	1.95	0.14	61.3	18.1	311	2.11	17.8
YY09181		0.59	<0.001	0.21	6.10	3.6	850	1.46	0.31	1.50	0.15	60.6	13.5	356	3.76	9.2
YY09182		0.53	0.012	0.04	6.42	4.4	800	1.59	0.59	1.67	0.19	60.0	13.2	269	3.10	12.5





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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY09143		3.77	12.40	0.13	1.5	0.046	1.68	34.6	15.5	2.60	716	0.64	1.39	12.4	227	610
YY09144		3.36	14.70	0.12	1.4	0.055	1.93	28.1	22.4	1.32	615	0.76	1.33	15.5	72.6	540
YY09145		4.72	19.05	0.16	2.4	0.077	2.82	47.5	34.8	2.85	784	1.82	1.08	23.7	289	770
YY09146		2.93	14.15	0.14	2.2	0.055	2.06	35.2	27.6	2.24	577	0.68	1.26	17.7	230	650
YY09147		3.12	13.60	0.13	1.6	0.049	1.81	32.3	17.1	1.48	601	0.80	1.22	15.9	113.5	330
YY09148		3.70	13.40	0.13	1.6	0.056	1.85	28.4	14.9	1.21	704	0.93	1.18	15.5	68.7	420
YY09149		3.42	12.80	0.14	1.4	0.049	1.84	30.3	20.9	1.56	584	0.76	1.34	13.9	96.1	250
YY09150		2.99	13.05	0.12	1.6	0.044	1.84	31.8	14.8	1.16	573	0.69	1.33	13.8	65.6	860
YY09151		4.47	14.35	0.13	1.3	0.056	1.68	30.2	23.8	2.41	829	1.01	1.23	13.1	164.0	710
YY09152		4.94	14.20	0.14	1.2	0.054	1.48	27.5	20.0	3.52	751	0.66	1.47	11.9	315	660
YY09153		4.69	14.30	0.12	1.2	0.057	1.56	29.0	22.9	3.03	765	0.68	1.51	12.8	218	600
YY09154		5.15	15.80	0.13	1.3	0.065	1.51	27.1	22.4	2.94	803	0.96	1.61	13.4	132.5	630
YY09155		6.07	14.15	0.11	1.0	0.062	1.08	22.4	22.2	3.64	978	0.73	1.64	11.7	233	560
YY09156		5.74	13.90	0.11	1.1	0.056	1.24	26.5	24.5	5.00	1070	0.99	1.33	11.0	415	580
YY09157		5.75	8.00	0.09	0.7	0.029	0.65	16.2	11.6	10.95	863	0.41	0.89	6.0	1340	380
YY09158		5.46	8.58	0.08	0.9	0.032	0.82	13.8	12.5	10.10	873	0.48	0.95	6.5	1165	460
YY09159		4.34	14.20	0.11	1.4	0.055	1.94	32.2	26.1	3.22	831	0.59	1.41	15.2	284	320
YY09160		4.06	14.50	0.12	1.3	0.058	1.79	31.3	23.1	3.21	661	0.35	1.54	15.5	281	340
YY09161		3.71	14.00	0.14	1.2	0.053	1.87	32.8	21.5	2.08	740	0.52	1.53	15.4	152.5	790
YY09162		3.36	13.35	0.13	1.4	0.049	1.87	33.1	23.1	1.80	677	0.61	1.46	15.4	119.5	780
YY09163		3.30	12.45	0.13	1.3	0.049	1.83	31.2	18.4	1.94	735	0.49	1.42	12.8	186.5	680
YY09164		3.37	13.00	0.15	1.2	0.043	1.69	35.2	18.5	1.90	617	0.68	1.47	12.6	118.0	650
YY09165		3.16	15.20	0.14	1.6	0.048	1.65	26.9	27.1	1.58	599	1.12	1.24	15.7	60.5	130
YY09166		4.15	15.80	0.15	1.7	0.057	1.56	35.7	34.4	1.66	574	3.91	1.15	16.2	122.5	450
YY09167		3.37	13.70	0.13	1.2	0.044	1.63	28.2	21.0	1.80	534	1.20	1.47	13.2	110.5	220
YY09168		2.81	12.90	0.14	1.6	0.042	1.79	37.7	17.5	1.47	591	3.16	1.44	14.4	83.2	420
YY09169		4.35	15.90	0.13	1.6	0.056	1.83	32.3	24.5	1.55	688	1.06	1.21	18.3	97.3	550
YY09170		4.13	15.65	0.13	1.6	0.053	1.71	30.2	22.8	1.64	621	0.98	1.30	16.8	104.0	680
YY09171		3.67	14.15	0.11	1.4	0.048	1.92	26.1	21.2	1.60	626	0.92	1.29	16.6	117.0	420
YY09172		3.30	13.00	0.15	1.6	0.051	1.84	37.8	20.8	2.01	659	0.59	1.29	14.9	219	410
YY09173		2.39	15.50	0.13	1.9	0.040	2.00	30.8	18.4	1.18	518	0.79	1.46	15.8	69.3	460
YY09174		3.79	14.50	0.14	1.4	0.058	1.64	29.8	22.8	2.99	633	0.97	1.28	14.1	303	610
YY09175		7.92	13.50	0.16	1.2	0.067	1.52	44.2	30.5	3.00	799	1.42	0.94	18.2	326	1970
YY09176		3.33	12.50	0.12	1.4	0.044	1.47	29.4	19.4	4.39	456	1.75	1.12	12.1	438	650
YY09177		4.02	11.25	0.11	1.3	0.039	1.38	24.2	15.0	4.75	463	1.48	1.05	11.1	494	600
YY09178		3.26	11.80	0.11	1.3	0.040	1.62	28.5	17.1	2.27	478	0.55	1.33	10.9	195.0	570
YY09179		3.24	13.20	0.12	1.7	0.053	2.02	31.2	20.3	1.62	644	0.76	1.27	14.6	103.5	490
YY09180		3.54	12.85	0.13	1.4	0.044	1.59	29.4	16.9	2.38	708	0.91	1.42	12.3	186.0	530
YY09181		3.73	16.45	0.12	1.7	0.047	1.90	30.0	22.1	1.80	596	0.94	1.23	18.1	139.5	350
YY09182		3.46	14.75	0.13	1.4	0.056	1.79	29.7	21.5	1.48	671	0.98	1.34	15.9	98.2	560



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09143		14.0	63.6	<0.002	0.01	0.35	13.6	1	2.0	183.5	0.89	<0.05	14.40	0.354	0.34	2.1
YY09144		15.2	77.2	<0.002	0.02	0.31	11.6	1	2.4	172.5	1.12	<0.05	8.80	0.364	0.40	2.0
YY09145		16.7	119.5	<0.002	0.01	0.38	15.9	1	4.3	133.0	1.46	0.06	20.5	0.433	0.60	3.3
YY09146		15.1	78.8	0.002	0.03	0.36	12.9	2	2.7	169.0	1.15	<0.05	10.25	0.371	0.46	2.9
YY09147		14.3	64.9	<0.002	0.01	0.37	10.9	1	2.6	166.5	1.01	0.05	10.25	0.352	0.43	2.1
YY09148		14.8	67.4	<0.002	0.01	0.37	10.9	1	2.5	167.5	1.09	0.07	8.38	0.347	0.47	2.1
YY09149		15.3	63.9	<0.002	0.01	0.42	12.8	1	2.3	176.0	0.95	0.05	9.24	0.351	0.40	2.0
YY09150		15.2	70.3	<0.002	0.01	0.42	10.7	1	2.3	180.5	0.95	<0.05	10.60	0.340	0.41	2.2
YY09151		13.5	81.5	0.003	0.03	0.51	18.0	2	1.9	149.0	0.86	0.05	8.21	0.465	0.42	2.0
YY09152		11.2	65.1	<0.002	0.01	0.82	20.1	1	1.7	166.0	0.79	0.05	7.48	0.471	0.37	1.7
YY09153		10.9	76.0	<0.002	0.02	0.80	21.7	1	1.9	180.0	0.84	<0.05	7.59	0.488	0.40	1.9
YY09154		11.4	74.4	<0.002	0.01	0.71	27.8	1	2.1	170.0	0.84	<0.05	7.31	0.573	0.38	2.0
YY09155		8.9	50.0	0.002	0.03	0.43	27.7	1	1.6	167.0	0.76	<0.05	5.13	0.581	0.26	1.6
YY09156		9.0	66.1	<0.002	0.03	0.61	26.2	1	1.8	136.0	0.72	<0.05	6.33	0.479	0.34	2.0
YY09157		5.6	31.2	<0.002	0.03	0.49	16.1	1	0.9	106.0	0.40	<0.05	4.13	0.257	0.18	1.2
YY09158		6.5	34.3	<0.002	0.03	0.54	15.5	1	1.0	117.5	0.42	<0.05	3.77	0.272	0.18	1.0
YY09159		12.9	75.6	<0.002	0.01	0.35	16.6	1	2.5	168.0	0.93	<0.05	8.90	0.434	0.43	1.9
YY09160		12.3	74.2	<0.002	<0.01	0.38	17.6	<1	2.3	182.5	0.98	<0.05	7.93	0.445	0.39	2.5
YY09161		13.4	72.5	<0.002	0.01	0.40	15.8	1	2.2	193.0	1.03	<0.05	8.71	0.437	0.47	2.2
YY09162		13.6	77.6	<0.002	0.01	0.38	14.1	1	2.3	183.5	1.01	<0.05	9.24	0.394	0.45	2.4
YY09163		15.7	71.0	<0.002	0.01	0.36	13.2	1	2.2	183.0	0.92	<0.05	9.09	0.370	0.41	2.1
YY09164		13.3	60.0	<0.002	0.01	0.42	14.1	1	2.0	183.5	0.88	<0.05	11.55	0.372	0.37	2.2
YY09165		16.3	81.6	<0.002	0.01	0.27	13.8	1	2.3	176.5	1.01	<0.05	6.61	0.436	0.43	1.8
YY09166		17.3	74.3	<0.002	0.03	0.56	13.2	1	2.3	149.5	1.04	<0.05	13.30	0.404	0.50	2.8
YY09167		14.2	63.3	<0.002	0.01	0.43	13.3	1	2.0	180.0	0.89	<0.05	8.44	0.369	0.39	1.9
YY09168		14.7	71.2	<0.002	0.01	0.36	12.0	1	2.3	183.0	0.99	<0.05	8.56	0.366	0.41	2.2
YY09169		15.3	73.8	<0.002	0.01	0.39	12.7	1	2.7	158.5	1.13	<0.05	9.93	0.414	0.39	2.2
YY09170		14.5	73.8	<0.002	0.01	0.45	12.3	1	2.5	177.5	1.04	0.05	9.00	0.400	0.40	2.1
YY09171		14.2	69.3	<0.002	0.01	0.34	11.4	1	2.5	165.0	1.29	<0.05	7.14	0.368	0.37	1.9
YY09172		14.3	61.0	<0.002	0.01	0.32	12.0	1	2.4	169.0	0.94	<0.05	11.85	0.347	0.35	2.6
YY09173		15.0	76.8	<0.002	0.01	0.35	10.6	1	2.5	217	1.02	<0.05	7.89	0.380	0.46	2.1
YY09174		12.2	73.5	0.004	0.16	0.55	19.0	3	2.3	156.0	0.87	<0.05	8.61	0.428	0.42	3.4
YY09175		12.3	63.2	0.002	0.03	0.37	15.6	1	2.5	156.0	1.07	<0.05	18.10	0.444	0.35	3.3
YY09176		12.6	67.1	0.003	0.05	0.61	13.7	2	2.0	153.5	0.82	<0.05	9.47	0.330	0.43	3.2
YY09177		10.0	59.8	<0.002	0.04	0.46	13.3	2	1.8	146.0	0.76	<0.05	6.57	0.306	0.34	2.1
YY09178		12.4	60.4	<0.002	0.01	0.29	12.3	1	1.9	169.0	0.79	<0.05	7.49	0.308	0.36	1.6
YY09179		14.6	63.9	<0.002	0.01	0.33	12.9	1	2.5	161.5	0.93	<0.05	9.83	0.348	0.35	2.1
YY09180		13.0	60.2	<0.002	0.01	0.40	13.9	1	2.0	182.0	0.88	<0.05	8.60	0.366	0.36	2.1
YY09181		14.9	95.4	<0.002	0.01	0.43	11.7	1	2.9	166.0	1.20	<0.05	8.62	0.402	0.47	2.1
YY09182		15.8	75.5	<0.002	0.01	0.38	12.1	1	2.7	177.0	1.51	<0.05	8.97	0.371	0.37	2.2



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
YY09143		89	1.4	19.8	58	48.0
YY09144		81	1.3	18.9	64	56.8
YY09145		101	2.9	27.9	113	97.7
YY09146		76	1.8	23.3	69	72.0
YY09147		76	1.5	18.4	51	60.2
YY09148		87	1.7	18.5	54	55.5
YY09149		82	1.4	18.4	55	46.7
YY09150		77	1.5	18.3	55	58.7
YY09151		134	1.1	20.0	96	40.2
YY09152		143	1.1	19.5	92	42.6
YY09153		134	1.2	24.3	89	41.7
YY09154		164	1.1	27.9	89	48.2
YY09155		173	0.8	27.2	105	33.0
YY09156		157	1.0	27.1	96	46.3
YY09157		94	0.9	12.6	82	26.4
YY09158		96	1.0	11.1	73	39.2
YY09159		111	1.4	21.0	76	48.9
YY09160		114	1.5	20.9	83	56.2
YY09161		106	1.3	21.9	80	44.5
YY09162		95	1.6	21.5	72	44.3
YY09163		86	1.2	20.1	69	42.5
YY09164		91	1.4	20.0	61	41.8
YY09165		107	3.1	14.9	68	54.4
YY09166		111	1.3	17.8	88	59.0
YY09167		89	1.3	16.9	60	54.3
YY09168		80	1.3	19.7	54	50.6
YY09169		100	1.8	20.1	77	57.9
YY09170		97	1.4	17.3	65	58.2
YY09171		85	1.4	17.7	60	51.8
YY09172		78	1.2	20.5	56	53.2
YY09173		75	1.5	17.5	44	71.6
YY09174		122	1.8	23.2	93	49.8
YY09175		115	2.5	24.7	89	41.9
YY09176		82	2.3	18.4	72	51.2
YY09177		80	1.6	15.2	72	44.7
YY09178		79	1.1	16.7	54	42.5
YY09179		79	1.3	21.2	53	61.0
YY09180		91	1.3	18.6	65	51.3
YY09181		92	1.7	16.8	68	59.1
YY09182		85	1.4	18.2	94	50.1



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09183		0.65	<0.001	0.05	5.60	4.1	770	1.36	0.21	1.97	0.14	62.8	12.9	241	1.83	10.5
YY09184		0.56	<0.001	0.06	5.86	4.1	790	1.36	0.17	2.09	0.17	60.4	15.6	201	1.62	13.7
YY09185		0.45	0.003	0.10	5.84	5.5	700	1.20	0.26	1.71	0.13	51.8	12.5	292	2.42	10.4
YY09186		0.49	<0.001	0.04	6.38	4.6	870	1.97	0.32	1.84	0.22	70.8	15.6	298	2.81	13.8
YY09187		0.66	0.005	0.04	5.85	4.3	760	1.51	0.36	1.63	0.12	53.9	13.1	300	3.10	10.6
YY09188		0.58	<0.001	0.03	5.97	4.7	770	1.59	0.29	1.85	0.19	75.7	14.4	369	2.27	13.0
YY09189		0.81	<0.001	0.12	6.34	4.2	1100	2.49	0.51	1.73	0.25	94.0	16.8	241	4.20	25.7
YY09190		0.54	0.002	0.06	5.75	3.7	970	1.80	0.30	1.64	0.14	59.1	12.2	260	2.53	12.0
YY09191		0.50	0.004	0.06	5.83	4.1	900	1.68	0.45	1.57	0.24	67.3	11.0	218	3.41	10.9
YY09192		0.55	<0.001	0.03	5.79	3.1	840	1.50	0.26	1.60	0.13	60.9	10.7	194	2.45	10.3
YY09193		0.57	<0.001	0.03	5.57	2.5	890	1.66	0.18	1.53	0.16	60.1	18.3	386	2.82	9.7
YY09194		0.51	<0.001	0.06	5.54	5.4	880	1.41	0.34	1.69	0.15	61.0	12.2	208	1.97	10.2
YY09195		0.55	<0.001	0.03	5.72	6.5	780	1.51	0.32	1.68	0.13	63.0	12.4	293	2.11	10.5
YY09196		0.56	<0.001	0.04	5.70	8.6	890	1.45	0.17	1.72	0.18	59.6	26.8	455	2.76	10.3
YY09197		0.76	<0.001	0.03	5.78	4.1	1010	1.77	0.23	1.97	0.12	65.9	13.1	261	2.61	8.4
YY09198		0.58	<0.001	0.03	5.39	2.8	930	1.55	0.14	1.99	0.14	63.1	25.1	484	2.18	9.5
YY09199		0.69	<0.001	0.10	5.84	6.4	970	1.72	0.29	2.13	0.29	71.8	30.5	438	3.13	24.7
YY09200		0.65	<0.001	0.03	4.99	4.7	870	1.54	0.15	1.89	0.11	62.0	28.4	1160	2.72	13.7
YY09201		0.37	0.012	0.07	6.52	6.3	990	1.64	0.27	2.03	0.30	83.4	14.8	160	3.22	17.8
YY09202		0.51	<0.001	0.09	6.55	5.1	1300	1.94	0.30	1.90	0.17	77.9	15.9	153	4.32	21.6
YY09203		0.43	<0.001	0.08	5.91	4.3	840	1.40	0.28	1.63	0.26	58.1	11.4	122	2.91	13.8
YY09204		0.38	0.016	0.33	6.85	1.0	510	0.90	0.19	3.54	0.09	31.1	38.9	192	2.40	641
YY09205		0.37	<0.001	0.06	7.22	1.0	600	0.93	0.13	4.01	0.14	34.7	25.6	170	2.17	91.6
YY09206		0.34	<0.001	0.11	7.57	2.0	700	1.25	0.19	4.28	0.17	38.1	38.1	191	4.39	118.5
YY09207		0.33	<0.001	0.09	7.47	0.8	420	0.88	0.12	5.07	0.16	27.6	37.6	252	3.84	121.0
YY09208		0.32	<0.001	0.09	6.60	1.5	790	1.37	0.24	3.33	0.20	52.6	28.0	252	3.82	128.0
YY09209		0.35	<0.001	0.19	5.40	3.3	650	1.06	0.20	2.55	0.15	45.2	67.3	1010	3.79	142.5
YY09210		0.39	<0.001	0.19	5.94	3.2	840	1.15	0.19	2.85	0.17	44.9	46.6	500	3.21	71.5
YY09211		0.42	<0.001	0.07	2.60	5.8	290	0.45	0.08	1.08	0.20	18.90	80.4	1820	1.20	20.4
YY09212		0.48	<0.001	0.06	5.69	3.9	760	1.23	0.27	1.84	0.12	49.5	19.3	352	1.94	16.3
YY09213		0.42	<0.001	0.09	5.29	5.0	710	1.01	0.26	2.03	0.18	46.0	37.5	629	2.01	43.2
YY09214		0.43	<0.001	0.06	5.80	3.4	700	1.14	0.19	2.51	0.15	42.6	32.7	502	1.80	31.7
YY09215		0.44	<0.001	0.08	5.87	4.2	740	1.25	0.24	2.17	0.14	43.8	24.4	434	2.43	28.3
YY09216		0.41	<0.001	0.09	5.66	2.0	950	1.32	0.18	2.07	0.13	54.8	30.3	514	2.66	35.6
YY09217		0.38	<0.001	0.02	5.85	1.5	790	1.29	0.19	1.96	0.14	50.5	21.4	471	3.32	7.4
YY09218		0.39	<0.001	0.04	6.31	3.4	1040	1.89	0.30	1.70	0.14	60.5	18.7	233	3.93	19.3
YY09219		0.32	<0.001	0.10	6.36	3.2	740	1.58	0.25	1.38	0.15	53.3	11.9	179	4.23	14.6
YY09220		0.33	<0.001	0.10	6.12	3.8	900	1.59	0.27	1.48	0.15	60.6	12.0	146	3.15	18.5
YY09221		0.34	<0.001	0.17	6.45	4.4	860	1.71	0.25	1.63	0.25	61.1	13.1	185	3.33	21.9
YY09222		0.32	<0.001	0.11	6.47	4.3	860	1.59	0.23	1.60	0.18	60.4	12.2	189	2.98	10.9



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09183		2.95	12.30	0.15	1.3	0.042	1.51	31.2	14.3	1.68	574	0.65	1.42	12.5	127.5	710
YY09184		3.13	12.15	0.12	1.2	0.045	1.61	28.9	15.5	1.79	716	0.51	1.55	12.0	135.5	940
YY09185		3.95	15.45	0.12	1.3	0.057	1.47	26.2	19.3	1.41	524	1.12	1.38	13.7	89.1	280
YY09186		3.85	15.45	0.14	1.4	0.063	1.89	34.3	24.0	1.83	673	1.11	1.23	15.6	121.5	550
YY09187		3.69	15.70	0.13	1.6	0.053	1.88	26.6	19.5	1.59	596	1.07	1.25	15.7	117.5	430
YY09188		3.51	14.10	0.14	1.5	0.053	1.68	35.7	17.4	1.60	725	0.87	1.29	13.8	118.0	790
YY09189		3.90	18.30	0.19	2.0	0.065	2.46	48.3	25.9	1.82	888	1.35	1.15	18.6	132.5	680
YY09190		2.99	13.25	0.16	1.7	0.050	2.05	28.4	18.2	1.41	588	0.87	1.20	15.3	104.5	490
YY09191		3.29	16.05	0.15	1.7	0.057	2.06	32.5	22.9	1.29	617	0.91	1.17	17.0	79.4	630
YY09192		3.14	13.85	0.14	1.8	0.051	1.76	30.4	18.4	1.30	568	0.79	1.26	14.4	71.9	630
YY09193		3.61	15.40	0.12	1.8	0.052	2.03	30.2	26.0	3.78	526	1.43	1.14	17.2	341	590
YY09194		2.91	12.35	0.11	1.7	0.048	1.81	30.2	15.0	1.43	603	0.72	1.28	12.1	104.0	600
YY09195		3.25	13.05	0.14	1.6	0.052	1.74	31.0	15.4	1.48	564	0.99	1.23	13.4	106.5	770
YY09196		3.64	14.15	0.12	1.6	0.049	1.75	30.2	21.5	3.70	750	1.90	1.35	13.4	355	470
YY09197		3.01	14.30	0.14	1.7	0.052	2.03	33.0	23.1	1.98	588	0.99	1.42	18.8	170.5	520
YY09198		2.56	13.45	0.14	2.1	0.048	1.82	31.8	18.6	2.77	528	1.21	1.30	14.5	301	610
YY09199		3.73	14.75	0.12	1.5	0.059	1.76	33.8	21.6	3.11	606	0.84	1.29	14.1	363	540
YY09200		3.21	13.05	0.11	1.7	0.057	1.61	30.8	18.5	5.50	582	1.07	1.07	13.7	409	550
YY09201		3.91	16.45	0.15	1.8	0.058	1.69	42.3	24.7	1.55	650	0.87	1.44	16.5	75.5	900
YY09202		3.69	17.40	0.15	1.6	0.064	1.95	39.6	26.6	1.63	845	1.81	1.40	16.6	83.4	580
YY09203		3.28	15.05	0.14	1.4	0.047	1.62	28.8	20.1	1.19	551	1.14	1.45	13.1	57.0	540
YY09204		9.07	18.30	0.10	0.8	0.121	0.80	15.0	18.0	4.05	1360	1.43	1.35	12.1	81.6	660
YY09205		5.63	19.15	0.10	1.3	0.058	0.99	17.9	17.2	3.14	910	0.95	1.74	10.8	61.2	350
YY09206		5.59	19.25	0.12	1.6	0.065	1.15	19.5	29.1	2.98	992	0.80	1.57	13.0	93.6	790
YY09207		6.74	18.40	0.09	0.8	0.067	0.91	12.6	29.1	3.62	1040	0.55	1.66	9.6	90.7	470
YY09208		4.81	16.75	0.12	1.5	0.069	1.51	26.7	26.1	2.68	902	0.94	1.31	13.1	126.0	550
YY09209		6.04	13.45	0.11	1.2	0.054	1.08	25.7	22.6	7.51	940	0.51	1.00	10.2	760	430
YY09210		5.26	14.50	0.13	1.2	0.061	1.21	31.4	18.6	4.59	1020	0.47	1.35	11.7	476	640
YY09211		6.05	6.11	<0.05	0.9	0.015	0.52	9.3	7.5	14.10	841	0.59	0.68	3.8	1685	440
YY09212		3.27	13.60	0.07	1.5	0.041	1.61	25.3	14.8	2.46	622	0.70	1.38	12.1	176.0	330
YY09213		4.33	12.40	0.09	1.2	0.046	1.32	23.4	14.2	3.90	844	0.97	1.28	10.6	362	480
YY09214		4.33	13.10	0.09	1.2	0.046	1.34	21.1	16.2	3.93	768	0.50	1.40	10.8	391	490
YY09215		4.05	15.05	0.13	1.6	0.047	1.50	22.0	21.4	3.19	693	0.82	1.40	12.3	254	310
YY09216		4.12	13.75	0.12	1.4	0.048	1.74	27.4	18.8	3.71	782	0.62	1.39	12.6	367	410
YY09217		3.45	15.25	0.12	1.5	0.049	1.56	25.1	20.4	3.07	615	0.52	1.44	13.5	220	150
YY09218		3.77	16.40	0.14	1.6	0.061	2.13	29.9	26.0	2.22	625	0.87	1.27	16.6	204	380
YY09219		3.62	16.55	0.13	1.4	0.056	1.40	26.9	24.7	1.47	468	1.98	1.13	13.7	78.0	480
YY09220		2.83	15.60	0.14	1.5	0.052	1.74	31.0	20.8	1.25	477	0.91	1.30	14.8	72.7	330
YY09221		3.54	15.25	0.10	1.6	0.057	1.49	30.9	24.4	1.52	599	2.26	1.22	14.7	86.5	650
YY09222		3.79	15.30	0.10	1.4	0.060	1.60	29.8	24.6	1.53	497	0.98	1.35	15.6	82.0	330



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09183		13.7	57.7	<0.002	0.01	0.36	12.3	1	2.0	194.5	0.88	<0.05	8.59	0.351	0.36	2.1
YY09184		12.6	58.7	<0.002	0.01	0.42	13.4	1	1.9	202	0.87	<0.05	8.59	0.352	0.33	1.9
YY09185		15.2	71.8	<0.002	0.01	0.55	12.1	1	2.2	184.0	0.98	<0.05	7.82	0.369	0.36	1.9
YY09186		15.5	68.5	<0.002	0.02	0.37	13.4	1	2.9	163.0	1.10	0.07	12.30	0.368	0.42	2.5
YY09187		14.9	70.4	<0.002	0.01	0.43	11.3	1	2.8	170.0	1.27	<0.05	8.80	0.366	0.42	2.1
YY09188		15.6	63.7	<0.002	0.02	0.44	12.4	1	2.4	186.0	1.00	<0.05	11.85	0.366	0.37	2.5
YY09189		18.3	93.1	<0.002	0.02	0.40	13.8	1	3.8	152.5	1.30	0.05	13.35	0.420	0.57	5.1
YY09190		16.7	67.5	<0.002	0.01	0.32	10.6	1	2.8	157.0	1.31	<0.05	11.20	0.311	0.44	2.3
YY09191		14.8	80.8	<0.002	0.01	0.35	11.0	1	3.1	159.0	1.20	<0.05	10.45	0.361	0.43	2.5
YY09192		13.9	71.8	<0.002	0.02	0.38	11.9	1	2.4	164.0	1.08	<0.05	10.00	0.354	0.39	2.3
YY09193		12.2	73.0	<0.002	0.01	0.27	12.4	1	3.2	146.5	1.29	<0.05	8.83	0.369	0.42	2.2
YY09194		16.4	63.6	<0.002	0.01	0.47	10.5	1	2.1	174.0	0.93	0.05	9.45	0.297	0.37	2.1
YY09195		16.2	59.5	<0.002	0.01	0.43	11.1	1	2.2	168.0	1.12	0.06	10.75	0.327	0.37	2.3
YY09196		12.1	76.1	<0.002	0.02	0.35	12.6	1	2.3	182.5	0.99	<0.05	8.88	0.345	0.42	2.2
YY09197		14.1	74.1	<0.002	0.01	0.29	12.3	1	2.8	190.5	1.25	<0.05	9.60	0.361	0.43	2.8
YY09198		13.1	67.6	<0.002	0.07	0.34	12.5	1	2.5	175.0	1.10	<0.05	9.14	0.349	0.37	2.3
YY09199		13.8	76.9	0.002	0.08	0.45	15.7	1	2.5	162.5	1.00	<0.05	10.75	0.386	0.44	3.7
YY09200		11.7	63.0	0.003	0.08	0.36	14.7	1	2.4	136.0	0.95	<0.05	10.40	0.329	0.33	3.0
YY09201		16.9	74.4	<0.002	0.01	0.58	15.5	1	2.7	210	1.23	0.05	11.80	0.446	0.45	2.6
YY09202		18.2	91.1	<0.002	0.01	0.38	15.4	1	3.0	187.0	1.16	<0.05	11.50	0.415	0.60	3.3
YY09203		15.0	74.4	<0.002	0.01	0.48	12.2	1	2.1	190.0	0.96	0.05	8.31	0.343	0.43	2.1
YY09204		5.9	31.8	<0.002	0.04	0.12	33.5	2	1.5	110.0	0.77	0.29	3.68	0.750	0.21	1.0
YY09205		7.5	39.0	<0.002	0.02	0.22	28.3	1	1.2	220	0.69	<0.05	3.73	0.621	0.19	1.2
YY09206		7.6	61.9	<0.002	0.04	0.32	26.9	1	1.8	172.5	0.85	<0.05	4.89	0.575	0.33	1.5
YY09207		5.1	34.9	<0.002	0.03	0.54	36.7	1	1.4	172.5	0.65	<0.05	2.77	0.716	0.21	0.9
YY09208		11.4	64.2	<0.002	0.04	0.43	22.6	1	2.2	144.0	0.88	<0.05	7.23	0.515	0.41	2.0
YY09209		8.6	55.7	<0.002	0.02	0.47	21.5	1	1.8	102.0	0.68	<0.05	6.46	0.389	0.36	1.7
YY09210		9.3	60.2	<0.002	0.03	0.30	22.0	1	1.7	147.0	0.78	<0.05	5.64	0.445	0.29	2.0
YY09211		4.3	21.7	<0.002	0.03	0.67	10.8	1	0.5	115.5	0.26	<0.05	2.69	0.136	0.12	0.9
YY09212		11.6	72.5	<0.002	0.01	0.50	13.1	<1	2.0	188.0	0.92	0.08	6.13	0.359	0.39	1.8
YY09213		11.5	63.3	<0.002	0.02	0.55	15.0	1	1.7	151.0	0.84	0.07	7.03	0.354	0.36	1.8
YY09214		10.5	53.8	<0.002	0.01	0.44	16.8	1	1.7	164.5	0.77	<0.05	5.55	0.396	0.31	1.5
YY09215		11.7	69.5	<0.002	0.01	0.45	15.2	1	1.9	180.0	0.85	0.05	6.10	0.413	0.32	1.7
YY09216		12.0	76.6	<0.002	0.01	0.33	14.4	1	2.1	186.0	0.95	0.05	8.51	0.361	0.39	2.1
YY09217		12.6	76.3	<0.002	0.01	0.26	14.0	1	2.4	150.5	0.90	<0.05	6.71	0.382	0.34	1.8
YY09218		16.8	85.2	<0.002	0.01	0.30	13.5	<1	3.0	152.0	1.14	<0.05	8.81	0.392	0.48	2.1
YY09219		15.7	71.0	<0.002	0.02	0.33	12.7	1	2.2	144.0	1.00	0.06	8.25	0.372	0.39	1.9
YY09220		15.1	71.9	<0.002	0.01	0.40	11.6	1	2.5	164.5	1.06	0.05	9.62	0.367	0.44	2.2
YY09221		17.1	65.3	<0.002	0.04	0.54	14.5	1	2.1	174.5	1.00	0.09	9.86	0.402	0.45	2.4
YY09222		17.1	69.5	<0.002	0.01	0.50	13.9	1	2.4	171.0	1.03	0.06	10.20	0.392	0.44	2.1



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
YY09183		81	1.0	19.4	46	41.9
YY09184		82	1.1	19.3	70	48.7
YY09185		92	1.3	15.2	60	44.2
YY09186		88	1.8	20.9	73	54.3
YY09187		82	1.5	16.6	53	61.2
YY09188		81	1.3	20.4	63	53.1
YY09189		93	2.1	31.4	82	69.5
YY09190		69	1.7	20.7	54	65.0
YY09191		78	4.8	19.6	80	63.3
YY09192		80	1.5	16.8	54	57.1
YY09193		81	2.0	20.2	60	65.1
YY09194		66	1.4	16.9	48	51.3
YY09195		73	1.4	18.4	49	52.7
YY09196		84	2.0	17.0	70	58.5
YY09197		78	1.4	23.5	54	77.3
YY09198		73	1.6	20.6	72	59.0
YY09199		104	1.7	22.0	77	54.8
YY09200		78	1.6	19.6	84	54.9
YY09201		107	1.6	21.4	77	61.4
YY09202		104	1.6	21.8	83	56.4
YY09203		87	1.3	16.0	62	48.9
YY09204		233	0.7	23.4	113	26.1
YY09205		195	0.6	19.9	90	46.9
YY09206		186	0.9	21.6	97	48.1
YY09207		214	0.7	23.2	96	24.2
YY09208		153	1.2	25.2	83	53.3
YY09209		136	1.1	25.2	95	39.5
YY09210		143	1.0	24.0	92	52.1
YY09211		62	1.1	5.6	66	30.1
YY09212		93	1.2	14.7	61	48.8
YY09213		106	1.1	16.0	72	40.3
YY09214		113	1.0	16.4	68	41.6
YY09215		116	1.2	15.0	74	65.0
YY09216		94	1.4	18.6	69	49.8
YY09217		97	1.3	13.7	84	53.4
YY09218		90	1.5	19.7	75	60.4
YY09219		109	1.2	13.9	71	50.3
YY09220		83	1.6	15.7	56	53.1
YY09221		104	1.5	16.4	81	56.6
YY09222		96	1.7	16.3	60	51.8





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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09223		0.40	<0.001	0.08	5.76	3.8	890	1.46	0.26	1.64	0.13	57.6	11.4	235	2.62	8.0
YY09224		0.41	<0.001	0.06	5.54	2.3	940	1.52	0.25	1.80	0.12	55.3	18.6	339	2.52	8.3
YY09225		0.31	<0.001	0.08	6.12	3.9	920	1.71	0.20	1.79	0.17	62.0	14.1	187	2.36	13.9
YY09226		0.45	<0.001	0.07	5.96	3.2	830	1.35	0.25	1.42	0.09	60.4	7.9	182	3.59	6.9
YY09227		0.41	<0.001	0.03	5.56	1.7	960	1.41	0.17	1.77	0.13	57.6	10.6	183	2.41	7.6
YY09228		0.43	<0.001	0.05	5.53	1.8	870	1.45	0.23	1.54	0.08	63.0	7.0	200	3.79	3.7
YY09229		0.40	<0.001	0.04	5.45	3.1	880	1.38	0.21	1.80	0.09	60.8	11.0	350	2.90	5.7
YY09230		0.36	<0.001	0.04	5.63	5.2	820	1.50	0.25	1.66	0.10	66.3	9.6	227	2.92	8.0
YY09231		0.36	<0.001	0.03	5.97	4.2	830	1.78	0.23	1.74	0.19	58.3	16.4	291	2.75	10.5
YY09232		0.35	<0.001	0.05	6.42	4.5	1050	1.69	0.34	1.92	0.15	60.1	14.2	244	4.02	10.5
YY09233		0.41	0.022	0.06	6.34	3.0	990	1.84	0.19	2.10	0.20	57.1	16.2	197	3.24	17.2
YY09234		0.38	<0.001	0.05	6.55	4.7	1070	1.85	0.20	1.74	0.14	71.2	13.4	166	2.68	11.1
YY09235		0.44	<0.001	0.09	6.29	4.7	980	1.70	0.29	1.45	0.10	71.8	10.8	213	3.94	11.0
YY09236		0.46	<0.001	0.17	6.77	4.7	1010	2.08	0.32	1.60	0.19	74.4	13.4	147	3.87	12.3
YY09237		0.40	<0.001	0.07	4.33	5.4	410	0.76	0.07	1.95	0.16	29.3	56.7	1340	1.58	41.0
YY09238		0.44	<0.001	0.02	5.94	3.0	1200	1.43	0.32	1.58	0.12	58.5	11.0	153	4.15	7.0
YY09239		0.38	<0.001	0.21	6.83	4.1	940	1.80	0.24	1.67	0.22	60.9	14.9	132	3.52	21.1
YY09240		0.45	<0.001	0.03	6.31	2.3	960	1.74	0.21	2.44	0.18	54.6	19.1	160	3.70	56.2
YY09241		0.37	<0.001	0.02	5.79	1.5	1060	1.32	0.18	1.93	0.12	60.7	10.7	213	3.07	8.3
YY09242		0.36	<0.001	0.09	6.50	4.0	1010	1.79	0.23	2.17	0.13	59.1	17.2	259	3.48	45.8
YY09243		0.41	<0.001	0.02	3.01	4.8	420	0.75	0.11	1.18	0.20	37.6	86.2	1080	1.90	16.4
YY09244		0.34	<0.001	0.03	2.49	5.7	320	0.59	0.10	1.04	0.23	35.3	104.5	1290	1.36	17.5
YY09245		0.32	0.001	0.05	2.69	5.8	390	0.46	0.12	0.71	0.33	26.8	108.0	1690	2.07	23.9
YY09246		0.40	<0.001	0.05	3.73	9.6	430	0.70	0.11	1.11	0.21	33.0	72.1	1110	1.72	24.4
YY09247		0.51	<0.001	0.05	2.06	8.1	230	0.42	0.07	0.72	0.14	16.05	95.8	1720	1.62	15.8
YY09248		0.36	<0.001	0.05	2.91	7.4	390	0.71	0.12	0.66	0.27	30.0	91.0	969	2.13	23.2
YY09249		0.41	<0.001	0.03	2.51	5.8	330	0.60	0.10	0.96	0.18	32.0	85.2	1540	1.37	20.8
YY09250		0.51	0.007	0.05	2.34	6.4	320	0.62	0.08	0.75	0.20	31.0	82.8	1650	1.29	21.1
YY09251		0.39	<0.001	0.03	6.76	2.2	910	1.45	0.20	2.09	0.23	59.8	21.6	272	3.54	29.0
YY09252		0.43	<0.001	0.10	5.30	3.2	800	1.32	0.15	2.16	0.18	47.0	29.9	546	2.28	23.3
YY09253		0.40	<0.001	0.07	5.33	4.7	620	1.73	0.14	1.63	0.23	48.7	21.5	332	2.64	22.7
YY09254		0.43	<0.001	0.03	4.39	5.6	670	1.10	0.17	2.32	0.19	44.4	51.0	893	1.82	13.5
YY09255		0.61	<0.001	0.07	4.71	4.9	700	1.38	0.16	1.97	0.20	58.1	48.0	761	1.86	24.2
YY09256		0.47	<0.001	0.02	4.76	4.6	740	1.15	0.18	1.91	0.18	43.7	48.7	816	2.24	18.9
YY09257		0.38	<0.001	0.04	1.94	6.3	230	0.38	0.07	0.57	0.18	19.30	110.0	1710	0.87	14.2
YY09258		0.44	0.005	0.02	4.37	50.3	610	1.03	0.23	1.18	0.18	43.4	69.4	995	2.56	17.9
YY09259		0.46	0.009	0.04	5.86	2.7	960	1.44	0.33	2.12	0.15	65.5	33.3	513	2.42	19.7
YY09260		0.44	<0.001	0.04	3.93	5.4	510	0.82	0.14	0.98	0.17	44.3	68.5	1210	1.85	14.4
YY09261		0.41	<0.001	0.03	4.22	5.6	540	0.89	0.15	1.14	0.17	51.7	67.7	1340	2.05	13.4
YY09262		0.40	<0.001	0.02	2.96	5.4	390	0.60	0.13	0.98	0.21	42.5	86.0	1660	1.20	15.0





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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09223		3.47	13.85	0.10	1.7	0.048	1.71	28.4	21.5	1.43	542	0.78	1.36	14.7	94.8	390
YY09224		3.06	12.75	0.09	1.5	0.048	1.74	26.7	21.2	1.77	520	0.61	1.32	14.3	180.5	450
YY09225		3.35	13.70	0.10	1.3	0.055	1.70	30.9	21.4	1.65	549	0.60	1.41	14.0	101.0	440
YY09226		3.02	16.65	0.10	1.8	0.042	1.85	30.0	18.0	1.11	490	0.84	1.26	18.2	52.9	480
YY09227		2.83	13.70	0.09	1.6	0.045	1.87	29.3	19.6	1.44	657	0.58	1.33	13.6	68.1	680
YY09228		2.13	14.70	0.09	1.6	0.037	1.85	31.1	16.2	1.24	421	3.65	1.38	17.1	52.4	160
YY09229		2.85	15.20	0.09	1.6	0.046	1.84	30.0	13.9	1.50	575	1.53	1.41	16.0	89.9	200
YY09230		3.37	15.95	0.11	1.8	0.048	1.71	33.3	18.0	1.30	571	1.04	1.34	15.6	75.6	690
YY09231		3.49	14.10	0.10	1.5	0.051	1.68	28.5	20.7	1.88	572	0.87	1.42	15.0	159.5	460
YY09232		4.19	17.55	0.11	1.6	0.060	2.06	29.5	31.3	1.90	673	1.52	1.37	16.9	99.2	350
YY09233		3.30	16.65	0.11	1.6	0.052	1.79	28.9	25.3	1.87	784	0.91	1.57	14.5	90.9	540
YY09234		3.55	14.35	0.11	1.6	0.055	1.79	35.0	23.7	1.47	603	0.62	1.46	15.6	78.6	580
YY09235		4.14	16.65	0.10	1.8	0.057	1.85	35.4	27.2	1.32	619	1.10	1.18	17.4	69.1	780
YY09236		3.69	18.00	0.12	1.7	0.062	1.86	36.0	28.1	1.39	570	1.02	1.37	18.5	70.7	370
YY09237		6.00	8.99	0.09	0.9	0.030	0.68	14.9	11.9	11.30	755	0.63	1.14	5.7	1095	410
YY09238		3.21	16.50	0.10	1.7	0.044	2.34	29.2	17.0	1.13	647	1.14	1.37	17.1	44.5	260
YY09239		3.62	15.00	0.11	1.2	0.060	1.65	30.8	28.7	1.55	562	0.85	1.32	14.5	80.8	360
YY09240		4.25	16.60	0.10	1.3	0.061	1.74	26.5	29.5	2.26	778	0.67	1.52	16.3	99.2	190
YY09241		2.83	14.35	0.11	1.4	0.042	1.90	30.1	15.2	1.56	644	0.52	1.48	15.5	64.1	140
YY09242		4.15	15.45	0.11	1.7	0.055	1.72	30.6	23.6	2.41	620	0.94	1.46	14.9	136.5	860
YY09243		6.12	6.65	0.08	1.0	0.026	0.71	18.6	10.2	12.55	1160	0.57	0.60	7.2	1385	700
YY09244		6.95	6.11	0.07	1.0	0.023	0.57	17.9	8.0	16.35	1170	0.50	0.53	6.1	1905	520
YY09245		7.22	6.28	0.06	0.8	0.029	0.55	13.2	8.2	12.95	1860	0.54	0.40	5.4	1465	1220
YY09246		5.92	8.92	0.06	1.5	0.028	0.87	17.6	10.1	11.15	761	0.66	1.03	6.0	1550	540
YY09247		6.63	4.74	0.05	0.7	0.016	0.41	7.7	5.3	16.25	1160	0.33	0.46	3.3	1915	420
YY09248		6.56	6.99	0.06	1.1	0.030	0.66	15.8	9.5	11.90	1400	0.61	0.50	6.3	1555	1070
YY09249		6.49	5.81	0.06	0.8	0.026	0.59	15.9	7.9	14.95	998	0.43	0.54	6.5	1605	420
YY09250		6.53	5.47	0.07	1.0	0.025	0.55	16.5	7.0	14.25	1020	0.43	0.48	5.9	1655	480
YY09251		4.40	16.90	0.09	1.9	0.066	1.61	29.2	23.0	2.90	731	1.63	1.13	14.6	223	550
YY09252		3.96	12.40	0.09	1.4	0.043	1.50	22.6	14.3	4.31	737	1.82	1.16	11.6	394	480
YY09253		3.41	13.50	0.10	2.0	0.050	1.35	22.9	17.7	2.99	646	0.70	1.10	11.5	282	560
YY09254		4.60	10.20	0.09	1.2	0.042	1.36	20.3	10.6	7.70	950	0.53	0.92	10.9	778	390
YY09255		4.55	11.40	0.09	2.4	0.048	1.65	27.7	12.5	6.27	853	0.60	0.92	13.1	777	380
YY09256		4.94	11.70	0.08	2.0	0.047	1.57	19.3	15.3	6.27	889	1.03	0.87	12.3	725	200
YY09257		7.05	4.73	0.06	0.7	0.015	0.44	9.3	4.6	17.40	1090	0.87	0.46	3.5	2010	380
YY09258		5.90	11.05	0.07	1.4	0.040	1.29	21.1	12.9	8.28	890	0.60	0.81	10.8	1275	370
YY09259		4.57	15.45	0.10	3.2	0.060	2.09	31.9	19.2	4.69	717	0.66	1.18	18.0	459	140
YY09260		6.76	9.02	0.07	1.5	0.032	0.93	21.8	11.0	10.20	842	0.62	0.85	10.2	1265	460
YY09261		6.97	10.05	0.07	1.5	0.037	0.96	26.4	12.1	9.05	844	0.58	0.95	10.3	1170	440
YY09262		7.58	7.11	0.07	1.0	0.028	0.63	21.2	7.9	13.20	960	0.47	0.67	7.4	1640	370



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09223		15.1	66.8	<0.002	0.01	0.45	11.6	<1	2.2	180.5	1.05	0.07	8.18	0.361	0.39	23.4
YY09224		16.6	69.7	<0.002	0.01	0.42	11.9	1	2.3	175.0	0.95	<0.05	8.20	0.346	0.43	2.3
YY09225		15.2	67.2	<0.002	0.01	0.46	14.2	1	2.3	180.0	0.98	0.06	10.15	0.358	0.43	2.6
YY09226		15.6	85.6	<0.002	0.01	0.45	10.8	1	3.1	172.5	1.35	<0.05	9.20	0.429	0.50	2.1
YY09227		14.1	66.9	<0.002	0.01	0.33	11.7	1	2.3	173.5	0.94	<0.05	7.94	0.352	0.40	2.0
YY09228		15.4	99.5	<0.002	0.01	0.34	11.0	1	2.6	175.5	1.10	<0.05	8.97	0.400	0.53	2.0
YY09229		13.7	88.0	<0.002	0.01	0.38	12.7	<1	2.6	188.5	1.10	<0.05	8.55	0.392	0.43	2.1
YY09230		16.1	75.2	<0.002	0.01	0.47	11.6	1	2.5	179.5	1.03	<0.05	10.50	0.380	0.43	2.2
YY09231		15.3	70.1	<0.002	0.01	0.54	12.0	1	2.3	186.5	1.09	0.07	8.23	0.370	0.38	2.1
YY09232		17.7	90.8	<0.002	0.01	0.45	14.4	<1	3.2	176.5	1.15	0.07	8.54	0.428	0.51	2.0
YY09233		14.4	78.9	<0.002	0.01	0.44	15.7	1	2.3	219	0.94	<0.05	7.05	0.404	0.46	2.0
YY09234		15.7	71.1	<0.002	0.01	0.51	13.9	1	2.4	187.0	1.07	0.05	11.15	0.388	0.47	2.4
YY09235		17.7	76.1	<0.002	0.01	0.55	11.5	1	2.9	148.0	1.13	0.06	12.60	0.408	0.46	2.4
YY09236		16.7	91.9	<0.002	0.01	0.55	15.1	1	3.0	177.0	1.21	<0.05	11.70	0.396	0.54	2.7
YY09237		5.6	27.1	<0.002	0.02	0.54	17.2	<1	0.7	144.0	0.38	<0.05	3.89	0.278	0.16	1.1
YY09238		17.5	116.0	<0.002	0.01	0.34	11.6	1	3.1	174.0	1.13	<0.05	9.12	0.400	0.61	2.1
YY09239		17.1	73.4	<0.002	0.01	0.50	15.2	1	2.4	162.0	0.96	<0.05	10.30	0.361	0.48	2.1
YY09240		14.6	75.5	<0.002	0.01	0.37	19.6	<1	2.6	182.5	1.09	<0.05	7.24	0.495	0.43	1.7
YY09241		12.2	86.3	<0.002	<0.01	0.33	13.7	1	2.5	179.5	1.01	<0.05	7.48	0.402	0.42	1.9
YY09242		14.2	78.9	<0.002	0.02	0.37	18.2	1	2.3	174.0	0.97	<0.05	9.96	0.438	0.47	2.9
YY09243		7.2	39.2	<0.002	0.06	0.57	11.9	<1	0.9	83.8	0.53	<0.05	5.56	0.184	0.22	1.3
YY09244		6.3	30.9	<0.002	0.03	0.69	12.5	<1	0.8	85.4	0.42	<0.05	5.24	0.170	0.19	1.4
YY09245		7.1	34.7	<0.002	0.08	0.85	13.8	<1	0.8	60.7	0.36	<0.05	4.00	0.160	0.21	0.9
YY09246		6.7	34.2	<0.002	0.02	0.67	12.3	1	0.8	213	0.42	<0.05	4.71	0.197	0.19	1.4
YY09247		3.8	19.4	<0.002	0.02	0.62	10.4	<1	0.4	94.7	0.23	<0.05	2.31	0.123	0.11	0.7
YY09248		7.2	39.0	<0.002	0.07	0.80	12.8	1	0.9	77.1	0.42	<0.05	4.69	0.158	0.23	1.1
YY09249		6.2	30.6	<0.002	0.03	0.70	11.8	<1	0.9	70.6	0.61	<0.05	4.74	0.179	0.18	1.1
YY09250		7.2	30.2	<0.002	0.03	0.67	11.0	1	0.8	65.2	0.45	<0.05	4.97	0.163	0.17	1.2
YY09251		14.7	82.4	<0.002	0.01	0.39	19.2	1	2.3	147.0	0.97	0.07	8.30	0.458	0.60	2.0
YY09252		11.5	57.9	<0.002	0.01	0.56	16.2	1	1.9	136.0	0.85	0.05	6.35	0.370	0.40	1.9
YY09253		10.9	52.7	<0.002	0.01	0.34	13.1	1	2.0	94.8	0.75	0.07	7.68	0.345	0.34	1.8
YY09254		9.8	49.5	<0.002	0.01	0.53	14.7	1	1.8	106.0	0.69	<0.05	6.34	0.309	0.28	1.5
YY09255		10.4	52.1	<0.002	0.01	0.53	15.5	<1	2.1	106.5	0.80	<0.05	8.61	0.362	0.33	2.1
YY09256		9.5	52.6	<0.002	0.01	0.51	15.0	1	2.1	100.5	0.85	<0.05	5.67	0.362	0.29	1.7
YY09257		5.6	20.5	<0.002	0.02	0.80	9.9	<1	0.5	83.2	0.25	<0.05	3.12	0.102	0.11	0.8
YY09258		10.3	56.6	<0.002	0.02	0.73	13.0	<1	1.9	91.8	0.71	<0.05	6.89	0.281	0.27	1.5
YY09259		15.4	67.6	<0.002	0.01	0.46	16.9	<1	3.1	128.0	1.14	<0.05	8.80	0.427	0.37	2.3
YY09260		8.3	45.9	<0.002	0.03	0.71	12.4	1	1.3	122.0	0.67	<0.05	6.48	0.262	0.23	1.5
YY09261		9.2	49.4	<0.002	0.02	0.71	12.7	1	1.4	134.0	0.69	<0.05	7.79	0.298	0.27	1.7
YY09262		6.9	32.0	<0.002	0.02	0.68	13.1	<1	1.0	95.9	0.54	<0.05	6.46	0.239	0.19	1.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
YY09223		82	1.6	17.4	55	55.2
YY09224		75	1.3	17.8	59	51.6
YY09225		87	1.3	17.6	57	46.3
YY09226		94	1.6	15.5	54	73.1
YY09227		81	1.3	17.0	60	51.4
YY09228		84	1.4	15.7	38	61.6
YY09229		89	1.4	18.3	47	57.9
YY09230		95	1.6	19.2	49	61.7
YY09231		85	1.3	16.9	61	65.2
YY09232		109	1.7	18.2	84	57.7
YY09233		102	1.2	17.8	73	58.4
YY09234		92	1.7	19.7	71	53.5
YY09235		101	1.8	16.8	93	69.9
YY09236		101	1.8	19.4	72	62.5
YY09237		101	0.9	10.7	74	31.3
YY09238		99	1.7	17.8	61	54.2
YY09239		94	1.5	17.9	75	42.6
YY09240		128	1.4	19.8	84	45.2
YY09241		88	1.3	18.4	54	51.2
YY09242		115	1.3	19.4	75	61.3
YY09243		65	0.9	8.6	69	39.2
YY09244		64	1.1	9.0	74	37.8
YY09245		73	2.2	6.6	98	31.6
YY09246		65	1.1	9.1	78	58.2
YY09247		59	1.1	5.1	72	27.9
YY09248		60	1.5	8.5	93	40.7
YY09249		68	1.6	8.4	69	30.0
YY09250		64	0.9	7.9	73	33.2
YY09251		130	1.1	18.8	86	65.3
YY09252		123	1.0	19.5	76	54.4
YY09253		96	1.3	15.7	110	66.0
YY09254		95	1.4	16.4	71	46.0
YY09255		97	1.4	20.6	64	74.2
YY09256		106	1.3	17.2	75	75.3
YY09257		50	1.3	4.2	74	28.2
YY09258		85	12.8	12.4	74	53.3
YY09259		105	1.9	21.4	67	116.5
YY09260		83	1.2	10.4	64	55.7
YY09261		93	1.2	12.2	74	54.4
YY09262		84	1.1	10.3	72	38.2



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**CERTIFICATE OF ANALYSIS WH18206271**

Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09263		0.51	<0.001	0.02	4.47	4.5	600	1.14	0.14	1.22	0.20	53.7	59.1	982	1.90	12.7
YY09264		0.48	<0.001	0.02	4.11	3.9	570	0.91	0.14	1.19	0.14	47.9	59.8	1200	1.85	9.5
YY09265		0.47	<0.001	0.02	3.63	4.3	570	0.90	0.16	1.11	0.15	36.9	80.3	1100	1.58	14.6
YY09266		0.47	<0.001	0.03	5.02	4.2	680	1.00	0.18	1.74	0.14	37.1	74.7	690	2.53	16.1
YY09267		0.42	<0.001	0.02	3.30	7.9	410	0.62	0.14	0.67	0.18	33.4	118.5	1540	2.07	14.3
YY09268		0.45	<0.001	0.03	3.30	9.4	420	0.57	0.14	0.82	0.15	24.4	120.5	1400	1.92	22.3
YY09269		0.44	<0.001	0.14	5.43	3.3	850	1.18	0.19	1.88	0.44	43.3	33.2	396	3.13	32.0
YY09270		0.44	<0.001	0.50	5.86	3.0	800	1.35	0.31	2.06	0.64	52.8	28.8	394	3.36	36.6
YY09271		0.44	0.005	0.47	5.80	5.2	840	1.61	0.22	1.77	0.73	59.0	24.7	316	3.97	66.9
YY09272		0.69	<0.001	0.54	5.76	8.9	620	1.53	0.23	1.73	0.45	58.2	23.7	332	3.02	56.1
YY09273		0.60	<0.001	0.02	5.92	2.3	730	1.50	0.17	2.20	0.11	59.4	29.8	455	2.67	14.2
YY09274		0.50	<0.001	0.03	5.47	3.8	710	1.40	0.23	1.89	0.20	52.8	35.8	728	2.28	12.7
YY09275		0.44	<0.001	0.02	6.03	4.3	820	1.42	0.23	1.70	0.19	50.2	27.3	495	2.74	11.3
YY09276		0.46	<0.001	0.03	5.45	2.7	770	1.88	0.21	1.78	0.14	59.8	20.2	448	2.18	13.7
YY09277		0.40	<0.001	0.05	5.76	4.7	800	1.46	0.29	1.67	0.15	55.4	18.5	534	2.92	8.6
YY09278		0.45	<0.001	0.03	6.03	3.5	760	1.29	0.20	1.87	0.12	52.6	18.7	409	2.53	8.9
YY09279		0.48	<0.001	0.03	6.50	3.9	840	1.64	0.23	2.05	0.11	61.8	27.8	397	2.71	16.1
YY09280		0.63	<0.001	0.13	5.82	2.8	890	1.93	0.32	1.79	0.42	82.8	52.2	717	3.64	25.7
YY09281		0.58	<0.001	0.06	5.78	2.0	910	1.85	0.20	1.87	0.22	65.0	36.1	635	2.88	20.1
YY09282		0.54	0.004	0.22	5.50	4.0	790	1.65	0.23	1.83	0.38	61.2	38.2	694	3.27	37.8
YY09283		0.46	<0.001	0.08	3.12	10.9	400	0.71	0.12	1.15	0.28	31.8	98.7	1560	2.02	18.4
YY09284		0.64	<0.001	0.09	4.43	3.9	440	1.19	0.12	0.97	0.20	43.2	42.8	881	2.79	16.7
YY09285		0.58	<0.001	0.05	4.67	3.4	720	1.15	0.13	1.98	0.17	44.5	45.4	819	1.90	13.5
YY09286		0.51	<0.001	0.02	5.08	3.8	690	1.09	0.18	2.12	0.15	42.3	46.0	756	2.00	23.9
YY09287		0.59	<0.001	0.03	4.41	5.1	570	0.94	0.17	1.13	0.16	34.1	91.4	1050	2.42	17.0
YY09288		0.49	<0.001	0.01	0.99	7.0	110	0.18	0.04	0.18	0.20	6.68	193.5	2230	0.50	20.9
YY09289		0.49	<0.001	0.01	5.86	2.5	890	1.19	0.20	2.67	0.15	52.4	38.3	369	1.86	24.3
YY09290		0.58	<0.001	0.02	4.94	3.4	710	1.07	0.15	1.82	0.15	46.2	55.3	838	2.06	13.8
YY09291		0.37	<0.001	0.06	3.49	13.6	510	0.85	0.14	0.86	0.23	48.0	77.0	843	2.02	18.0
YY09292		0.41	<0.001	0.04	2.62	9.4	300	0.55	0.10	1.02	0.18	33.1	78.4	2110	1.13	17.9
YY09293		0.42	<0.001	0.04	3.39	7.0	510	0.83	0.12	0.97	0.25	54.9	66.0	1080	1.61	19.0
YY09294		0.44	0.002	0.04	3.67	6.8	530	1.04	0.13	1.15	0.13	53.4	53.4	670	1.75	22.4
YY09295		0.41	<0.001	0.04	3.06	7.4	410	0.69	0.13	0.94	0.28	37.5	88.6	1450	1.73	27.8
YY09296		0.39	0.005	0.06	2.76	10.2	400	0.63	0.11	0.76	0.21	36.9	111.0	1240	2.40	31.0
YY09297		0.40	0.003	0.07	2.14	7.6	280	0.46	0.08	0.73	0.21	22.4	107.0	1630	2.17	22.1
YY09298		0.48	<0.001	0.07	2.43	9.4	300	0.61	0.10	0.83	0.20	35.1	88.5	2090	1.65	20.5
YY09299		0.45	<0.001	0.05	2.10	7.8	290	0.62	0.10	0.66	0.25	30.5	112.5	1290	1.75	20.3
YY09300		0.46	<0.001	0.05	2.12	10.4	310	0.53	0.10	0.80	0.28	37.2	114.0	1330	1.84	19.1
YY09301		0.46	<0.001	0.08	4.81	3.8	800	1.26	0.19	1.88	0.24	50.8	45.0	715	2.54	19.7
YY09302		0.48	<0.001	0.03	4.81	3.6	780	1.21	0.21	2.02	0.20	47.7	46.1	703	2.30	20.0



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09263		5.32	10.80	0.08	1.6	0.039	1.11	26.6	13.1	9.38	716	0.62	1.08	12.2	1035	320
YY09264		5.65	10.15	0.07	1.6	0.037	1.18	23.4	13.1	10.05	734	0.46	0.89	12.2	1085	320
YY09265		5.15	8.89	0.07	1.4	0.033	1.17	16.0	9.3	12.05	968	0.57	0.74	8.8	1315	170
YY09266		5.70	12.15	0.07	1.6	0.045	1.23	17.3	13.7	7.67	1370	0.62	1.02	11.5	873	230
YY09267		7.95	8.44	0.07	1.1	0.029	0.78	16.1	10.2	11.95	1150	0.68	0.60	8.1	1225	360
YY09268		7.31	8.64	0.06	0.8	0.031	0.75	11.5	9.7	12.70	1020	0.65	0.59	6.8	1460	210
YY09269		4.31	14.60	0.10	1.7	0.050	1.44	21.3	19.1	3.73	722	1.54	1.00	13.6	374	300
YY09270		4.25	13.90	0.10	1.6	0.051	1.49	25.7	16.5	3.47	791	1.97	1.05	13.2	326	520
YY09271		4.04	15.35	0.11	1.9	0.055	1.48	29.6	18.4	3.00	960	3.43	0.87	13.2	269	830
YY09272		3.88	14.95	0.11	1.7	0.057	1.09	29.8	21.6	2.73	727	2.62	1.25	10.7	243	850
YY09273		4.00	14.65	0.11	1.4	0.058	1.50	29.0	18.5	3.91	679	0.85	1.37	15.4	355	340
YY09274		4.25	12.80	0.09	1.3	0.045	1.49	24.3	17.0	3.95	687	0.52	1.26	12.5	473	340
YY09275		3.99	14.30	0.08	1.3	0.047	1.51	24.8	21.5	2.78	576	0.65	1.29	14.7	295	230
YY09276		3.16	13.25	0.10	1.4	0.045	1.63	29.4	14.5	2.82	600	1.15	1.38	14.8	233	200
YY09277		4.38	15.70	0.10	1.8	0.056	1.70	27.5	21.3	2.33	617	0.93	1.28	17.1	199.0	370
YY09278		3.71	14.70	0.09	1.4	0.049	1.56	26.3	20.0	2.45	548	0.48	1.40	14.7	196.5	230
YY09279		4.15	15.20	0.11	1.6	0.052	1.58	30.2	20.0	3.21	687	0.77	1.49	15.3	305	570
YY09280		4.78	15.20	0.13	1.6	0.056	1.87	40.1	23.1	4.58	784	0.56	1.15	16.1	676	580
YY09281		3.61	14.70	0.10	1.9	0.053	2.06	31.9	19.6	3.94	593	0.60	1.22	16.6	439	520
YY09282		3.66	13.70	0.11	1.6	0.049	1.46	30.6	18.2	4.13	565	1.23	1.07	14.5	533	630
YY09283		6.73	7.75	0.08	1.1	0.025	0.73	16.0	8.6	11.60	1240	0.83	0.62	6.7	1360	540
YY09284		4.48	11.50	0.06	1.5	0.042	0.85	21.0	17.3	7.24	519	0.51	0.73	11.5	962	320
YY09285		4.52	10.90	0.07	1.4	0.041	1.30	22.0	12.2	7.25	785	0.44	1.09	11.4	725	270
YY09286		4.89	11.50	0.08	1.2	0.039	1.15	20.3	12.2	6.85	843	0.54	1.16	10.9	800	360
YY09287		5.77	12.20	0.06	1.5	0.030	1.15	17.0	13.0	9.14	1100	0.92	1.04	9.4	985	390
YY09288		9.65	2.37	0.07	0.2	0.013	0.15	2.0	2.1	19.15	2260	0.28	0.11	1.4	2120	180
YY09289		4.61	13.15	0.09	1.6	0.050	1.67	24.7	11.7	4.49	935	0.50	1.33	13.7	500	370
YY09290		5.30	12.20	0.08	1.7	0.041	1.38	22.1	12.8	7.68	822	0.50	1.10	12.4	838	240
YY09291		5.32	8.15	0.07	1.3	0.032	0.87	25.3	11.4	11.60	1050	0.71	0.73	8.7	1310	500
YY09292		6.92	6.07	0.07	1.0	0.021	0.57	16.6	6.3	15.40	894	0.43	0.62	5.5	1765	450
YY09293		5.15	7.53	0.06	1.4	0.029	0.85	26.1	10.9	9.47	980	0.68	0.82	8.5	1100	510
YY09294		4.55	8.21	0.07	1.2	0.031	0.95	26.1	12.5	8.86	833	0.56	0.93	9.1	1030	260
YY09295		6.45	7.06	0.06	1.2	0.029	0.71	18.0	9.9	11.60	1350	0.63	0.70	6.1	1460	830
YY09296		6.56	6.14	0.06	1.1	0.025	0.66	17.9	9.6	13.25	1920	0.51	0.60	6.3	1710	650
YY09297		6.60	4.65	<0.05	0.8	0.018	0.47	9.2	6.7	15.50	1620	0.40	0.48	3.6	1885	600
YY09298		7.23	5.41	<0.05	0.9	0.023	0.54	16.5	7.6	14.40	1100	0.39	0.56	5.3	1755	480
YY09299		6.68	4.96	0.05	0.9	0.023	0.45	13.2	7.5	14.75	1560	0.43	0.42	5.1	1750	540
YY09300		6.53	5.08	0.05	0.9	0.020	0.48	17.0	7.9	12.85	1860	0.49	0.42	6.2	1575	600
YY09301		4.25	11.75	0.08	1.6	0.045	1.64	22.2	13.1	5.88	925	1.91	1.14	11.2	571	450
YY09302		4.58	11.65	0.07	2.1	0.044	1.66	21.2	15.0	7.20	910	0.74	0.94	11.4	649	260



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09263		8.9	53.5	<0.002	0.01	0.69	14.2	<1	1.6	145.0	0.79	<0.05	7.20	0.322	0.28	1.8
YY09264		9.3	51.0	<0.002	0.01	0.51	12.8	<1	1.8	115.5	0.76	<0.05	6.49	0.302	0.24	1.7
YY09265		7.9	42.6	<0.002	0.01	0.71	13.2	<1	1.6	91.4	0.59	<0.05	4.98	0.237	0.24	1.3
YY09266		10.1	50.4	<0.002	0.01	0.71	16.1	<1	1.9	124.0	0.75	<0.05	4.97	0.356	0.26	1.3
YY09267		8.0	46.0	<0.002	0.01	1.08	11.2	1	1.2	75.5	0.57	<0.05	4.81	0.211	0.21	1.2
YY09268		7.1	38.7	<0.002	0.01	1.58	12.4	<1	1.2	73.2	0.48	<0.05	3.24	0.207	0.18	0.9
YY09269		13.3	63.9	<0.002	0.01	0.51	17.7	1	2.1	119.0	0.87	0.05	5.54	0.438	0.37	1.7
YY09270		15.6	68.1	<0.002	0.02	0.50	16.5	1	2.2	117.0	0.92	0.05	7.98	0.403	0.42	2.0
YY09271		15.5	69.2	<0.002	0.02	0.87	15.5	2	2.2	120.0	0.97	0.08	8.60	0.398	0.55	2.8
YY09272		13.5	53.5	<0.002	0.02	0.54	14.2	1	1.9	118.5	0.73	0.09	8.71	0.357	0.41	3.6
YY09273		14.3	76.3	<0.002	0.01	0.38	16.7	1	2.6	207	1.06	<0.05	8.55	0.406	0.41	2.0
YY09274		15.4	63.0	<0.002	0.01	0.37	13.0	<1	2.0	173.5	0.85	<0.05	7.72	0.349	0.34	1.8
YY09275		15.1	65.5	<0.002	0.01	0.47	13.3	1	2.5	168.5	1.05	<0.05	7.24	0.367	0.37	1.7
YY09276		14.3	71.6	<0.002	0.01	0.45	12.0	<1	2.4	179.0	1.11	<0.05	8.62	0.365	0.35	2.1
YY09277		18.7	67.5	<0.002	0.01	0.54	12.5	<1	2.7	175.5	1.17	<0.05	7.99	0.413	0.37	2.0
YY09278		14.5	72.1	<0.002	<0.01	0.39	13.1	1	2.3	194.5	1.00	<0.05	6.95	0.402	0.37	1.7
YY09279		15.4	61.0	<0.002	0.01	0.51	16.8	1	2.3	198.0	0.99	<0.05	9.16	0.437	0.39	2.1
YY09280		16.7	89.5	<0.002	0.02	0.50	16.2	1	3.1	151.5	1.10	<0.05	13.00	0.374	0.52	3.8
YY09281		15.0	82.6	<0.002	0.01	0.36	15.0	1	3.1	158.0	1.18	<0.05	10.30	0.365	0.49	2.7
YY09282		14.1	69.5	0.002	0.06	0.67	15.4	1	2.2	150.0	5.84	0.05	9.38	0.366	0.44	2.7
YY09283		6.9	44.1	<0.002	0.03	0.80	12.3	<1	1.0	88.9	0.46	0.05	4.67	0.195	0.21	1.2
YY09284		9.4	46.9	<0.002	0.01	0.40	12.1	1	1.6	95.9	0.74	<0.05	6.40	0.309	0.28	1.5
YY09285		10.0	50.6	<0.002	0.01	0.55	14.3	1	1.8	128.0	0.75	<0.05	5.83	0.342	0.26	1.5
YY09286		9.7	47.8	<0.002	0.01	0.54	16.7	1	1.6	131.0	0.71	<0.05	5.94	0.376	0.29	1.4
YY09287		8.8	54.6	<0.002	0.01	1.18	12.9	1	1.5	166.5	0.60	<0.05	4.85	0.261	0.24	1.4
YY09288		1.7	8.7	<0.002	0.01	1.54	14.4	<1	0.3	14.4	0.10	<0.05	1.14	0.043	0.06	0.3
YY09289		11.5	55.3	<0.002	0.01	0.54	19.3	<1	2.1	144.5	0.89	<0.05	6.96	0.461	0.32	1.7
YY09290		10.0	56.9	<0.002	0.01	0.61	15.9	<1	2.0	126.5	0.80	<0.05	6.20	0.358	0.29	1.7
YY09291		9.0	45.0	<0.002	0.03	0.91	11.1	1	1.2	104.0	0.63	<0.05	7.75	0.232	0.29	1.9
YY09292		5.7	25.6	<0.002	0.02	0.66	10.4	1	0.8	115.0	0.40	<0.05	4.71	0.196	0.14	1.3
YY09293		8.5	42.8	<0.002	0.04	1.73	9.6	1	1.2	120.0	0.64	0.05	7.31	0.238	0.27	1.9
YY09294		8.1	46.9	<0.002	0.02	0.78	9.8	<1	1.4	130.0	0.69	<0.05	7.46	0.253	0.30	1.7
YY09295		7.2	35.5	<0.002	0.05	0.99	10.1	<1	1.0	124.0	0.43	<0.05	5.13	0.193	0.22	1.3
YY09296		6.2	35.5	<0.002	0.05	1.34	10.2	<1	1.0	88.8	0.47	<0.05	5.14	0.178	0.21	1.1
YY09297		4.3	21.2	<0.002	0.05	0.93	9.0	<1	0.6	82.9	0.26	<0.05	2.72	0.111	0.14	0.8
YY09298		5.6	24.3	<0.002	0.02	1.16	10.2	<1	0.8	92.1	0.40	<0.05	4.56	0.182	0.16	1.2
YY09299		5.4	25.2	<0.002	0.04	1.02	11.1	1	0.7	63.2	0.37	<0.05	4.13	0.145	0.18	1.1
YY09300		6.0	30.3	<0.002	0.05	1.48	10.3	<1	0.8	62.6	0.48	<0.05	5.53	0.164	0.19	1.2
YY09301		11.7	65.4	<0.002	0.01	0.50	12.3	<1	2.2	126.5	0.76	<0.05	6.87	0.308	0.41	1.9
YY09302		11.8	59.2	<0.002	0.01	0.55	13.7	<1	2.3	110.5	0.79	<0.05	6.40	0.320	0.38	1.6



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
YY09263		86	2.0	13.0	72	57.4
YY09264		82	1.5	12.9	72	59.7
YY09265		74	1.8	10.8	58	57.3
YY09266		102	1.8	13.1	82	54.5
YY09267		82	2.4	6.9	84	43.5
YY09268		90	3.6	6.9	77	33.9
YY09269		146	1.0	21.5	159	66.0
YY09270		123	1.2	19.7	108	55.9
YY09271		133	1.2	26.2	160	74.2
YY09272		125	1.3	20.6	152	65.8
YY09273		97	1.2	19.3	70	50.5
YY09274		87	1.2	16.5	65	42.6
YY09275		90	1.5	15.6	71	49.3
YY09276		79	1.2	17.5	58	62.4
YY09277		96	1.7	16.9	63	64.4
YY09278		93	1.3	15.9	61	50.0
YY09279		103	1.3	17.8	67	54.4
YY09280		95	1.5	24.0	103	61.7
YY09281		86	1.5	21.2	79	83.4
YY09282		100	1.5	19.5	97	69.5
YY09283		76	1.7	8.3	76	39.1
YY09284		79	1.2	10.0	84	51.3
YY09285		97	1.3	15.9	65	52.9
YY09286		111	1.2	15.4	70	40.4
YY09287		90	2.3	8.7	73	57.7
YY09288		60	6.5	1.7	102	6.9
YY09289		124	1.4	20.3	64	73.5
YY09290		103	1.6	15.3	73	59.6
YY09291		71	1.3	11.8	69	50.0
YY09292		74	0.7	8.1	83	37.3
YY09293		70	1.1	11.1	67	49.4
YY09294		70	1.1	11.5	59	45.0
YY09295		65	0.9	8.1	89	46.6
YY09296		61	1.0	8.3	75	36.5
YY09297		52	1.3	5.1	79	29.9
YY09298		71	1.2	7.5	80	35.8
YY09299		58	1.5	7.2	74	28.6
YY09300		61	1.3	7.5	73	34.2
YY09301		91	1.4	15.1	71	67.5
YY09302		97	1.5	16.1	67	67.0



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**CERTIFICATE OF ANALYSIS WH18206271**

Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09303		0.46	0.002	0.04	5.23	6.3	760	1.09	0.21	1.93	0.17	49.7	41.1	675	2.48	15.8
YY09304		0.50	<0.001	0.02	4.74	8.3	660	1.22	0.18	1.43	0.15	50.7	52.4	738	2.49	16.6
YY09305		0.40	<0.001	0.04	2.94	5.4	370	0.57	0.09	0.75	0.16	23.7	79.7	1590	1.09	9.9
YY09306		0.57	<0.001	0.03	4.30	3.7	640	1.02	0.14	1.50	0.19	54.2	55.5	769	1.88	16.5
YY09307		0.48	<0.001	0.05	3.29	4.9	380	0.56	0.09	0.92	0.13	25.1	72.6	1260	1.29	14.3
YY09308		0.39	<0.001	0.04	2.67	6.0	320	0.58	0.09	0.69	0.17	28.6	91.0	1240	1.31	15.2
YY09309		0.41	<0.001	0.02	5.17	4.9	660	1.13	0.21	1.48	0.20	50.8	57.8	770	2.73	18.0
YY09310		0.55	<0.001	0.03	3.92	5.1	530	0.93	0.13	1.27	0.19	64.5	71.1	1080	1.43	15.6
YY09311		0.47	0.003	0.03	3.38	5.6	470	0.83	0.12	0.91	0.21	49.5	78.1	1030	1.46	14.9
YY09312		0.42	<0.001	0.04	3.40	8.0	430	0.72	0.12	0.87	0.22	41.4	87.4	1150	1.54	16.7





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Sample Description	Method Analyte Units LOD	ME- MS61 Fe %	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm
YY09303		4.33	12.35	0.07	1.7	0.049	1.65	22.3	13.8	6.71	768	0.92	1.13	12.0	579	440
YY09304		5.03	11.00	0.07	1.6	0.042	1.42	23.0	16.1	7.73	858	0.80	1.02	11.3	956	380
YY09305		6.20	7.02	<0.05	1.1	0.015	0.76	10.2	9.0	12.90	844	0.67	0.85	4.4	1435	420
YY09306		4.60	10.20	0.07	1.4	0.045	1.17	25.3	13.2	7.72	1080	0.49	1.06	10.1	1025	430
YY09307		5.78	7.49	<0.05	1.3	0.021	0.78	11.1	9.3	13.60	832	0.67	0.90	4.3	1555	580
YY09308		6.32	6.14	0.05	1.0	0.020	0.60	13.2	8.9	14.65	1000	0.45	0.61	5.0	1825	520
YY09309		5.63	12.30	0.07	1.5	0.048	1.25	22.5	21.3	7.17	821	0.84	1.06	11.1	780	320
YY09310		6.07	8.68	0.08	1.5	0.036	0.95	30.7	12.0	11.30	848	0.47	0.99	10.0	1380	540
YY09311		6.47	7.42	0.07	1.2	0.028	0.79	23.0	11.2	12.80	930	0.56	0.77	8.3	1545	310
YY09312		6.70	7.74	0.06	1.3	0.026	0.77	19.3	11.0	12.45	1080	0.68	0.79	6.6	1560	640

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



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Sample Description	Method	Analyte	Units	LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61			
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09303					11.2	64.9	<0.002	0.01	0.52	13.6	1	2.4	131.5	0.84	<0.05	6.52	0.369	0.35	1.7
YY09304					9.8	62.8	<0.002	0.02	0.64	12.7	<1	2.0	124.5	0.80	<0.05	7.23	0.319	0.32	1.9
YY09305					5.0	26.2	<0.002	0.02	0.60	8.2	<1	0.6	164.5	0.37	<0.05	3.00	0.132	0.16	1.1
YY09306					8.6	50.4	<0.002	0.01	0.58	12.2	<1	1.7	149.0	0.72	<0.05	7.38	0.323	0.30	1.6
YY09307					5.1	29.7	<0.002	0.03	0.48	8.7	<1	0.7	182.0	0.30	<0.05	3.30	0.148	0.17	1.1
YY09308					5.3	27.4	<0.002	0.03	0.53	9.9	1	0.7	110.0	0.34	<0.05	4.19	0.147	0.18	1.1
YY09309					10.2	56.9	<0.002	0.01	0.60	12.9	<1	1.9	142.5	0.83	<0.05	6.32	0.347	0.32	1.5
YY09310					8.1	42.4	<0.002	0.01	0.73	12.5	<1	1.4	140.0	0.73	<0.05	8.56	0.315	0.26	2.0
YY09311					7.5	37.6	<0.002	0.02	0.74	11.6	<1	1.2	108.5	0.66	<0.05	6.81	0.247	0.24	1.8
YY09312					6.9	36.8	<0.002	0.04	0.78	10.7	<1	0.9	130.5	0.49	<0.05	5.67	0.203	0.22	1.4



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Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09303		104	1.4	16.1	69	72.0
YY09304		87	1.6	13.3	67	60.5
YY09305		51	0.9	4.9	70	47.5
YY09306		84	1.2	12.4	67	51.7
YY09307		52	1.1	5.6	66	48.9
YY09308		55	1.3	6.6	67	38.9
YY09309		99	13.7	11.2	74	58.8
YY09310		89	1.3	14.0	70	52.2
YY09311		80	1.3	11.0	70	43.5
YY09312		68	1.5	8.7	73	48.5



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**CERTIFICATE OF ANALYSIS WH18206271**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: REE's may not be totally soluble in this method.  
ME- MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- ICP21 ME- MS61



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**CERTIFICATE WH18206272**

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This report is for 188 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22- AUG- 2018.

The following have access to data associated with this certificate:

HEATHER BURRELL SCOTT NEWMAN	ANDREW CARNE	JACK MORTON
---------------------------------	--------------	-------------

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- MS61	48 element four acid ICP- MS	

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 WH18206272**

Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY09313		0.36	<0.001	0.03	5.82	5.1	830	0.94	0.16	2.30	0.18	49.9	43.1	593	3.26	22.6
YY09314		0.58	<0.001	0.03	3.94	6.5	540	1.01	0.16	1.14	0.20	71.8	61.7	1010	1.99	16.2
YY09315		0.42	<0.001	0.04	3.00	5.6	390	0.65	0.11	0.78	0.28	40.1	79.0	1430	1.37	14.1
YY09316		0.39	<0.001	0.03	4.41	4.3	560	0.95	0.16	1.29	0.15	42.3	65.2	1080	2.04	15.8
YY09317		0.53	<0.001	0.02	5.47	3.8	620	0.88	0.17	1.89	0.13	42.5	46.2	692	2.12	13.2
YY09318		0.44	<0.001	0.03	4.67	3.2	730	1.02	0.22	1.38	0.12	52.0	46.7	905	2.80	8.5
YY09319		0.45	0.001	0.02	4.47	4.6	600	0.80	0.16	1.21	0.12	40.0	50.0	830	2.22	10.9
YY09320		0.43	<0.001	0.02	3.60	12.1	460	0.57	0.17	0.71	0.15	33.4	111.5	1230	2.60	17.4
YY09321		0.38	0.002	0.03	5.43	14.8	730	1.27	0.21	1.56	0.57	46.1	90.9	665	3.36	29.7
YY09322		0.40	0.006	0.13	4.85	6.4	660	1.07	0.17	2.36	0.54	38.6	75.0	643	2.70	53.1
YY09323		0.44	<0.001	0.23	5.23	11.9	670	1.53	0.20	2.45	0.76	58.6	49.0	763	2.61	41.8
YY09324		0.36	0.001	0.50	6.71	14.1	770	1.83	0.22	1.91	1.06	56.7	36.7	360	3.70	61.4
YY09325		0.73	0.006	0.42	5.84	6.7	710	1.68	0.19	1.67	0.85	59.8	24.2	373	3.08	53.1
YY09326		0.38	0.031	0.24	5.43	9.9	690	1.40	0.19	1.77	0.26	50.9	31.1	419	3.66	44.0
YY09327		0.38	0.002	0.31	5.70	5.2	740	1.46	0.23	1.76	0.38	52.2	34.5	389	3.33	26.3
YY09328		0.37	0.001	0.26	6.23	3.3	820	1.73	0.24	1.55	0.50	57.3	27.8	482	3.18	21.4
YY09329		0.53	0.004	0.05	3.43	9.2	480	0.91	0.15	1.05	0.25	47.0	64.3	977	1.75	20.5
YY09330		0.46	0.001	0.04	3.27	12.1	450	0.96	0.14	1.23	0.18	47.6	79.1	1060	1.82	22.6
YY09331		0.48	0.001	0.04	3.02	9.1	410	0.72	0.13	0.91	0.25	29.0	98.3	1190	1.72	21.2
YY09332		0.53	0.007	0.06	2.12	12.3	250	0.50	0.10	0.78	0.20	18.60	99.6	1570	1.80	23.3
YY09333		0.48	0.003	0.04	1.51	9.7	160	0.56	0.16	0.45	0.14	12.00	100.5	1620	1.81	15.2
YY09334		0.52	<0.001	0.04	3.52	7.3	510	0.98	0.13	0.93	0.20	49.0	79.4	700	2.02	19.2
YY09335		0.49	<0.001	0.04	2.07	5.2	300	0.46	0.11	0.80	0.34	22.5	113.0	1670	1.17	18.5
YY09336		0.55	<0.001	0.05	2.39	6.3	310	0.67	0.10	0.82	0.21	27.4	93.6	1660	1.46	22.2
YY09337		0.70	0.004	0.06	2.26	8.6	290	0.56	0.10	0.68	0.21	27.4	108.5	1530	1.41	20.8
YY09338		0.60	0.002	0.05	3.30	5.0	480	0.93	0.14	1.17	0.20	52.3	79.0	1200	1.35	23.9
YY09339		0.57	0.001	0.06	3.28	4.6	480	0.95	0.12	1.14	0.21	56.3	81.3	1720	1.22	21.9
YY09340		0.49	<0.001	0.05	3.51	8.9	510	1.04	0.17	0.87	0.28	46.9	81.2	1460	2.00	22.9
YY09341		0.63	0.002	0.05	2.86	8.4	390	0.75	0.13	0.79	0.25	37.3	88.6	1620	1.71	21.2
YY09342		0.48	0.003	0.05	2.69	8.7	370	0.61	0.14	0.83	0.28	37.7	107.0	2290	1.41	20.5
YY09343		0.50	<0.001	0.05	2.83	7.2	420	0.64	0.15	0.70	0.36	30.2	100.5	1460	1.65	21.9
YY09344		0.46	<0.001	0.04	2.31	7.2	370	0.68	0.11	0.58	0.36	26.0	114.5	1540	1.43	15.3
YY09345		0.45	0.002	0.08	2.99	10.7	410	0.65	0.14	0.73	0.26	27.5	107.5	1120	1.86	33.9
YY09346		0.60	0.001	0.06	3.35	7.4	480	0.96	0.13	1.00	0.29	48.6	87.7	1650	1.54	21.2
YY09347		0.59	0.001	0.06	2.95	7.6	400	0.82	0.12	0.88	0.25	39.4	94.0	1460	1.57	23.0
YY09348		0.48	0.002	0.06	3.33	6.2	480	0.77	0.11	1.06	0.25	42.8	85.3	1400	1.42	22.2
YY09349		0.50	<0.001	0.06	3.96	7.0	510	0.92	0.14	1.13	0.20	41.4	61.7	1040	2.02	23.9
YY09350		0.59	0.001	0.28	2.78	7.1	400	0.64	0.15	0.93	0.35	43.2	134.0	1790	1.33	28.6
YY09351		0.45	<0.001	0.02	3.60	4.9	440	0.60	0.13	1.55	0.12	23.8	109.0	1740	1.53	15.3
YY09352		0.47	<0.001	0.04	7.39	2.6	600	1.10	0.18	3.48	0.15	37.6	43.5	474	2.01	90.7



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**CERTIFICATE OF ANALYSIS WH18206272**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY09313		6.12	14.50	0.07	1.4	0.056	0.93	23.2	22.6	4.78	846	0.85	1.28	13.0	491	480
YY09314		5.83	9.35	0.07	1.7	0.035	0.94	34.0	14.8	10.05	862	0.66	0.90	10.9	1230	670
YY09315		6.71	6.83	0.07	1.2	0.028	0.70	19.7	10.1	12.55	892	0.54	0.68	6.5	1590	570
YY09316		5.52	10.55	0.05	1.7	0.035	1.10	19.7	14.7	9.66	778	0.68	1.06	8.5	1210	420
YY09317		5.33	12.95	0.07	1.2	0.050	1.14	19.7	17.1	5.89	772	0.52	1.35	11.1	538	140
YY09318		4.70	12.40	0.07	1.9	0.043	1.52	24.1	14.3	6.79	828	0.51	0.93	12.5	579	230
YY09319		5.05	11.15	0.05	1.4	0.034	1.15	18.5	14.3	7.84	695	0.54	0.96	10.4	729	170
YY09320		7.35	10.60	0.06	1.2	0.035	0.92	15.7	11.9	10.25	1150	0.66	0.66	9.5	1025	380
YY09321		5.46	13.05	0.08	1.6	0.051	1.41	20.6	20.0	6.06	1130	0.77	1.06	11.4	1185	690
YY09322		5.08	11.15	0.06	1.2	0.049	1.16	17.1	15.6	8.08	1220	1.42	0.92	9.1	1170	390
YY09323		5.16	11.15	0.08	1.5	0.051	1.34	24.7	14.0	5.43	1150	5.52	0.79	9.4	703	1000
YY09324		4.69	15.75	0.08	1.8	0.061	1.49	26.1	22.6	3.60	952	4.46	1.24	9.0	366	850
YY09325		3.99	14.60	0.09	1.8	0.056	1.36	28.1	20.5	2.99	739	3.19	1.32	10.0	317	780
YY09326		3.90	13.20	0.08	1.9	0.049	1.31	24.5	17.9	4.24	622	0.93	1.09	9.7	543	720
YY09327		4.09	13.55	0.07	1.6	0.054	1.32	24.5	22.0	3.36	884	3.27	1.04	11.1	357	910
YY09328		4.26	14.60	0.08	1.7	0.054	1.64	26.0	23.4	3.66	665	2.23	1.16	13.4	367	370
YY09329		5.70	8.30	0.11	1.6	0.028	0.83	22.7	12.0	10.00	1020	1.01	0.75	9.5	1190	730
YY09330		5.69	7.86	0.09	1.4	0.029	0.78	22.4	11.6	11.80	1130	0.55	0.73	8.1	1300	500
YY09331		6.25	6.98	0.08	1.3	0.027	0.70	14.6	9.9	11.20	1460	0.62	0.64	5.9	1330	1140
YY09332		6.80	5.14	0.07	0.9	0.025	0.45	9.6	7.6	16.65	1200	0.45	0.43	4.3	1810	590
YY09333		5.98	3.58	0.07	0.5	0.014	0.28	6.0	5.9	16.95	928	0.34	0.29	2.9	2070	310
YY09334		5.07	8.27	0.09	1.4	0.037	0.87	22.6	13.7	11.30	1630	0.72	0.78	8.7	1245	350
YY09335		7.83	5.01	0.05	0.8	0.022	0.44	11.2	7.5	14.85	1420	0.54	0.38	4.7	1830	890
YY09336		7.05	5.80	0.08	1.0	0.020	0.54	14.2	8.5	14.70	1040	0.57	0.47	5.8	1750	580
YY09337		7.35	5.60	0.07	1.0	0.019	0.51	14.0	8.1	15.65	1220	0.55	0.45	5.5	1885	520
YY09338		5.97	7.92	0.09	1.4	0.033	0.81	25.6	11.9	12.70	895	0.67	0.76	8.9	1410	410
YY09339		6.18	7.93	0.11	1.3	0.032	0.86	26.6	12.2	12.20	917	0.54	0.82	8.9	1400	540
YY09340		6.50	8.75	0.09	1.5	0.028	0.84	23.1	13.8	10.85	1060	0.81	0.69	9.1	1435	700
YY09341		7.41	7.11	0.09	1.4	0.024	0.66	18.6	10.6	13.45	999	0.59	0.56	7.0	1790	660
YY09342		8.12	6.95	0.07	1.1	0.028	0.60	18.3	9.7	13.70	1170	0.62	0.52	6.5	1890	620
YY09343		6.88	6.94	0.10	1.1	0.031	0.64	16.4	11.2	13.50	1290	0.69	0.51	6.0	1635	900
YY09344		7.40	5.82	0.07	1.0	0.022	0.52	13.3	8.5	13.35	1580	0.58	0.43	5.7	1635	1270
YY09345		6.40	7.17	0.07	1.1	0.033	0.64	14.9	11.3	13.35	1400	0.75	0.49	5.6	1655	890
YY09346		6.81	8.36	0.09	1.4	0.030	0.79	23.7	11.7	11.60	1040	0.61	0.75	8.1	1465	580
YY09347		6.96	7.62	0.10	1.2	0.033	0.66	19.8	10.8	13.40	1060	0.61	0.63	6.7	1665	670
YY09348		6.12	7.82	0.08	1.3	0.026	0.80	20.4	11.0	11.80	1040	0.59	0.80	7.7	1455	530
YY09349		5.85	9.76	0.09	1.5	0.033	0.89	20.8	13.2	10.05	843	0.72	0.94	8.0	1215	750
YY09350		7.61	7.04	0.08	1.4	0.028	0.60	19.7	9.5	13.30	1760	0.79	0.58	7.0	1780	740
YY09351		7.89	9.84	0.08	1.2	0.028	0.78	11.9	12.2	12.70	1140	0.75	0.83	6.5	1495	410
YY09352		5.64	16.05	0.11	1.4	0.058	1.07	17.1	26.2	4.39	945	0.73	1.82	9.8	315	570



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
YY09313		8.9	49.6	<0.002	0.03	0.74	17.5	<1	1.6	137.5	0.86	<0.05	5.91	0.553	0.33	1.5
YY09314		9.4	47.8	<0.002	0.02	0.82	11.3	<1	1.5	135.0	0.78	<0.05	9.86	0.310	0.30	2.2
YY09315		6.6	34.9	<0.002	0.04	0.59	10.9	<1	0.9	114.0	0.46	<0.05	5.67	0.194	0.20	1.5
YY09316		8.2	47.0	<0.002	0.02	0.56	11.7	<1	1.5	167.5	0.59	<0.05	5.66	0.270	0.25	1.6
YY09317		10.9	54.5	<0.002	0.01	0.47	14.7	<1	1.8	162.0	0.79	<0.05	5.13	0.366	0.31	1.5
YY09318		10.7	67.1	<0.002	0.01	0.51	11.9	<1	2.4	114.0	0.88	<0.05	6.64	0.352	0.35	1.7
YY09319		8.8	54.4	<0.002	0.01	0.58	11.9	<1	1.8	126.5	0.73	<0.05	4.56	0.304	0.28	1.3
YY09320		8.1	48.8	<0.002	0.01	2.06	11.1	<1	1.6	85.4	0.65	0.06	4.24	0.254	0.27	1.1
YY09321		11.5	73.1	<0.002	0.02	0.62	13.9	<1	2.0	142.0	0.80	<0.05	6.36	0.354	0.36	1.6
YY09322		9.2	51.4	<0.002	0.01	0.85	13.8	<1	1.7	119.0	0.63	<0.05	4.99	0.314	0.32	1.6
YY09323		14.6	53.7	<0.002	0.04	1.54	12.0	1	1.8	103.5	0.63	<0.05	7.92	0.300	0.54	3.1
YY09324		12.8	67.3	<0.002	0.03	0.87	14.0	1	2.0	149.0	0.60	0.07	7.60	0.322	0.65	3.6
YY09325		14.9	57.8	<0.002	0.02	0.65	13.3	1	2.0	113.0	0.69	0.08	8.16	0.349	0.57	2.8
YY09326		12.4	55.0	<0.002	0.04	0.42	12.2	1	1.9	137.5	0.68	<0.05	7.44	0.319	0.40	2.2
YY09327		13.0	72.2	<0.002	0.05	0.39	12.7	1	2.0	139.5	0.78	<0.05	8.03	0.347	0.45	2.7
YY09328		15.6	78.8	<0.002	0.02	0.40	12.5	1	2.3	155.0	0.96	<0.05	7.82	0.391	0.51	2.2
YY09329		10.0	39.1	<0.002	0.04	0.97	11.3	1	1.3	103.0	0.65	<0.05	7.38	0.264	0.23	1.9
YY09330		7.9	37.3	<0.002	0.03	0.80	11.6	1	1.2	99.8	0.60	<0.05	7.07	0.247	0.23	1.6
YY09331		7.2	33.7	<0.002	0.08	0.75	10.8	1	0.8	105.0	0.42	<0.05	4.76	0.172	0.21	1.4
YY09332		5.2	21.9	<0.002	0.04	1.05	10.7	1	0.7	70.6	0.30	<0.05	3.07	0.134	0.15	0.8
YY09333		4.5	13.5	<0.002	0.02	0.66	9.8	1	0.4	50.6	0.27	<0.05	1.99	0.086	0.09	0.7
YY09334		8.8	37.9	<0.002	0.02	0.88	10.4	1	1.2	107.5	0.71	<0.05	7.60	0.268	0.25	1.9
YY09335		5.7	23.5	<0.002	0.06	0.72	11.7	<1	0.6	56.6	0.32	<0.05	3.78	0.141	0.16	1.0
YY09336		6.2	27.5	0.002	0.04	0.64	10.6	<1	0.8	69.0	0.42	<0.05	4.89	0.171	0.21	1.2
YY09337		6.0	25.3	<0.002	0.03	0.62	10.9	<1	0.7	65.4	0.41	<0.05	4.77	0.159	0.17	1.3
YY09338		8.1	35.9	<0.002	0.02	0.71	11.8	<1	1.2	106.0	0.64	<0.05	8.00	0.257	0.25	1.9
YY09339		7.9	36.9	<0.002	0.01	0.67	10.8	<1	1.2	115.0	0.69	<0.05	8.06	0.271	0.24	1.8
YY09340		9.3	43.0	<0.002	0.05	0.86	12.0	<1	1.3	96.9	0.67	<0.05	7.68	0.252	0.26	1.9
YY09341		7.2	33.8	<0.002	0.04	0.76	11.7	1	1.0	82.2	0.52	<0.05	6.16	0.205	0.23	1.6
YY09342		7.4	31.2	<0.002	0.03	0.75	11.5	<1	0.9	79.2	0.47	<0.05	5.91	0.206	0.19	1.6
YY09343		7.9	32.9	<0.002	0.05	0.85	11.7	<1	0.9	76.2	0.41	<0.05	5.57	0.178	0.25	1.5
YY09344		6.6	29.3	<0.002	0.07	0.76	10.6	1	0.8	61.4	0.39	<0.05	4.55	0.162	0.16	1.1
YY09345		8.2	34.5	<0.002	0.06	0.84	12.0	1	0.9	73.7	0.40	<0.05	4.74	0.173	0.25	1.5
YY09346		8.1	37.0	<0.002	0.03	0.81	11.8	1	1.1	105.5	0.57	<0.05	7.23	0.241	0.25	1.9
YY09347		7.4	33.7	<0.002	0.04	0.81	13.1	1	1.0	101.5	0.47	<0.05	6.00	0.199	0.23	1.8
YY09348		7.9	35.2	<0.002	0.03	0.71	11.8	1	1.1	114.5	0.56	<0.05	6.39	0.244	0.21	1.9
YY09349		8.5	40.2	<0.002	0.04	0.71	11.3	1	1.1	166.0	0.54	<0.05	6.62	0.257	0.26	1.8
YY09350		8.2	29.1	<0.002	0.04	0.72	11.5	1	0.9	105.0	0.49	<0.05	6.04	0.228	0.21	2.3
YY09351		7.4	30.3	<0.002	0.01	0.74	12.8	<1	1.0	123.0	0.43	<0.05	3.48	0.239	0.15	1.0
YY09352		8.9	34.5	<0.002	0.02	0.32	24.3	1	1.6	180.5	0.67	<0.05	4.96	0.540	0.23	1.3





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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
YY09313		158	1.4	14.0	81	51.1
YY09314		86	1.5	14.2	75	60.6
YY09315		67	0.9	9.0	79	43.9
YY09316		83	1.3	10.1	66	57.3
YY09317		106	2.0	12.6	76	47.1
YY09318		96	1.9	11.7	62	78.5
YY09319		92	2.5	9.6	68	53.1
YY09320		95	3.2	6.5	85	57.8
YY09321		104	1.3	13.4	117	53.9
YY09322		104	1.4	12.7	99	49.3
YY09323		120	1.4	20.0	133	60.0
YY09324		126	1.4	17.7	188	70.4
YY09325		156	1.2	19.5	159	69.2
YY09326		101	1.4	17.8	113	83.4
YY09327		100	1.3	14.8	127	60.0
YY09328		99	1.3	14.0	101	61.5
YY09329		73	1.4	11.4	82	54.9
YY09330		75	1.4	10.4	72	44.8
YY09331		59	1.3	7.7	83	44.8
YY09332		58	1.3	5.8	83	31.8
YY09333		48	1.0	3.8	57	18.9
YY09334		76	2.2	10.8	69	49.8
YY09335		65	1.3	5.9	93	28.3
YY09336		69	0.9	8.1	79	35.3
YY09337		67	0.9	7.9	78	33.4
YY09338		77	1.1	12.3	72	50.1
YY09339		82	0.9	12.8	71	47.1
YY09340		81	1.2	11.8	86	57.4
YY09341		74	1.1	10.0	88	43.7
YY09342		80	1.0	9.6	95	39.2
YY09343		70	1.7	8.7	89	38.6
YY09344		58	1.3	7.2	88	34.7
YY09345		68	1.1	9.7	74	38.4
YY09346		79	1.1	11.4	77	49.7
YY09347		72	1.1	11.4	76	43.1
YY09348		74	1.0	11.1	69	49.6
YY09349		77	1.1	11.8	77	56.4
YY09350		75	1.0	11.3	80	50.1
YY09351		94	1.6	7.2	79	47.4
YY09352		169	1.1	19.1	89	46.8



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09353		0.51	0.020	0.02	6.08	3.0	840	1.47	0.33	2.10	0.16	53.4	39.0	652	2.98	16.6
YY09354		0.46	0.002	0.03	2.29	4.2	290	0.49	0.09	1.09	0.22	19.30	177.5	2150	1.08	17.6
YY09355		0.42	0.001	0.03	3.48	4.6	460	0.77	0.11	1.07	0.23	38.2	106.5	1720	1.37	11.6
YY09356		0.43	<0.001	0.01	5.62	2.3	820	1.01	0.29	2.23	0.09	54.6	30.5	641	2.26	8.8
YY09357		0.61	<0.001	0.05	5.77	10.0	900	1.50	0.24	2.02	0.15	61.4	23.2	369	2.74	15.7
YY09358		0.49	0.002	0.06	3.18	5.2	400	0.75	0.11	1.02	0.15	24.7	116.5	1330	1.52	36.1
YY09359		0.47	0.020	0.04	3.70	6.7	510	0.91	0.11	1.42	0.17	34.7	98.8	1500	1.40	20.9
YY09360		0.54	<0.001	0.03	7.01	4.1	1150	1.97	0.24	3.05	0.11	63.4	26.5	252	2.37	39.9
YY09361		0.46	<0.001	0.01	3.58	4.5	440	0.82	0.12	1.25	0.23	26.3	91.4	1500	1.79	13.6
YY09362		0.47	<0.001	0.03	4.11	4.8	540	0.86	0.14	1.27	0.15	29.7	69.4	1340	1.74	15.7
YY09363		0.47	<0.001	0.07	4.61	4.9	560	0.92	0.18	1.46	0.20	34.8	64.8	1170	2.19	12.0
YY09364		0.43	<0.001	0.36	7.51	3.7	960	2.16	0.32	1.01	0.28	55.7	14.9	233	5.86	26.7
YY09365		0.41	<0.001	0.05	3.81	6.2	460	1.04	0.12	0.85	0.28	31.5	76.5	1340	2.76	14.1
YY09366		0.38	<0.001	0.02	2.72	7.3	310	0.57	0.09	0.72	0.14	24.1	123.0	2110	1.18	10.9
YY09367		0.38	0.001	0.42	6.01	5.6	730	1.78	0.18	1.72	0.48	56.3	24.7	265	3.77	42.8
YY09368		0.47	<0.001	0.28	3.32	12.3	390	0.96	0.12	0.99	0.31	32.4	85.0	1540	2.80	25.4
YY09369		0.43	0.001	0.24	5.83	4.1	740	1.62	0.22	1.54	0.37	53.2	40.8	452	4.32	31.7
YY09370		0.54	<0.001	0.05	5.97	2.8	830	1.86	0.22	1.59	0.17	61.4	22.9	512	2.74	12.9
YY09371		0.38	0.003	0.17	5.17	14.0	640	1.34	0.15	1.49	0.21	43.0	39.4	547	5.45	22.9
YY09372		0.53	<0.001	0.06	5.65	5.9	730	1.38	0.39	1.46	0.11	55.0	12.6	151	1.79	12.1
YY09373		0.50	<0.001	0.03	6.34	3.7	940	1.92	0.22	1.81	0.19	73.5	18.4	265	2.83	16.0
YY09374		0.49	<0.001	0.03	6.27	4.6	960	1.80	0.20	1.88	0.14	62.6	19.2	366	3.05	12.4
YY09375		0.43	<0.001	0.04	6.17	3.0	900	1.94	0.25	1.78	0.19	63.9	25.0	485	3.18	13.6
YY09376		0.51	0.002	0.05	6.01	1.9	970	1.95	0.20	2.07	0.20	67.2	35.7	538	2.71	29.2
YY09377		0.61	<0.001	0.13	5.11	12.8	670	1.57	0.18	2.08	0.14	46.8	38.7	932	2.67	20.3
YY09378		0.51	<0.001	0.08	6.54	3.0	1060	1.69	0.22	3.12	0.17	60.3	28.3	225	3.19	38.1
YY09379		0.49	<0.001	0.21	6.81	2.4	780	1.35	0.19	3.59	0.15	47.4	29.5	270	2.56	89.7
YY09380		0.43	<0.001	0.10	7.41	2.3	710	1.20	0.19	4.53	0.22	41.3	33.7	234	2.32	74.2
YY09381		0.46	<0.001	0.07	7.98	1.8	410	0.85	0.10	4.89	0.16	28.0	38.2	279	1.69	139.0
YY09382		0.49	<0.001	0.08	7.33	2.0	680	1.13	0.13	3.72	0.18	38.0	35.1	287	2.02	104.5
YY09383		0.49	<0.001	0.03	7.39	1.3	380	0.77	0.11	4.87	0.21	32.5	31.8	191	2.37	44.7
YY09384		0.48	<0.001	0.12	5.02	5.3	520	1.24	0.08	2.02	0.20	33.0	98.7	1500	2.54	73.5
YY09385		0.49	<0.001	0.11	5.81	4.1	960	1.55	0.26	2.32	0.35	54.6	49.5	590	4.58	62.5
YY09386		0.64	<0.001	0.07	5.54	2.7	880	1.49	0.25	2.30	0.21	52.8	66.5	883	3.32	51.1
YY09387		0.34	<0.001	0.09	6.87	1.0	860	1.36	0.22	3.55	0.14	52.3	26.6	178	4.14	119.5
YY09388		0.45	<0.001	0.09	7.52	2.1	690	1.25	0.17	4.47	0.18	42.3	33.1	226	3.31	134.5
YY09389		0.47	<0.001	0.13	7.01	1.1	1170	2.02	0.31	3.15	0.15	77.2	22.1	141	4.50	84.8
YY09390		0.46	<0.001	0.10	7.44	2.1	1340	1.74	0.24	2.71	0.22	58.3	23.8	179	3.95	66.7
YY09391		0.45	0.001	0.08	7.42	2.3	620	1.03	0.18	4.01	0.19	38.8	27.9	191	2.75	35.0
YY09392		0.49	0.002	0.10	7.06	1.4	1250	1.57	0.24	3.02	0.18	57.0	31.3	158	4.00	461



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY09353		5.37	16.75	0.12	2.2	0.054	1.72	24.8	24.7	4.67	728	0.84	1.26	14.8	455	310
YY09354		9.89	5.91	0.07	0.8	0.018	0.53	9.4	7.0	15.40	1800	0.55	0.49	4.3	2520	570
YY09355		7.45	8.77	0.09	1.4	0.025	0.89	17.8	11.8	11.35	1020	0.70	0.87	7.0	1405	400
YY09356		5.16	19.45	0.10	2.3	0.048	1.74	25.4	13.6	4.13	729	0.87	1.15	16.9	325	230
YY09357		4.10	14.55	0.12	2.3	0.051	1.76	30.0	19.8	3.39	661	0.42	1.20	14.6	355	650
YY09358		7.23	8.09	0.07	0.9	0.026	0.75	10.9	9.5	12.10	1240	0.45	0.66	6.4	1475	360
YY09359		7.07	9.39	0.08	1.0	0.033	0.93	15.6	11.3	10.10	1100	0.58	0.78	7.9	1270	430
YY09360		4.89	18.65	0.13	3.0	0.077	2.36	27.8	21.5	3.35	876	0.69	1.37	17.3	162.5	490
YY09361		6.80	8.79	0.07	0.9	0.033	0.80	12.5	11.7	10.95	885	0.47	0.68	7.3	1260	390
YY09362		5.97	10.45	0.10	1.4	0.031	1.05	14.9	13.2	9.37	901	0.65	0.95	7.6	1185	530
YY09363		6.29	11.85	0.08	1.2	0.039	1.06	16.1	15.5	7.60	760	0.84	0.93	9.6	844	200
YY09364		5.55	23.2	0.10	2.3	0.080	1.72	27.1	44.0	1.72	562	3.90	0.82	16.4	101.5	380
YY09365		6.51	9.36	0.10	1.2	0.032	0.84	15.3	19.2	10.35	820	0.75	0.73	6.9	1380	370
YY09366		7.45	6.26	0.09	0.9	0.023	0.60	11.8	8.3	12.50	912	1.55	0.65	3.7	1620	250
YY09367		3.67	14.35	0.12	1.9	0.052	1.37	29.3	26.6	3.07	658	2.38	1.12	9.4	318	670
YY09368		5.85	7.88	0.09	1.0	0.029	0.70	16.6	13.7	11.50	961	1.31	0.56	5.3	1530	540
YY09369		4.29	14.35	0.12	1.8	0.049	1.31	28.8	26.9	4.78	797	1.55	1.05	10.2	588	670
YY09370		3.53	13.05	0.11	1.4	0.050	1.65	29.8	20.2	3.18	574	0.67	1.29	12.7	421	340
YY09371		4.06	12.25	0.10	1.7	0.030	1.30	23.5	18.9	5.87	616	1.15	1.14	8.3	696	960
YY09372		2.92	12.20	0.14	1.6	0.044	1.55	28.3	17.5	1.22	478	0.67	1.41	11.9	84.1	250
YY09373		3.63	14.35	0.16	1.6	0.056	1.72	37.6	24.2	1.94	589	0.90	1.41	13.3	141.0	430
YY09374		3.57	15.00	0.13	1.4	0.051	1.83	31.3	24.4	2.59	596	0.53	1.51	14.0	216	370
YY09375		4.35	14.60	0.17	1.5	0.058	1.71	32.4	27.9	2.84	617	1.11	1.36	13.8	280	350
YY09376		4.18	14.00	0.14	1.3	0.048	1.92	31.1	21.0	4.12	827	0.44	1.37	13.0	451	440
YY09377		4.22	11.70	0.14	1.0	0.046	1.39	24.7	19.5	6.67	560	0.32	1.20	10.0	693	690
YY09378		4.90	15.45	0.16	1.5	0.060	1.80	30.1	24.3	2.70	938	0.70	1.42	13.5	164.5	690
YY09379		4.82	15.05	0.14	1.4	0.054	1.43	24.7	23.7	3.22	1050	0.82	1.52	11.3	151.0	750
YY09380		5.52	16.90	0.14	1.1	0.062	1.20	21.1	28.7	3.63	974	0.81	1.73	11.4	95.5	460
YY09381		5.97	16.10	0.12	0.8	0.065	0.74	13.4	22.1	3.83	963	0.50	1.72	8.8	133.0	400
YY09382		5.86	15.55	0.12	0.9	0.055	1.20	17.6	23.1	3.71	964	0.39	1.58	12.7	175.5	670
YY09383		6.69	19.25	0.13	1.4	0.070	0.72	15.8	16.9	4.09	1020	0.71	1.89	12.4	69.7	390
YY09384		6.89	10.95	0.11	0.7	0.043	0.68	21.6	11.9	9.12	1050	0.74	1.64	6.9	1045	580
YY09385		5.19	15.00	0.15	1.8	0.064	1.76	32.9	22.6	4.86	1140	0.53	1.08	13.4	600	650
YY09386		5.33	13.75	0.11	1.5	0.058	1.69	26.4	23.4	6.70	1000	0.48	1.11	13.7	786	440
YY09387		4.75	16.70	0.13	1.7	0.062	1.66	25.5	28.5	2.39	826	0.83	1.46	12.6	81.1	600
YY09388		5.62	17.15	0.13	1.1	0.061	1.17	21.4	24.2	3.20	1010	0.67	1.52	11.1	104.0	870
YY09389		4.27	18.00	0.18	2.1	0.068	2.30	38.9	29.5	2.11	827	0.90	1.27	16.9	64.5	740
YY09390		5.95	20.0	0.16	1.3	0.075	1.63	33.1	23.2	2.51	935	0.85	1.12	15.4	77.9	560
YY09391		6.65	18.25	0.14	1.2	0.073	1.06	19.5	17.8	3.14	1000	0.79	1.61	13.3	70.8	390
YY09392		5.80	18.10	0.17	1.6	0.074	1.84	28.4	28.0	2.86	982	0.92	1.37	14.6	76.8	580



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09353		13.3	68.1	<0.002	0.01	0.49	16.3	1	2.6	147.0	1.03	<0.05	7.29	0.466	0.33	2.0
YY09354		4.9	24.4	<0.002	0.03	0.72	12.8	1	0.7	80.5	0.28	<0.05	3.07	0.132	0.14	0.9
YY09355		7.2	36.0	<0.002	0.01	0.92	10.7	<1	1.0	136.0	0.50	<0.05	5.22	0.224	0.20	1.4
YY09356		13.0	59.2	<0.002	0.01	0.53	17.0	<1	3.0	124.5	1.15	<0.05	7.52	0.573	0.35	1.9
YY09357		13.2	66.7	<0.002	0.02	0.47	15.5	1	2.6	140.0	1.10	<0.05	9.71	0.438	0.33	2.1
YY09358		6.0	34.1	<0.002	0.01	2.74	13.4	<1	1.0	88.6	0.44	<0.05	3.45	0.217	0.17	1.0
YY09359		7.3	39.0	<0.002	0.02	2.20	15.6	<1	1.3	95.5	0.55	<0.05	4.45	0.283	0.19	1.1
YY09360		15.1	66.8	<0.002	<0.01	0.39	22.3	<1	3.3	149.5	1.10	<0.05	8.84	0.559	0.43	2.3
YY09361		6.6	38.4	<0.002	0.01	0.57	12.6	<1	1.4	83.9	0.47	<0.05	3.65	0.250	0.18	1.0
YY09362		7.4	41.4	<0.002	0.02	0.53	12.1	1	1.2	151.0	0.53	<0.05	4.77	0.253	0.23	1.3
YY09363		10.4	65.8	<0.002	0.01	0.68	13.7	1	1.5	117.0	0.66	<0.05	4.52	0.323	0.27	1.2
YY09364		21.5	93.4	<0.002	0.04	0.42	16.6	2	3.0	129.5	1.18	0.10	9.43	0.521	0.59	2.2
YY09365		7.5	46.6	<0.002	0.02	0.53	11.9	<1	1.1	119.0	0.46	<0.05	4.42	0.230	0.22	1.1
YY09366		5.0	25.5	<0.002	0.02	0.68	9.5	<1	0.5	111.0	0.26	<0.05	3.59	0.130	0.13	1.0
YY09367		13.1	55.2	<0.002	0.03	0.46	12.8	1	1.6	200	0.70	0.07	8.16	0.345	0.46	2.4
YY09368		7.0	32.9	<0.002	0.03	0.59	12.0	1	0.9	92.8	0.39	<0.05	4.94	0.200	0.27	1.6
YY09369		12.6	58.4	<0.002	0.04	0.42	14.3	1	1.9	160.0	0.72	0.08	8.02	0.340	0.47	2.5
YY09370		14.5	63.6	<0.002	0.01	0.40	12.4	1	2.2	167.0	0.92	<0.05	8.96	0.354	0.43	2.0
YY09371		9.5	58.1	0.005	0.09	0.61	10.8	4	1.4	201	0.59	0.05	7.11	0.243	0.44	2.8
YY09372		15.6	66.2	<0.002	0.01	0.77	10.4	<1	2.0	196.0	0.90	0.07	8.31	0.317	0.39	2.0
YY09373		15.5	67.0	<0.002	0.01	0.40	14.1	<1	2.3	181.5	0.98	0.05	11.75	0.387	0.44	2.3
YY09374		15.0	77.9	<0.002	0.01	0.30	14.2	<1	2.6	182.0	1.04	0.07	8.99	0.389	0.45	2.0
YY09375		15.5	65.1	<0.002	0.01	0.32	14.2	<1	2.5	173.0	1.22	0.05	9.92	0.386	0.38	2.1
YY09376		15.1	70.0	<0.002	0.01	0.28	15.3	<1	2.4	172.0	0.93	<0.05	10.65	0.366	0.48	2.5
YY09377		11.1	58.1	<0.002	0.04	0.33	15.5	1	2.0	157.0	0.76	<0.05	8.85	0.305	0.36	4.3
YY09378		12.8	67.4	<0.002	0.03	0.25	21.9	1	2.3	157.5	0.90	<0.05	9.28	0.521	0.39	2.2
YY09379		9.1	56.8	0.002	0.02	0.31	25.3	<1	1.9	162.0	0.78	<0.05	7.07	0.498	0.32	2.1
YY09380		8.4	44.7	<0.002	0.02	0.27	33.0	<1	1.8	175.0	0.75	0.05	5.22	0.583	0.30	1.5
YY09381		6.1	17.3	<0.002	0.02	0.30	33.3	<1	1.2	147.0	0.59	<0.05	3.45	0.539	0.16	0.9
YY09382		8.1	29.9	<0.002	0.01	0.38	28.4	<1	1.6	167.0	0.84	<0.05	4.94	0.611	0.27	1.2
YY09383		5.7	33.7	<0.002	0.01	0.33	37.9	<1	1.5	127.0	0.79	<0.05	3.57	0.841	0.15	1.0
YY09384		7.2	55.6	<0.002	0.02	0.54	18.8	<1	0.9	235	0.45	<0.05	4.24	0.312	0.19	1.4
YY09385		13.1	73.7	<0.002	0.04	0.43	20.5	<1	2.6	121.5	0.88	<0.05	8.44	0.422	0.45	2.2
YY09386		12.1	66.8	<0.002	0.01	0.37	18.8	<1	2.5	122.0	0.97	<0.05	8.64	0.408	0.40	1.6
YY09387		10.5	75.7	<0.002	0.03	0.31	24.7	1	2.2	177.0	0.84	<0.05	7.68	0.535	0.42	1.9
YY09388		7.9	52.6	<0.002	0.04	0.38	27.7	1	1.6	159.5	0.75	<0.05	5.47	0.572	0.31	1.4
YY09389		14.9	92.1	<0.002	0.04	0.26	20.3	<1	3.2	148.0	1.22	0.05	13.55	0.482	0.54	2.5
YY09390		14.2	74.3	<0.002	0.02	0.34	25.8	1	2.4	116.5	1.02	0.11	8.01	0.612	0.35	1.7
YY09391		8.2	47.9	<0.002	0.01	0.34	30.6	1	1.8	137.5	0.87	0.07	5.04	0.668	0.25	1.2
YY09392		12.8	65.7	<0.002	0.03	0.20	25.5	1	2.5	138.5	0.98	<0.05	8.55	0.571	0.37	1.8



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		1	0.1	0.1	2	0.5
YY09353		126	1.8	16.2	84	79.8
YY09354		70	1.3	5.5	75	33.4
YY09355		78	1.6	8.0	74	51.1
YY09356		162	1.9	15.9	53	88.4
YY09357		107	1.8	20.9	72	85.4
YY09358		84	3.0	7.4	81	34.3
YY09359		99	3.1	11.4	80	39.5
YY09360		153	1.7	25.2	78	122.5
YY09361		88	1.7	7.9	103	35.3
YY09362		82	1.5	8.7	75	49.8
YY09363		107	1.6	10.1	69	43.1
YY09364		136	1.9	12.9	105	84.7
YY09365		74	1.6	6.6	67	49.7
YY09366		65	1.4	4.3	74	33.7
YY09367		123	1.3	17.1	118	65.6
YY09368		91	1.7	10.1	92	36.3
YY09369		104	1.5	17.3	113	56.9
YY09370		81	1.2	14.5	56	49.9
YY09371		71	2.0	12.4	75	58.1
YY09372		72	1.3	13.5	48	55.1
YY09373		90	1.4	18.2	65	53.7
YY09374		94	5.9	16.8	65	49.6
YY09375		96	1.4	16.8	73	47.5
YY09376		94	1.3	18.6	68	43.0
YY09377		87	1.1	15.3	76	33.9
YY09378		142	1.2	23.4	81	60.2
YY09379		144	1.0	21.2	81	46.7
YY09380		192	1.0	22.3	84	35.7
YY09381		198	0.7	18.9	77	22.7
YY09382		183	0.8	20.4	85	25.1
YY09383		263	0.7	25.0	83	33.2
YY09384		115	1.1	17.2	85	22.5
YY09385		127	1.6	22.0	89	66.8
YY09386		118	1.5	18.6	96	56.5
YY09387		146	1.1	21.1	81	62.2
YY09388		177	1.0	20.8	92	36.5
YY09389		129	1.6	24.3	81	78.7
YY09390		198	1.2	21.2	96	47.9
YY09391		217	0.9	22.3	80	48.1
YY09392		175	2.3	30.4	102	53.6



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09393		0.41	0.002	0.15	7.53	1.3	1280	1.86	0.26	2.30	0.13	68.9	24.4	173	6.39	125.5
YY09394		0.41	<0.001	0.09	6.90	1.4	1290	1.32	0.35	3.33	0.12	49.4	19.9	224	4.26	19.2
YY09395		0.47	<0.001	0.06	7.86	2.4	380	0.87	0.07	4.65	0.16	27.5	45.6	255	3.47	150.0
YY09396		0.51	<0.001	0.14	7.21	3.9	870	1.37	0.18	3.18	0.15	54.8	26.8	289	2.94	71.7
YY09397		0.47	<0.001	0.04	6.91	4.7	860	1.27	0.21	3.11	0.17	58.2	29.8	405	3.48	32.3
YY09398		0.50	<0.001	0.04	2.53	8.4	300	0.57	0.09	0.94	0.19	24.7	103.0	2040	2.44	12.6
YY09399		0.52	0.001	0.02	4.88	6.1	600	1.10	0.13	1.75	0.20	49.1	57.7	904	2.18	25.1
YY09400		0.49	<0.001	0.04	5.42	4.4	650	1.12	0.18	1.78	0.22	44.5	57.2	925	2.27	24.3
YY09401		0.36	<0.001	0.03	1.79	5.4	230	0.48	0.08	0.66	0.19	26.5	120.5	2770	0.76	19.0
YY09402		0.44	0.001	0.07	2.29	8.7	310	0.77	0.11	0.72	0.18	36.9	91.7	1850	1.21	18.5
YY09403		0.44	<0.001	0.03	2.32	5.3	320	0.74	0.12	0.77	0.18	39.4	89.1	978	1.05	15.5
YY09404		0.53	<0.001	0.04	2.73	4.9	380	0.77	0.12	1.05	0.23	40.2	79.0	1900	1.11	20.0
YY09405		0.40	<0.001	0.04	2.91	5.7	370	0.70	0.12	0.93	0.25	29.6	88.4	1610	1.37	20.4
YY09406		0.49	0.001	0.05	2.50	5.2	310	0.59	0.12	0.84	0.24	26.3	77.6	2010	1.48	21.7
YY09407		0.44	<0.001	0.04	2.26	5.8	320	0.69	0.10	0.75	0.30	35.5	101.0	1830	1.13	21.0
YY09408		0.41	0.005	0.05	2.66	5.1	360	0.70	0.18	0.88	0.23	41.1	86.2	1670	1.24	24.5
YY09409		0.45	0.001	0.03	1.97	5.4	270	0.55	0.10	0.56	0.27	26.3	113.0	1480	1.13	17.9
YY09410		0.41	0.001	0.06	1.71	3.6	230	0.45	0.09	0.44	0.17	23.9	104.0	1210	0.87	15.2
YY09411		0.41	<0.001	0.04	4.45	6.4	640	1.18	0.17	1.03	0.25	65.1	68.9	777	1.90	19.6
YY09412		0.38	0.001	0.04	4.17	6.0	610	1.06	0.14	0.99	0.30	59.6	58.7	819	1.87	16.7
YY09413		0.48	<0.001	0.04	3.87	6.5	490	0.92	0.14	1.31	0.26	47.1	85.2	1130	1.78	21.2
YY09414		0.42	0.002	0.04	3.80	6.5	530	1.01	0.15	1.17	0.15	51.8	61.6	1000	1.87	21.0
YY09415		0.30	0.001	0.06	4.01	5.1	540	0.90	0.13	0.98	0.20	36.0	56.9	625	1.99	21.2
YY09416		0.41	0.004	0.04	5.36	6.6	770	1.36	0.19	1.15	0.27	75.2	46.0	406	3.10	18.4
YY09417		0.32	0.004	0.05	4.03	4.6	530	1.00	0.13	1.44	0.24	41.1	57.6	894	1.90	24.7
YY09418		0.40	<0.001	0.06	4.73	5.1	630	1.13	0.18	1.41	0.21	54.0	66.6	1110	1.89	18.1
YY09419		0.43	0.003	0.04	3.33	6.2	440	0.71	0.12	1.17	0.20	47.6	76.0	1520	1.72	27.2
YY09420		0.44	0.004	0.07	4.90	5.0	650	1.20	0.14	1.52	0.18	66.8	42.3	884	1.97	27.7
YY09421		0.37	0.004	0.05	3.47	5.0	470	0.88	0.12	1.21	0.18	47.5	66.3	1110	1.66	28.3
YY09422		0.34	<0.001	0.04	3.81	5.3	550	0.91	0.12	1.56	0.17	54.0	68.5	1020	1.86	26.4
YY09423		0.44	<0.001	0.05	2.86	3.8	350	0.60	0.08	1.51	0.14	35.4	89.6	1280	1.26	84.9
YY09424		0.47	<0.001	0.04	4.04	6.2	470	0.95	0.09	0.65	0.12	45.8	65.2	966	2.79	28.0
YY09425		0.37	<0.001	0.06	7.20	1.2	760	1.21	0.07	3.23	0.12	27.1	36.4	334	5.52	62.8
YY09426		0.49	<0.001	0.04	7.86	4.2	460	0.76	0.03	5.09	0.23	17.55	55.2	232	3.11	121.0
YY09427		0.40	<0.001	0.05	8.19	1.4	510	0.90	0.07	5.07	0.21	26.0	44.1	256	3.68	118.5
YY09428		0.36	<0.001	0.05	8.04	1.2	260	0.70	0.05	5.93	0.16	24.0	44.5	239	3.04	144.0
YY09429		0.36	<0.001	0.04	8.28	1.2	200	0.61	0.03	6.50	0.17	17.45	44.6	228	2.25	131.5
YY09430		0.32	<0.001	0.14	7.14	1.1	350	0.84	0.09	4.88	0.19	31.6	33.9	204	4.07	104.5
YY09431		0.54	<0.001	0.03	1.40	4.8	160	0.54	0.07	1.38	0.13	15.30	117.5	1510	1.99	8.1
YY09432		0.53	<0.001	0.02	4.14	6.8	570	0.99	0.16	0.76	0.21	46.2	85.7	997	2.11	18.3



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09393		5.23	20.0	0.15	1.4	0.073	1.40	34.6	31.0	2.34	725	0.77	1.16	14.0	92.5	450
YY09394		4.52	20.4	0.15	2.4	0.065	1.69	24.7	15.9	2.41	793	0.95	1.37	17.2	60.5	260
YY09395		7.55	18.75	0.11	0.7	0.064	0.63	10.5	34.5	3.92	992	0.46	1.75	8.2	142.5	440
YY09396		5.13	16.15	0.15	1.3	0.057	1.09	28.6	36.5	3.15	813	0.61	1.73	12.4	232	770
YY09397		5.29	17.95	0.16	1.6	0.057	1.30	29.7	20.7	3.77	802	0.83	1.54	13.5	216	410
YY09398		7.64	6.68	0.11	0.8	0.022	0.45	12.4	9.2	14.35	1030	0.40	0.47	4.9	1730	560
YY09399		5.89	10.80	0.14	1.4	0.042	0.97	24.6	15.4	8.74	869	0.60	1.22	9.4	1185	540
YY09400		5.76	12.80	0.13	1.8	0.039	1.22	22.6	17.6	7.61	786	0.80	1.37	9.1	978	550
YY09401		8.30	4.07	0.08	0.6	0.019	0.39	11.6	5.4	18.20	1180	0.31	0.35	3.7	2180	330
YY09402		6.59	5.48	0.07	1.0	0.020	0.54	19.5	7.7	14.65	1020	0.77	0.50	6.2	1795	400
YY09403		5.96	5.63	0.06	1.0	0.022	0.56	20.5	7.9	16.45	959	0.56	0.54	6.6	1820	230
YY09404		6.30	6.58	0.08	1.2	0.022	0.65	21.5	8.7	13.40	856	0.56	0.64	7.5	1550	310
YY09405		6.74	6.97	0.06	1.1	0.023	0.67	15.7	9.5	13.95	955	0.54	0.67	5.7	1730	580
YY09406		6.66	6.23	0.06	1.0	0.022	0.57	13.7	9.2	14.75	781	0.53	0.49	5.4	1710	640
YY09407		6.56	5.47	0.07	0.9	0.019	0.52	18.6	8.0	16.05	1140	0.47	0.48	5.7	1845	390
YY09408		6.41	6.38	0.07	1.2	0.024	0.61	21.2	8.9	14.50	982	0.53	0.61	6.9	1730	430
YY09409		7.22	4.99	0.06	0.9	0.020	0.46	13.7	7.6	18.15	1220	0.50	0.39	5.6	2230	520
YY09410		6.29	4.30	0.07	0.8	0.017	0.41	12.5	6.8	20.1	992	0.49	0.38	4.4	2310	280
YY09411		5.56	10.65	0.09	1.9	0.036	1.07	32.1	15.7	8.24	944	0.82	1.09	11.6	1075	390
YY09412		5.00	9.62	0.09	1.7	0.031	0.97	30.2	14.3	7.68	830	0.71	1.03	11.1	942	500
YY09413		6.25	9.34	0.08	1.5	0.031	0.83	22.5	13.9	11.25	1060	0.73	0.89	8.7	1385	420
YY09414		5.09	8.88	0.08	1.5	0.029	0.88	25.8	13.4	10.50	783	0.78	0.88	9.4	1120	360
YY09415		4.54	9.24	0.08	1.6	0.021	0.99	19.7	13.6	9.75	768	0.69	1.02	7.1	1195	590
YY09416		4.53	12.25	0.11	2.2	0.043	1.26	36.7	19.7	4.62	816	0.86	1.28	13.5	688	450
YY09417		5.18	9.30	0.09	1.5	0.031	0.90	22.0	12.9	9.48	842	0.58	1.00	8.5	1085	660
YY09418		5.70	11.25	0.09	2.0	0.028	1.14	27.4	14.9	7.12	951	0.82	1.30	10.3	893	580
YY09419		6.79	7.73	0.10	1.2	0.026	0.70	24.9	10.7	12.40	898	0.58	0.77	8.0	1500	480
YY09420		5.36	11.45	0.11	2.1	0.034	1.14	34.8	15.2	6.93	758	0.73	1.31	11.4	894	450
YY09421		5.85	8.01	0.09	1.4	0.029	0.79	25.0	11.2	10.90	875	0.58	0.83	8.4	1250	430
YY09422		6.04	8.69	0.10	1.5	0.035	0.85	27.5	11.1	9.46	975	0.59	0.96	9.5	1035	340
YY09423		6.85	6.49	0.07	0.9	0.026	0.50	18.2	7.9	13.70	1190	0.45	0.70	7.1	1375	280
YY09424		5.53	9.74	0.08	1.3	0.027	0.53	24.4	11.6	10.60	822	0.44	1.41	8.8	1255	360
YY09425		5.64	16.45	0.08	0.7	0.050	0.86	12.4	23.8	3.17	933	0.61	1.96	12.1	283	880
YY09426		7.09	16.75	0.10	0.4	0.058	0.64	7.4	19.8	4.21	1220	0.40	1.70	9.5	127.0	590
YY09427		6.60	16.95	0.10	0.8	0.059	0.52	11.5	20.2	3.79	1130	0.43	1.78	9.7	138.5	770
YY09428		7.00	16.75	0.11	0.7	0.066	0.43	11.0	19.1	3.87	1130	0.62	1.77	10.1	112.0	640
YY09429		7.09	15.85	0.11	0.5	0.060	0.30	7.4	20.5	4.42	1180	0.40	1.77	8.3	109.5	470
YY09430		6.36	17.60	0.09	1.1	0.062	0.56	15.3	12.2	3.02	1240	0.60	1.54	11.9	66.7	1880
YY09431		5.77	3.08	0.06	0.4	0.011	0.25	7.6	4.3	15.80	978	0.26	0.23	2.7	2310	220
YY09432		6.22	9.61	0.09	1.5	0.031	0.95	23.2	15.3	8.76	1090	0.79	0.84	9.2	1290	470





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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09393		19.2	90.0	<0.002	0.02	0.30	23.2	<1	2.2	119.5	0.91	0.13	8.52	0.556	0.44	1.8
YY09394		13.0	68.4	<0.002	0.01	0.37	25.1	1	3.3	152.5	1.11	<0.05	6.53	0.680	0.33	2.0
YY09395		4.8	10.8	<0.002	0.01	0.31	36.8	1	1.0	215	0.53	<0.05	2.34	0.832	0.16	1.0
YY09396		11.6	45.2	<0.002	0.02	0.42	23.6	1	1.6	203	0.91	<0.05	7.65	0.555	0.32	2.0
YY09397		11.9	67.9	<0.002	0.01	0.52	24.1	<1	1.8	170.0	0.89	0.05	8.21	0.562	0.32	1.7
YY09398		7.5	25.5	<0.002	0.02	0.86	12.9	1	0.7	63.7	0.35	<0.05	3.64	0.145	0.15	1.0
YY09399		8.2	44.0	<0.002	0.03	0.75	17.1	<1	1.3	154.0	0.67	<0.05	7.39	0.344	0.25	1.6
YY09400		8.7	44.2	<0.002	0.02	0.74	13.9	<1	1.3	220	0.62	0.05	6.06	0.365	0.26	1.6
YY09401		4.4	17.5	<0.002	0.02	0.46	10.7	1	0.6	47.6	0.28	<0.05	4.08	0.119	0.13	0.9
YY09402		6.6	28.6	<0.002	0.02	0.75	10.2	<1	0.8	69.9	0.45	<0.05	6.51	0.162	0.18	1.5
YY09403		5.9	27.8	<0.002	0.01	0.56	8.9	<1	0.8	75.1	0.53	<0.05	5.86	0.178	0.16	1.4
YY09404		6.6	31.8	<0.002	0.01	0.59	11.3	<1	1.0	90.9	0.60	<0.05	6.34	0.205	0.19	1.7
YY09405		6.0	30.7	<0.002	0.03	0.54	11.3	<1	0.8	118.5	0.44	<0.05	4.64	0.165	0.19	1.4
YY09406		5.9	30.8	<0.002	0.05	0.53	11.0	1	0.7	78.2	0.39	<0.05	4.29	0.146	0.17	1.2
YY09407		5.6	27.9	<0.002	0.02	0.65	11.0	<1	0.8	64.6	0.42	<0.05	5.31	0.159	0.16	1.4
YY09408		6.7	29.0	<0.002	0.02	0.61	10.7	<1	0.9	99.8	0.58	<0.05	6.61	0.207	0.20	1.7
YY09409		5.0	24.5	<0.002	0.03	0.46	9.7	<1	0.7	56.6	0.41	<0.05	3.81	0.132	0.15	1.0
YY09410		5.2	19.9	<0.002	0.02	0.40	8.2	<1	0.5	57.4	0.30	<0.05	3.64	0.123	0.12	1.0
YY09411		10.2	50.6	<0.002	0.02	0.86	12.1	1	1.5	151.5	0.88	<0.05	10.15	0.302	0.30	2.3
YY09412		9.0	46.6	<0.002	0.04	0.79	11.6	<1	1.3	146.0	0.82	<0.05	8.66	0.300	0.31	2.0
YY09413		8.0	38.1	<0.002	0.02	0.69	12.6	<1	1.0	145.0	0.61	<0.05	6.43	0.276	0.25	1.7
YY09414		8.4	44.1	<0.002	0.03	0.71	11.8	1	1.3	127.0	0.73	<0.05	7.84	0.276	0.30	1.9
YY09415		7.6	42.9	<0.002	0.04	0.65	10.0	<1	0.9	168.5	0.51	<0.05	5.64	0.199	0.28	1.7
YY09416		11.8	60.9	<0.002	0.03	1.01	12.9	<1	1.6	183.0	1.06	<0.05	10.65	0.361	0.40	2.4
YY09417		7.4	41.4	<0.002	0.03	0.59	12.0	<1	1.1	170.0	0.61	<0.05	6.48	0.269	0.26	1.7
YY09418		8.6	47.0	<0.002	0.02	0.68	11.3	<1	1.2	226	0.83	<0.05	7.89	0.315	0.28	2.2
YY09419		6.7	33.5	<0.002	0.03	0.74	13.1	<1	1.0	113.0	0.57	<0.05	6.77	0.263	0.20	1.7
YY09420		9.3	48.3	<0.002	0.02	0.79	13.1	<1	1.4	209	0.82	<0.05	9.37	0.379	0.28	2.4
YY09421		6.9	37.2	<0.002	0.03	0.86	12.6	1	1.1	120.0	0.63	<0.05	6.75	0.272	0.21	1.6
YY09422		7.6	40.5	<0.002	0.03	0.85	14.0	1	1.2	134.5	0.70	<0.05	8.14	0.305	0.23	1.9
YY09423		5.0	23.5	<0.002	0.02	0.59	14.6	1	0.7	88.7	0.52	<0.05	4.84	0.300	0.14	1.2
YY09424		6.0	28.6	<0.002	0.05	0.96	12.4	1	1.1	84.7	0.64	<0.05	6.97	0.239	0.22	1.4
YY09425		6.9	24.5	<0.002	0.03	0.17	23.6	<1	1.0	300	0.74	<0.05	3.31	0.529	0.24	0.9
YY09426		2.0	11.9	<0.002	0.02	0.29	31.8	1	0.8	132.0	0.60	<0.05	1.10	0.797	0.26	0.5
YY09427		4.3	18.1	<0.002	0.04	0.23	33.1	<1	1.0	159.5	0.62	<0.05	2.45	0.727	0.15	0.7
YY09428		2.7	11.9	<0.002	0.04	0.24	36.8	<1	0.9	160.5	0.65	<0.05	1.98	0.812	0.10	0.7
YY09429		1.5	6.2	<0.002	0.02	0.17	37.2	1	0.8	133.0	0.53	<0.05	1.14	0.838	0.07	0.5
YY09430		4.7	38.5	<0.002	0.06	0.30	33.8	1	1.2	172.0	0.78	<0.05	3.25	0.726	0.14	0.9
YY09431		3.8	13.0	<0.002	0.01	0.41	12.0	<1	0.4	47.8	0.19	<0.05	2.06	0.081	0.09	0.5
YY09432		9.0	47.9	<0.002	0.03	0.78	13.6	<1	1.3	112.5	0.64	<0.05	7.17	0.257	0.29	1.8





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Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09393		182	1.0	18.1	107	47.0
YY09394		180	1.8	19.6	69	93.9
YY09395		239	0.5	20.7	106	17.8
YY09396		163	1.1	19.8	92	42.4
YY09397		174	1.4	16.6	94	72.6
YY09398		70	1.4	6.4	79	24.9
YY09399		109	1.4	13.7	74	41.9
YY09400		105	1.3	10.7	79	73.9
YY09401		69	0.7	6.1	79	22.2
YY09402		65	0.8	8.8	68	32.3
YY09403		54	0.8	8.9	60	35.5
YY09404		73	0.8	10.0	72	46.7
YY09405		66	0.8	7.9	81	44.7
YY09406		66	0.8	7.6	89	37.3
YY09407		65	1.2	8.0	79	46.1
YY09408		69	1.2	10.0	77	41.9
YY09409		51	1.0	6.9	80	33.1
YY09410		43	1.2	6.2	61	35.4
YY09411		83	1.5	13.7	69	63.8
YY09412		76	1.4	12.5	62	62.6
YY09413		86	1.0	10.4	77	50.9
YY09414		77	1.2	12.7	67	51.2
YY09415		56	1.0	10.0	62	61.9
YY09416		90	1.4	17.1	69	71.1
YY09417		74	1.1	11.6	76	53.0
YY09418		81	1.7	12.4	70	75.7
YY09419		84	1.1	12.1	75	41.0
YY09420		94	1.4	17.0	76	71.9
YY09421		81	1.3	12.3	67	48.3
YY09422		88	1.7	12.9	67	52.5
YY09423		88	1.6	10.8	87	32.1
YY09424		77	0.8	9.4	59	45.8
YY09425		177	0.4	16.2	100	23.3
YY09426		241	0.4	20.4	97	8.8
YY09427		216	0.9	21.8	100	21.0
YY09428		230	0.5	36.2	93	15.6
YY09429		242	0.3	25.0	87	9.7
YY09430		218	0.6	23.8	101	41.0
YY09431		47	0.7	3.9	49	15.4
YY09432		86	1.1	11.7	72	50.5



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY09433		0.54	<0.001	0.03	3.92	9.2	560	1.11	0.15	1.35	0.25	56.5	82.2	879	1.77	15.9
YY09434		0.50	0.002	0.05	3.81	11.7	540	0.83	0.14	0.86	0.23	55.1	91.9	641	2.49	18.0
YY09435		0.49	<0.001	0.04	4.91	6.6	740	1.33	0.19	1.30	0.26	79.4	59.8	547	2.34	14.5
YY09436		0.47	0.005	0.08	4.13	7.3	600	1.03	0.14	0.93	0.18	49.0	62.8	420	2.48	25.9
YY09437		0.46	0.001	0.08	3.76	7.4	560	0.91	0.14	1.11	0.19	47.4	90.8	815	3.12	15.6
YY09438		0.62	<0.001	0.04	2.06	5.9	280	0.72	0.10	0.60	0.16	25.6	102.5	1310	2.25	10.1
YY09439		0.59	0.005	0.03	3.63	6.2	530	0.91	0.11	1.19	0.22	53.4	63.8	1090	1.82	16.7
YY09440		0.58	<0.001	0.04	4.65	8.7	660	1.15	0.15	1.11	0.24	51.5	60.3	717	2.31	17.3
YY09441		0.62	0.008	0.07	3.49	8.9	510	0.80	0.11	0.76	0.13	41.9	81.0	675	1.59	15.8
YY09442		0.50	<0.001	0.04	4.05	6.4	600	0.98	0.15	0.93	0.14	53.6	65.2	799	1.94	17.9
YY09443		0.52	<0.001	0.04	4.92	2.0	2340	3.33	0.05	0.74	0.16	65.8	136.5	2380	24.4	13.4
YY09444		0.54	<0.001	0.03	4.64	5.5	710	1.25	0.17	0.91	0.15	61.1	70.0	674	2.77	15.8
YY09445		0.56	<0.001	0.03	7.01	14.4	1130	2.02	0.11	1.62	0.10	68.8	28.8	205	6.27	27.5
YY09446		0.59	<0.001	0.05	8.35	1.0	890	1.78	0.09	2.38	0.05	47.5	23.4	77	12.25	115.5
YY09447		0.67	<0.001	0.04	8.32	0.8	290	0.79	0.03	6.11	0.10	21.2	46.0	179	9.72	114.0
YY09448		0.63	0.001	0.21	7.25	0.9	310	0.37	0.04	3.35	0.65	17.30	26.4	169	0.98	347
YY09449		0.53	<0.001	0.11	7.44	2.5	270	0.57	0.07	4.61	0.28	24.9	27.3	177	2.87	126.0
YY09450		0.62	<0.001	0.06	7.62	1.1	340	0.85	0.03	4.57	0.60	15.85	86.6	160	3.40	382
YY09451		0.46	0.004	0.05	5.11	7.1	670	1.03	0.16	1.38	0.24	57.6	43.5	698	2.58	21.9
YY09452		0.46	<0.001	0.04	3.87	5.3	540	0.87	0.15	1.16	0.21	55.6	82.7	1250	1.92	18.7
YY09453		0.58	<0.001	0.07	4.42	4.5	570	0.82	0.14	1.55	0.17	40.0	48.0	832	2.13	22.4
YY09454		0.48	<0.001	0.05	4.22	5.2	590	1.01	0.14	1.47	0.21	59.8	54.6	885	1.89	25.8
YY09455		0.52	<0.001	0.04	4.04	5.4	560	0.97	0.14	1.49	0.19	55.4	70.5	1090	2.03	21.7
YY09456		0.64	<0.001	0.04	2.82	4.6	390	0.75	0.09	0.98	0.13	37.3	75.6	1170	1.31	18.7
YY09457		0.54	<0.001	0.04	3.36	6.6	480	0.92	0.10	1.06	0.15	44.8	69.9	974	1.87	21.4
YY09458		0.63	<0.001	0.02	2.13	5.6	230	1.28	0.08	0.94	0.08	14.80	118.0	1430	5.43	15.5
YY09459		0.51	<0.001	0.03	7.84	1.3	510	0.87	0.04	4.35	0.12	21.9	41.2	303	5.45	89.6
YY09460		0.54	<0.001	0.05	7.18	2.0	400	0.86	0.09	3.93	0.18	35.3	28.0	199	4.69	42.7
YY09461		0.47	<0.001	0.05	7.79	2.7	380	0.86	0.06	4.53	0.20	28.9	45.6	177	2.20	133.0
YY09462		0.52	<0.001	0.03	8.00	1.2	410	0.59	0.02	5.45	0.15	17.40	48.2	240	2.21	153.0
YY09463		0.60	<0.001	0.04	7.89	0.9	330	0.72	0.04	5.88	0.12	23.1	43.5	229	4.43	102.5
YY09464		0.58	<0.001	0.09	7.71	0.7	300	0.61	0.05	4.79	0.39	18.35	39.4	181	2.17	363
YY09465		0.66	<0.001	0.03	2.69	6.4	360	0.71	0.11	0.74	0.19	39.7	76.4	1470	1.27	13.8
YY09466		0.60	<0.001	0.03	2.82	6.3	370	0.89	0.11	0.68	0.19	43.3	77.4	1290	1.29	10.8
YY09467		0.55	<0.001	0.06	3.27	7.6	420	0.88	0.14	0.70	0.25	47.7	88.4	1400	1.76	14.6
YY09468		0.68	<0.001	0.05	3.08	6.8	380	0.85	0.12	0.87	0.17	45.4	87.0	1780	1.26	15.8
YY09469		0.50	<0.001	0.02	2.46	6.6	340	0.78	0.12	0.65	0.16	48.7	93.2	1920	1.25	11.6
YY09470		0.50	<0.001	0.02	1.56	3.3	190	0.47	0.07	0.47	0.12	25.6	114.0	2160	0.65	9.4
YY09471		0.50	<0.001	0.05	2.82	8.3	360	0.76	0.13	0.56	0.25	32.3	106.0	1310	1.81	13.5
YY09472		0.44	<0.001	0.05	4.76	8.5	540	0.90	0.15	1.35	0.14	33.9	72.3	664	1.75	17.5



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**CERTIFICATE OF ANALYSIS WH18206272**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09433		6.02	9.28	0.10	1.6	0.032	0.94	27.2	13.7	9.10	1160	0.72	0.88	10.5	1305	410
YY09434		5.66	8.68	0.08	1.5	0.031	0.85	26.2	13.7	8.66	1540	0.77	0.82	9.3	1235	430
YY09435		4.73	11.30	0.12	2.3	0.037	1.20	39.1	17.5	5.55	1050	0.95	1.17	12.5	692	470
YY09436		4.39	9.18	0.11	1.7	0.029	1.00	25.1	13.3	7.15	1520	0.64	0.98	9.4	1025	290
YY09437		5.11	8.49	0.08	1.3	0.031	0.86	23.2	13.9	9.02	1720	0.66	0.79	8.4	1190	450
YY09438		5.93	4.48	0.06	0.7	0.018	0.43	13.3	6.8	12.60	961	0.37	0.41	4.4	2000	250
YY09439		5.75	8.16	0.08	1.5	0.034	0.79	27.4	11.4	9.29	939	0.60	0.91	9.4	1110	300
YY09440		4.94	10.20	0.09	1.5	0.037	1.05	25.8	16.1	7.01	1100	0.75	1.12	10.9	890	490
YY09441		5.04	7.67	0.07	1.1	0.028	0.89	22.8	12.7	10.80	1080	0.57	0.83	7.6	1230	240
YY09442		5.43	8.92	0.09	1.6	0.028	0.94	27.8	13.1	7.16	1100	0.66	0.96	10.0	843	540
YY09443		10.70	15.50	0.14	4.9	0.054	1.89	31.2	17.1	4.40	2750	0.76	0.40	14.8	1950	2090
YY09444		4.90	10.70	0.10	1.9	0.037	1.06	30.1	17.1	6.25	1080	0.79	1.07	12.6	755	540
YY09445		5.09	18.55	0.12	1.2	0.051	1.54	30.0	23.7	2.18	728	0.57	2.67	19.7	271	350
YY09446		6.17	18.70	0.16	0.5	0.069	1.36	23.9	25.9	1.60	1240	0.96	3.13	12.0	42.0	1560
YY09447		6.69	17.00	0.13	0.5	0.065	0.29	10.0	12.2	2.95	1140	0.45	2.15	10.8	79.0	410
YY09448		9.93	18.55	0.09	0.3	0.092	0.30	7.1	20.6	5.09	1380	0.38	1.62	8.4	38.8	670
YY09449		7.11	16.25	0.10	1.0	0.069	0.39	12.1	13.4	4.00	1240	0.63	2.09	9.9	54.8	520
YY09450		6.67	16.65	0.10	0.4	0.066	0.19	6.9	12.3	3.19	1240	0.41	2.29	10.6	132.0	630
YY09451		5.11	11.65	0.11	2.1	0.036	1.19	30.3	15.6	6.18	780	0.85	1.29	10.8	872	730
YY09452		6.84	8.57	0.10	1.5	0.032	0.85	28.0	12.0	8.98	1140	0.63	0.85	9.9	1290	560
YY09453		4.79	9.59	0.09	1.8	0.023	1.00	22.3	13.0	6.45	783	0.75	1.12	7.7	891	1180
YY09454		5.83	9.29	0.11	1.8	0.031	0.95	30.9	12.8	8.67	909	0.67	1.02	11.4	911	390
YY09455		5.89	8.59	0.09	1.5	0.031	0.86	28.1	11.5	8.23	1090	0.57	1.01	10.3	913	480
YY09456		6.16	6.18	0.07	1.0	0.020	0.63	19.7	8.8	13.00	1160	0.44	0.67	6.6	1350	320
YY09457		5.54	7.32	0.08	1.2	0.025	0.78	23.9	10.7	10.95	970	0.49	0.87	7.9	1160	230
YY09458		5.19	8.28	0.06	0.4	0.012	0.27	7.4	9.6	14.85	964	0.26	0.37	3.2	2420	170
YY09459		6.23	16.10	0.10	0.6	0.056	0.72	10.3	26.4	3.81	963	0.48	1.92	9.7	263	610
YY09460		5.28	15.60	0.10	1.1	0.054	0.66	18.1	14.2	2.68	1000	0.62	1.78	12.8	85.7	1220
YY09461		5.56	14.10	0.10	0.8	0.052	0.56	13.8	21.9	3.34	940	0.82	1.52	7.7	118.0	520
YY09462		7.13	16.10	0.10	0.3	0.056	0.72	7.7	27.4	4.67	1090	0.29	1.83	8.1	115.5	530
YY09463		6.59	15.95	0.10	0.5	0.063	0.38	10.7	16.0	3.49	1040	0.48	1.92	11.7	107.0	490
YY09464		7.65	15.85	0.09	0.4	0.074	0.25	8.1	9.8	4.30	1460	0.73	2.24	9.9	69.8	620
YY09465		6.56	6.25	0.08	1.2	0.023	0.63	20.7	8.5	12.55	898	0.44	0.59	6.8	1555	480
YY09466		6.40	6.48	0.08	1.2	0.021	0.68	22.1	9.2	12.50	815	0.49	0.64	7.7	1550	240
YY09467		7.19	8.12	0.14	1.4	0.031	0.76	24.0	13.7	11.90	1060	1.06	0.65	9.1	1570	570
YY09468		8.20	7.52	0.14	1.2	0.021	0.72	23.5	10.8	12.45	967	0.59	0.78	7.1	1775	380
YY09469		7.20	6.13	0.10	1.0	0.020	0.61	24.1	9.8	15.30	1020	0.46	0.56	7.7	1875	270
YY09470		7.50	3.96	0.11	0.7	0.011	0.36	12.3	5.8	20.7	1000	0.36	0.39	4.4	2460	200
YY09471		7.23	6.96	0.08	1.1	0.025	0.66	16.3	11.7	13.25	1310	0.62	0.53	6.8	1755	680
YY09472		5.40	11.30	0.11	1.7	0.027	1.11	18.1	14.8	8.35	1040	0.94	1.34	6.2	1090	740



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09433		9.2	43.7	<0.002	0.03	0.74	12.8	<1	1.4	118.5	0.80	<0.05	8.77	0.280	0.29	2.2
YY09434		8.6	42.8	<0.002	0.04	1.58	12.7	<1	1.2	112.0	0.73	<0.05	8.20	0.269	0.28	2.0
YY09435		11.4	59.7	<0.002	0.03	0.92	12.7	<1	1.5	170.0	0.99	<0.05	11.85	0.344	0.36	2.6
YY09436		9.0	47.6	<0.002	0.02	0.88	11.1	1	1.3	129.5	0.68	<0.05	7.23	0.273	0.31	1.8
YY09437		9.1	44.9	<0.002	0.04	0.97	11.7	1	1.1	113.5	0.58	<0.05	6.36	0.239	0.28	1.4
YY09438		5.1	21.2	<0.002	0.02	0.55	11.7	1	0.6	63.0	0.34	<0.05	3.54	0.131	0.14	0.8
YY09439		8.0	37.6	<0.002	0.02	0.68	11.5	1	1.1	137.0	0.66	<0.05	8.25	0.312	0.23	1.9
YY09440		9.9	48.4	<0.002	0.03	0.91	12.0	1	1.3	156.5	0.78	<0.05	7.89	0.319	0.31	2.0
YY09441		7.3	41.3	<0.002	0.02	0.95	9.9	1	1.1	114.0	0.52	<0.05	6.27	0.219	0.24	1.3
YY09442		9.1	46.5	<0.002	0.04	0.88	11.5	<1	1.2	141.5	0.78	<0.05	8.11	0.289	0.27	1.8
YY09443		8.4	164.5	<0.002	0.01	0.44	18.6	<1	1.7	99.4	0.76	<0.05	5.39	0.729	0.64	1.6
YY09444		10.5	50.5	<0.002	0.03	0.84	11.0	1	1.4	153.0	0.88	<0.05	8.28	0.349	0.34	1.9
YY09445		13.2	98.0	<0.002	0.02	0.29	19.5	<1	1.7	144.0	1.19	<0.05	10.30	0.537	0.56	1.4
YY09446		13.2	47.7	<0.002	0.02	0.11	20.0	<1	1.3	379	0.67	0.05	5.46	0.557	0.31	1.6
YY09447		1.4	10.3	<0.002	0.01	0.19	38.3	1	0.7	187.5	0.61	<0.05	1.28	0.801	0.09	0.5
YY09448		3.0	5.2	<0.002	0.24	0.10	32.6	1	0.7	82.5	0.48	<0.05	0.62	0.839	0.09	0.2
YY09449		18.4	15.7	<0.002	0.10	0.31	36.0	1	0.9	128.0	0.61	<0.05	2.51	0.754	0.11	0.6
YY09450		2.3	2.6	<0.002	0.04	0.14	35.0	1	0.8	163.5	0.62	<0.05	1.04	0.857	0.08	0.3
YY09451		9.7	50.4	<0.002	0.03	0.92	12.1	1	1.2	233	0.73	<0.05	8.52	0.329	0.30	2.2
YY09452		8.7	42.0	<0.002	0.04	0.78	13.3	1	1.2	123.0	0.72	<0.05	8.54	0.298	0.26	2.1
YY09453		7.9	45.3	<0.002	0.10	0.82	10.6	1	1.0	217	0.55	<0.05	6.21	0.262	0.26	1.6
YY09454		9.1	44.4	<0.002	0.03	0.83	13.4	1	1.3	141.0	0.93	<0.05	8.70	0.345	0.27	2.2
YY09455		8.5	42.0	<0.002	0.03	0.69	13.6	1	1.1	139.5	0.70	<0.05	7.62	0.312	0.24	1.9
YY09456		5.6	30.2	<0.002	0.02	0.79	11.0	<1	0.8	96.3	0.44	<0.05	5.40	0.213	0.17	1.3
YY09457		7.2	35.3	<0.002	0.02	0.77	11.6	1	0.9	127.5	0.56	<0.05	6.56	0.239	0.22	1.6
YY09458		4.6	13.1	<0.002	0.02	0.56	8.6	1	0.4	144.0	0.18	<0.05	2.17	0.094	0.27	0.7
YY09459		4.0	22.1	<0.002	0.03	0.16	29.6	<1	0.7	230	0.59	<0.05	2.59	0.579	0.15	0.6
YY09460		6.0	38.5	<0.002	0.05	0.31	28.0	<1	1.0	191.0	0.80	<0.05	4.09	0.593	0.15	1.1
YY09461		4.6	16.6	<0.002	0.04	0.33	27.1	1	0.9	145.0	0.50	<0.05	3.21	0.559	0.15	0.9
YY09462		1.6	20.6	<0.002	0.01	0.13	36.5	<1	0.7	137.5	0.49	<0.05	1.02	0.734	0.19	0.4
YY09463		2.6	11.7	<0.002	0.02	0.20	36.4	1	0.9	170.0	0.70	<0.05	1.82	0.760	0.11	0.6
YY09464		4.7	5.0	<0.002	0.10	0.16	37.7	1	0.8	126.0	0.60	<0.05	1.33	0.958	0.08	0.4
YY09465		6.3	31.6	<0.002	0.03	0.62	11.0	<1	0.9	82.3	0.53	<0.05	6.19	0.194	0.19	1.6
YY09466		6.6	34.6	<0.002	0.02	0.66	10.8	<1	0.9	87.2	0.57	<0.05	6.93	0.206	0.19	1.6
YY09467		9.9	43.3	<0.002	0.04	1.01	13.3	1	1.1	90.9	0.61	<0.05	7.14	0.226	0.23	1.7
YY09468		6.6	31.2	<0.002	0.02	0.68	12.3	1	0.9	134.5	0.51	<0.05	6.90	0.225	0.19	1.7
YY09469		6.1	30.4	<0.002	0.02	0.66	10.5	1	0.9	75.5	0.65	<0.05	7.71	0.193	0.18	1.6
YY09470		3.2	16.1	<0.002	0.01	0.37	8.2	1	0.5	65.7	0.37	<0.05	4.63	0.124	0.09	0.9
YY09471		6.5	39.0	<0.002	0.05	0.75	11.5	1	0.9	75.9	0.47	<0.05	5.03	0.170	0.21	1.2
YY09472		6.9	42.2	<0.002	0.05	0.87	11.3	1	0.9	300	0.44	<0.05	4.94	0.233	0.22	1.4



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	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
YY09433		85	1.2	11.9	70	58.6
YY09434		77	1.4	11.2	66	52.5
YY09435		90	1.4	14.5	68	74.2
YY09436		73	1.5	12.1	58	47.7
YY09437		72	1.8	9.6	64	47.9
YY09438		56	0.7	6.3	57	25.9
YY09439		83	1.7	12.5	67	55.3
YY09440		89	1.3	12.9	71	53.0
YY09441		66	1.4	9.9	62	39.9
YY09442		78	1.7	12.1	66	54.9
YY09443		156	1.1	31.7	185	215
YY09444		88	1.1	12.2	71	66.1
YY09445		169	0.4	15.5	95	42.1
YY09446		180	0.2	19.4	111	18.0
YY09447		272	0.3	23.8	70	7.8
YY09448		310	0.1	24.1	611	3.4
YY09449		247	0.4	22.8	167	22.7
YY09450		296	0.2	22.5	233	7.6
YY09451		85	1.1	14.1	83	75.7
YY09452		87	1.2	13.0	73	53.3
YY09453		72	1.3	11.6	81	66.9
YY09454		96	1.2	15.8	78	58.0
YY09455		91	1.2	13.2	69	52.5
YY09456		74	1.1	9.4	62	38.5
YY09457		75	1.2	11.4	62	42.5
YY09458		45	0.5	4.0	59	17.1
YY09459		211	0.3	18.1	107	17.6
YY09460		190	0.5	19.6	81	42.9
YY09461		180	0.5	19.5	76	21.6
YY09462		244	0.2	21.5	83	7.6
YY09463		235	0.3	23.1	84	10.9
YY09464		279	0.2	23.4	235	11.2
YY09465		70	1.0	9.2	71	53.1
YY09466		69	1.1	9.1	59	40.6
YY09467		77	1.9	10.4	75	48.9
YY09468		79	1.9	10.1	73	44.2
YY09469		68	1.5	9.6	65	36.6
YY09470		49	1.0	5.4	67	24.9
YY09471		66	1.4	8.0	71	42.5
YY09472		66	1.5	8.7	65	65.3



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY09473		0.56	<0.001	0.03	2.46	11.6	300	0.65	0.14	0.47	0.26	27.6	154.0	1690	1.67	13.1
YY09474		0.54	0.001	0.04	1.46	10.4	140	0.30	0.06	0.28	0.08	11.45	147.5	1300	0.94	7.5
YY09475		0.62	0.004	0.08	1.57	7.2	210	0.32	0.06	0.40	0.11	14.65	144.5	1420	1.15	11.0
YY09476		0.56	<0.001	0.05	1.32	8.8	180	0.24	0.08	0.69	0.22	10.95	205	1780	1.11	12.3
YY09477		0.60	<0.001	0.03	1.83	5.8	250	0.47	0.07	0.85	0.10	19.40	121.5	1340	0.91	10.3
YY09478		0.50	<0.001	0.04	2.62	4.5	340	0.59	0.10	0.92	0.17	36.0	101.5	1730	1.26	17.4
YY09479		0.57	<0.001	0.04	4.07	4.2	590	1.17	0.13	1.37	0.17	54.7	67.0	893	1.86	18.2
YY09480		0.51	<0.001	0.03	3.28	4.3	470	0.79	0.10	1.36	0.19	37.9	93.2	1240	1.55	20.7
YY09481		0.42	<0.001	0.06	5.36	3.4	690	1.05	0.14	1.62	0.13	51.3	38.4	658	2.55	18.6
YY09482		0.44	<0.001	0.03	4.51	4.0	620	1.13	0.16	1.42	0.19	61.5	54.9	1040	2.07	15.6
YY09483		0.54	<0.001	0.04	5.29	3.2	730	1.05	0.35	1.88	0.13	52.3	32.8	957	2.59	11.2
YY09484		0.61	0.004	0.03	1.36	3.7	150	0.24	0.05	0.74	0.12	10.60	130.5	1790	0.61	13.9
YY09485		0.51	<0.001	0.04	4.75	3.4	620	1.02	0.13	1.41	0.16	53.7	53.8	986	1.88	15.3
YY09486		0.55	0.001	0.05	4.87	2.5	740	1.31	0.20	1.70	0.18	51.3	49.7	801	2.18	21.4
YY09487		0.40	<0.001	0.02	5.45	3.8	690	1.21	0.23	1.60	0.21	60.1	58.2	924	2.94	16.8
YY09488		0.44	<0.001	0.06	5.58	2.8	700	1.04	0.16	1.53	0.18	41.4	34.0	518	2.28	17.0
YY09489		0.54	<0.001	0.02	4.70	2.8	670	0.98	0.18	1.36	0.11	52.8	51.2	1120	2.49	7.8
YY09490		0.52	<0.001	0.02	3.10	4.7	390	0.57	0.12	0.85	0.12	28.9	95.8	1740	1.41	10.5
YY09491		0.47	<0.001	0.02	2.54	5.7	290	0.54	0.10	0.59	0.12	24.2	119.0	1690	1.53	10.3
YY09492		0.60	<0.001	0.02	4.05	6.0	550	0.95	0.15	0.91	0.21	36.2	90.4	1070	2.15	19.3
YY09493		0.63	<0.001	0.04	1.32	8.2	150	0.31	0.05	0.37	0.09	14.15	126.5	1750	0.62	18.2
YY09494		0.47	<0.001	0.03	2.05	8.9	200	0.37	0.07	0.65	0.10	14.00	108.0	1620	1.04	12.3
YY09495		0.58	<0.001	0.16	1.90	9.8	220	0.54	0.09	0.59	0.21	19.85	101.0	1900	1.58	19.6
YY09496		0.51	<0.001	0.13	4.61	6.0	540	1.09	0.18	1.23	0.38	40.2	61.6	882	3.08	26.8
YY09497		0.47	0.004	0.38	5.64	3.6	660	1.45	0.21	1.39	0.56	49.8	23.6	245	4.95	40.6
YY09498		0.86	0.004	0.40	6.34	6.8	760	2.00	0.24	1.61	0.58	67.3	24.9	465	4.90	35.8
YY09499		0.60	<0.001	0.13	5.61	6.8	560	1.60	0.17	1.51	0.23	52.4	42.6	845	5.45	20.6
YY09500		0.43	0.002	0.13	5.35	12.8	680	1.15	0.18	1.58	0.14	50.4	46.1	587	5.73	25.1



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**CERTIFICATE OF ANALYSIS WH18206272**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY09473		10.65	6.31	0.10	0.9	0.025	0.52	12.5	9.9	14.45	1820	0.55	0.40	6.1	2240	710
YY09474		7.69	3.24	0.08	0.4	0.011	0.26	5.8	5.0	18.55	1660	0.34	0.24	2.5	2540	320
YY09475		7.74	3.60	0.08	0.5	0.016	0.35	7.7	5.9	17.90	2040	0.44	0.33	2.8	2480	360
YY09476		9.48	3.13	0.08	0.4	0.013	0.24	5.4	4.6	18.70	2400	0.35	0.21	2.3	2700	590
YY09477		7.21	4.09	0.05	0.5	0.016	0.41	9.5	5.8	16.65	1200	0.35	0.45	4.2	2050	190
YY09478		7.34	6.29	0.07	1.1	0.024	0.59	18.4	8.9	15.70	1090	0.47	0.63	5.9	1860	420
YY09479		5.59	9.38	0.10	1.5	0.029	0.96	28.4	14.0	8.42	880	0.68	1.04	10.1	1065	380
YY09480		6.90	7.57	0.11	1.1	0.028	0.71	19.6	11.1	11.40	1100	0.54	0.78	7.5	1475	400
YY09481		4.42	12.90	0.12	1.8	0.037	1.16	26.9	18.9	5.16	621	0.54	1.32	10.6	730	750
YY09482		5.48	11.00	0.12	1.8	0.040	1.13	30.8	16.9	8.19	735	0.57	1.07	11.4	1085	370
YY09483		5.57	16.85	0.11	2.1	0.048	1.72	26.7	16.9	5.12	654	0.87	1.00	16.4	465	320
YY09484		7.34	3.27	0.07	0.5	0.009	0.27	5.4	4.6	19.25	1310	0.36	0.31	1.9	2310	330
YY09485		5.14	11.15	0.09	1.8	0.029	1.24	27.5	17.2	7.37	744	0.71	1.25	10.0	1015	430
YY09486		4.91	12.30	0.12	1.7	0.041	1.52	24.4	18.0	6.26	857	0.72	1.11	11.6	740	340
YY09487		6.34	14.50	0.13	2.1	0.043	1.39	30.4	23.2	5.91	862	0.88	1.21	13.9	748	410
YY09488		3.90	13.95	0.12	2.3	0.030	1.49	21.8	18.6	4.14	610	0.99	1.61	8.4	600	990
YY09489		5.53	13.65	0.12	2.0	0.037	1.42	26.5	16.3	6.25	769	0.71	0.99	14.7	663	160
YY09490		8.27	8.90	0.09	1.0	0.029	0.71	13.7	13.6	12.75	945	0.61	0.62	7.5	1460	290
YY09491		8.07	6.80	0.08	0.8	0.017	0.60	11.6	9.2	15.15	1120	0.47	0.47	6.5	1770	250
YY09492		6.28	10.10	0.07	1.2	0.031	1.03	17.1	15.5	11.45	1020	0.66	0.78	8.4	1505	240
YY09493		7.20	3.10	0.08	0.5	0.012	0.27	7.3	4.5	18.95	1060	0.31	0.25	2.8	2520	160
YY09494		6.31	4.89	0.06	0.7	0.012	0.41	7.0	5.9	16.30	1070	0.38	0.51	2.4	1965	320
YY09495		6.22	4.68	0.06	0.6	0.016	0.41	10.9	6.9	14.60	957	0.54	0.38	3.3	1985	500
YY09496		4.93	11.80	0.09	1.4	0.037	1.05	20.6	21.1	7.41	909	0.98	0.88	9.0	986	630
YY09497		3.49	15.05	0.11	1.7	0.049	1.15	26.8	28.3	3.00	726	1.79	0.93	10.1	480	870
YY09498		4.35	16.45	0.14	1.9	0.054	1.40	37.9	30.3	3.25	672	1.70	0.91	13.0	342	990
YY09499		4.95	14.40	0.15	1.7	0.049	1.01	27.6	27.9	6.51	645	0.58	0.72	11.9	1085	570
YY09500		4.28	13.40	0.12	1.6	0.041	1.32	27.5	20.5	5.98	536	0.70	1.12	10.1	839	700



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**CERTIFICATE OF ANALYSIS WH18206272**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY09473		6.2	32.3	<0.002	0.05	0.87	14.8	1	0.8	58.8	0.40	<0.05	4.01	0.150	0.19	1.1
YY09474		2.5	14.1	<0.002	0.03	1.18	10.7	<1	0.4	34.1	0.17	<0.05	1.73	0.071	0.08	0.4
YY09475		3.4	18.1	<0.002	0.03	0.80	11.6	1	0.4	49.7	0.19	<0.05	2.13	0.085	0.09	0.6
YY09476		3.6	14.7	<0.002	0.05	0.84	13.3	1	0.4	35.3	0.15	<0.05	1.65	0.077	0.11	0.5
YY09477		3.4	18.6	<0.002	0.02	0.63	11.7	1	0.6	62.0	0.30	<0.05	2.58	0.133	0.12	0.7
YY09478		5.8	27.6	<0.002	0.02	0.52	11.3	1	0.8	104.5	0.42	<0.05	4.92	0.197	0.16	1.4
YY09479		7.9	45.1	<0.002	0.02	0.71	13.2	1	1.3	149.5	0.75	<0.05	7.72	0.311	0.25	1.8
YY09480		6.1	34.7	<0.002	0.03	0.61	13.8	1	1.0	109.5	0.51	<0.05	5.36	0.256	0.19	1.3
YY09481		8.8	52.3	<0.002	0.03	0.56	13.8	<1	1.5	193.0	0.73	<0.05	6.71	0.334	0.29	1.7
YY09482		8.8	51.0	<0.002	0.02	0.60	13.5	<1	1.6	141.5	0.79	<0.05	8.84	0.325	0.25	1.9
YY09483		12.6	62.1	<0.002	0.01	0.54	15.9	1	2.7	110.0	1.07	<0.05	7.48	0.469	0.31	1.9
YY09484		2.2	11.1	<0.002	0.03	0.58	9.8	<1	0.3	60.9	0.13	<0.05	1.48	0.068	0.06	0.5
YY09485		8.5	49.1	<0.002	0.02	0.65	11.6	<1	1.4	195.0	0.69	<0.05	7.52	0.297	0.26	1.8
YY09486		10.0	53.9	<0.002	0.01	0.49	13.5	<1	2.1	143.0	0.79	<0.05	6.87	0.331	0.29	1.8
YY09487		11.4	61.7	<0.002	0.01	0.74	13.7	1	1.9	165.0	0.96	<0.05	7.93	0.400	0.32	2.0
YY09488		8.6	54.3	<0.002	0.04	0.48	9.7	1	1.3	325	0.61	<0.05	5.81	0.246	0.28	1.8
YY09489		9.5	64.5	<0.002	0.01	0.44	13.1	<1	2.2	117.5	0.95	<0.05	6.73	0.373	0.30	1.7
YY09490		6.3	29.6	<0.002	0.01	0.68	11.6	<1	1.1	87.6	0.49	<0.05	3.79	0.211	0.16	1.0
YY09491		5.1	28.5	<0.002	0.01	0.54	10.8	<1	0.9	62.5	0.58	<0.05	3.36	0.161	0.15	0.8
YY09492		7.5	49.8	<0.002	0.01	0.75	13.3	1	1.3	108.5	0.57	<0.05	5.15	0.233	0.27	1.2
YY09493		2.1	11.9	<0.002	0.01	0.46	10.7	<1	0.4	37.5	0.19	<0.05	2.02	0.083	0.07	0.5
YY09494		2.8	14.7	<0.002	0.02	0.47	9.7	<1	0.3	112.0	0.17	<0.05	1.99	0.087	0.09	0.6
YY09495		3.6	20.8	<0.002	0.03	0.63	11.1	<1	0.5	69.5	0.24	<0.05	3.05	0.105	0.12	0.9
YY09496		9.4	49.7	<0.002	0.04	0.45	13.4	1	1.4	138.5	0.64	0.06	6.10	0.282	0.30	1.6
YY09497		13.0	56.8	<0.002	0.06	0.41	13.1	1	1.8	151.0	0.69	0.07	7.54	0.329	0.35	2.1
YY09498		15.4	68.6	<0.002	0.03	0.37	15.1	1	2.3	145.5	0.92	0.08	10.05	0.410	0.58	2.9
YY09499		11.9	56.0	<0.002	0.02	0.35	15.2	1	2.0	119.0	0.81	<0.05	7.82	0.365	0.38	1.7
YY09500		10.1	63.2	<0.002	0.04	0.50	13.6	2	1.6	176.0	0.70	<0.05	8.06	0.287	0.43	2.3





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**CERTIFICATE OF ANALYSIS WH18206272**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm
		1	0.1	0.1	2	0.5
YY09473		71	1.7	6.9	83	35.6
YY09474		50	1.4	3.7	47	15.2
YY09475		53	1.3	4.3	59	17.2
YY09476		55	1.3	3.8	75	14.3
YY09477		55	1.0	6.2	54	17.0
YY09478		69	1.0	9.1	73	39.8
YY09479		83	1.1	12.9	65	51.0
YY09480		79	1.0	11.0	65	35.2
YY09481		92	1.4	12.7	70	62.6
YY09482		88	1.3	14.1	66	62.2
YY09483		131	2.0	13.9	66	78.6
YY09484		47	0.9	2.8	56	17.5
YY09485		77	1.3	12.0	65	74.4
YY09486		87	1.5	14.3	70	63.8
YY09487		107	1.6	12.7	84	71.3
YY09488		61	1.1	10.6	73	88.6
YY09489		103	1.7	11.8	77	77.1
YY09490		85	1.8	5.9	82	42.6
YY09491		72	1.7	4.7	65	32.6
YY09492		80	1.7	9.3	67	43.3
YY09493		51	1.6	3.6	54	16.8
YY09494		47	1.0	3.4	54	26.6
YY09495		59	1.6	6.3	64	23.4
YY09496		87	1.7	10.8	87	55.8
YY09497		132	1.4	18.3	145	62.2
YY09498		132	1.6	24.2	142	86.3
YY09499		105	1.3	15.9	105	62.5
YY09500		82	1.6	15.1	77	60.4



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**CERTIFICATE OF ANALYSIS WH18206272**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: REE's may not be totally soluble in this method.  
ME- MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- ICP21 ME- MS61



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**CERTIFICATE WH18208211**

Project: 4C

This report is for 18 Rock samples submitted to our lab in Whitehorse, YT, Canada on 24-AUG-2018.

The following have access to data associated with this certificate:

HEATHER BURRELL SCOTT NEWMAN	ANDREW CARNE	JACK MORTON
---------------------------------	--------------	-------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
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-MS61	48 element four acid ICP-MS	

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 WH18208211**

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W594103		0.53	<0.001	0.01	0.64	0.5	<10	<0.05	0.01	0.21	0.02	0.12	88.8	1400	0.34	4.7
W594104		0.97	<0.001	0.02	0.18	1.9	40	0.40	0.03	0.37	0.05	0.28	51.0	984	1.17	11.7
W591885		0.52	<0.001	0.02	0.62	0.9	<10	0.10	0.01	2.27	0.04	0.05	74.8	898	0.12	4.6
W591886		0.30	<0.001	0.01	0.33	2.7	<10	<0.05	0.01	0.06	0.02	0.03	96.3	1990	<0.05	7.3
W591887		0.15	0.001	0.02	0.75	1.9	<10	0.09	0.01	1.09	0.02	0.03	77.2	1170	0.12	7.7
W591888		0.24	<0.001	0.01	0.35	1.6	10	0.05	0.01	0.15	0.03	0.03	102.0	1280	<0.05	8.1
W591889		1.25	<0.001	0.01	0.49	3.1	130	3.99	0.04	0.25	0.02	0.81	137.0	2940	16.75	9.9
W591890		0.35	<0.001	0.01	0.48	4.2	150	3.53	0.04	0.16	0.02	1.16	160.0	3320	13.60	12.0
W591891		0.62	0.002	0.03	0.48	2.8	<10	<0.05	0.01	0.01	0.02	0.08	91.1	2110	0.14	16.7
W591892		0.81	<0.001	0.02	0.15	1.1	<10	0.06	0.01	0.66	0.03	0.13	80.0	1660	0.14	3.1
W591893		0.54	0.005	0.02	0.19	2.2	<10	<0.05	0.01	0.02	0.02	0.07	115.5	1470	<0.05	4.3
W591894		0.50	<0.001	0.02	8.63	0.5	1280	3.18	0.09	0.24	0.11	107.5	7.2	37	3.71	2.2
W591895		1.23	<0.001	0.02	1.93	0.7	190	0.15	0.08	0.34	0.15	1.80	122.0	2030	0.07	18.4
W591896		1.21	<0.001	0.02	0.40	2.3	50	<0.05	0.01	0.01	0.08	0.27	77.5	1600	0.05	8.3
W591897		0.72	<0.001	0.01	0.46	0.8	20	0.08	0.01	1.16	0.10	0.52	107.0	1790	<0.05	3.0
W591898		1.01	0.003	0.04	0.32	2.6	<10	<0.05	0.01	0.03	<0.02	0.07	99.9	1120	<0.05	13.0
W591899		0.44	<0.001	0.01	0.82	3.0	30	0.33	0.02	0.03	<0.02	1.17	101.5	1320	1.00	7.2
W591900		0.85	<0.001	0.08	7.83	2.6	730	1.00	0.08	0.36	0.03	1.75	1.5	20	0.60	1.0



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**CERTIFICATE OF ANALYSIS WH18208211**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W594103		5.34	1.36	<0.05	<0.1	0.006	0.01	<0.5	1.9	20.0	335	0.06	0.01	<0.1	1805	10
W594104		2.57	1.72	<0.05	<0.1	<0.005	0.02	<0.5	17.3	9.78	413	0.17	0.01	0.1	1035	<10
W591885		3.39	0.93	<0.05	<0.1	0.005	<0.01	<0.5	0.7	21.6	677	0.08	<0.01	<0.1	1710	<10
W591886		4.30	0.71	<0.05	<0.1	0.005	<0.01	<0.5	<0.2	23.3	422	0.08	<0.01	<0.1	2260	10
W591887		4.51	1.24	<0.05	<0.1	0.006	<0.01	<0.5	0.7	22.8	605	0.08	<0.01	<0.1	2120	<10
W591888		5.06	0.62	<0.05	<0.1	0.005	<0.01	<0.5	0.4	23.0	978	0.07	<0.01	<0.1	2190	20
W591889		5.19	6.05	<0.05	0.1	0.006	0.09	<0.5	33.2	0.84	949	0.10	0.04	0.5	2350	20
W591890		6.32	5.66	<0.05	<0.1	0.005	0.09	0.6	31.2	0.65	1340	0.11	0.05	0.3	2820	20
W591891		4.39	1.01	<0.05	<0.1	0.005	<0.01	<0.5	0.6	24.5	536	0.07	<0.01	<0.1	2500	10
W591892		4.12	0.38	<0.05	<0.1	<0.005	0.01	<0.5	1.0	21.0	611	0.07	0.01	<0.1	2090	20
W591893		4.30	0.45	<0.05	<0.1	<0.005	<0.01	<0.5	0.6	26.1	1020	0.07	<0.01	<0.1	2200	10
W591894		1.82	21.4	0.12	1.0	0.011	3.07	58.6	19.3	0.54	444	0.11	5.40	18.9	33.1	640
W591895		6.63	4.81	<0.05	<0.1	0.015	0.01	0.9	1.5	19.90	1820	0.14	0.01	0.1	1885	60
W591896		3.60	0.85	<0.05	<0.1	0.005	<0.01	<0.5	0.6	24.8	788	0.08	0.01	<0.1	2230	20
W591897		5.33	0.78	<0.05	<0.1	0.008	<0.01	0.5	0.7	21.4	760	0.12	0.01	<0.1	2360	10
W591898		4.92	0.59	<0.05	<0.1	<0.005	<0.01	<0.5	0.7	24.7	631	0.07	<0.01	<0.1	2300	<10
W591899		5.18	3.35	<0.05	<0.1	0.005	<0.01	0.6	3.5	22.5	1070	0.05	<0.01	0.9	1915	20
W591900		0.29	22.8	<0.05	0.6	<0.005	0.24	0.6	4.3	0.45	82	<0.05	7.84	3.9	16.4	210



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**CERTIFICATE OF ANALYSIS WH18208211**

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W594103		<0.5	0.4	<0.002	0.01	0.30	7.6	<1	<0.2	2.0	<0.05	<0.05	0.03	0.005	<0.02	<0.1
W594104		0.5	1.5	<0.002	0.07	0.40	4.1	<1	<0.2	22.9	<0.05	<0.05	0.02	<0.005	0.17	0.2
W591885		1.2	0.1	<0.002	<0.01	0.51	4.2	<1	<0.2	17.8	<0.05	<0.05	0.01	<0.005	<0.02	<0.1
W591886		<0.5	<0.1	<0.002	<0.01	0.34	10.1	<1	<0.2	0.4	<0.05	<0.05	0.01	<0.005	<0.02	<0.1
W591887		0.7	0.1	<0.002	0.01	0.69	7.5	<1	<0.2	9.6	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
W591888		<0.5	0.1	<0.002	0.01	0.28	9.4	<1	<0.2	1.0	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
W591889		0.9	14.0	<0.002	<0.01	0.67	12.1	<1	<0.2	30.5	<0.05	<0.05	0.04	0.005	0.08	0.1
W591890		0.9	13.1	<0.002	<0.01	0.70	10.5	<1	<0.2	19.7	<0.05	<0.05	0.01	<0.005	0.14	0.1
W591891		<0.5	0.2	<0.002	0.02	1.01	9.7	1	<0.2	0.4	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
W591892		1.0	0.4	<0.002	<0.01	0.38	5.8	<1	<0.2	9.7	<0.05	<0.05	0.04	<0.005	<0.02	<0.1
W591893		<0.5	0.1	<0.002	0.01	0.55	8.2	<1	<0.2	0.3	<0.05	<0.05	0.01	<0.005	<0.02	<0.1
W591894		17.7	150.5	<0.002	0.03	0.05	2.9	<1	2.4	166.5	1.30	<0.05	25.5	0.200	1.09	8.9
W591895		<0.5	0.4	<0.002	0.08	0.09	16.3	<1	<0.2	3.8	<0.05	0.11	0.09	0.049	0.05	0.2
W591896		<0.5	0.2	<0.002	0.01	0.73	6.2	<1	<0.2	0.4	<0.05	<0.05	0.05	<0.005	0.02	<0.1
W591897		1.7	0.1	<0.002	0.01	0.26	11.9	<1	<0.2	1.7	<0.05	<0.05	0.04	0.007	<0.02	<0.1
W591898		<0.5	0.1	<0.002	0.01	0.90	8.2	<1	<0.2	0.3	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
W591899		0.6	0.7	<0.002	0.12	0.57	10.1	<1	<0.2	4.7	<0.05	<0.05	0.03	0.006	0.02	0.4
W591900		49.1	7.8	<0.002	<0.01	0.08	0.6	<1	<0.2	146.5	0.19	<0.05	0.25	0.036	0.12	0.3



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
W594103		36	0.1	0.1	30	<0.5
W594104		11	0.2	0.2	22	<0.5
W591885		22	0.5	0.3	29	<0.5
W591886		26	2.9	0.1	41	<0.5
W591887		41	0.7	0.1	34	<0.5
W591888		33	1.7	0.1	39	<0.5
W591889		53	0.1	2.1	77	2.5
W591890		40	0.1	2.8	85	1.2
W591891		36	0.3	0.1	60	<0.5
W591892		28	0.2	0.2	32	<0.5
W591893		18	0.9	0.1	37	<0.5
W591894		25	0.6	6.8	67	33.2
W591895		63	0.2	1.1	126	0.6
W591896		26	0.3	0.1	117	<0.5
W591897		39	0.3	0.3	50	<0.5
W591898		32	0.8	0.1	35	<0.5
W591899		27	0.6	1.2	61	0.7
W591900		4	0.1	1.4	7	17.2



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**CERTIFICATE OF ANALYSIS WH18208211**

<b>CERTIFICATE COMMENTS</b>	
	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>Applies to Method: REE's may not be totally soluble in this method. ME-MS61</p>
	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. CRU-31 CRU-QC LOG-21 SPL-21 WEI-21</p>
	<p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61 PUL-31 PUL-QC</p>





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**CERTIFICATE WH18206231**

Project: 4C

This report is for 8 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22- AUG- 2018.

The following have access to data associated with this certificate:

HEATHER BURRELL  
SCOTT NEWMAN

ANDREW CARNE

JACK MORTON

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
CRU- QC	Crushing QC Test
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- MS61	48 element four acid ICP- MS	

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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Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W591392		1.37	<0.001	0.01	0.38	2.3	<10	<0.05	0.01	0.25	0.02	0.13	97.2	2190	<0.05	4.2
W591393		1.59	<0.001	0.01	0.36	2.8	<10	<0.05	0.01	0.13	0.02	0.08	100.5	2190	<0.05	2.4
W591394		1.79	<0.001	0.01	0.44	3.0	<10	<0.05	0.01	0.11	0.02	0.07	96.3	2010	<0.05	2.5
W591395		2.10	0.013	0.02	0.07	2.4	<10	<0.05	<0.01	0.03	0.03	0.06	115.0	1500	<0.05	4.7
W591396		5.02	<0.001	0.01	0.05	1.9	<10	<0.05	<0.01	0.02	0.02	0.06	114.5	595	<0.05	3.1
W591397		5.47	<0.001	0.01	0.05	1.7	<10	<0.05	<0.01	0.01	0.02	0.03	120.0	1730	<0.05	2.4
W591398		4.19	<0.001	<0.01	0.06	1.6	<10	<0.05	<0.01	0.01	<0.02	0.03	118.5	960	<0.05	2.0
W591399		6.42	<0.001	0.01	0.05	2.3	<10	<0.05	<0.01	0.01	0.03	0.04	121.5	1440	<0.05	2.9



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**CERTIFICATE OF ANALYSIS WH18206231**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W591392		4.92	0.74	<0.05	<0.1	<0.005	0.01	<0.5	0.3	23.0	782	0.10	<0.01	<0.1	2230	20
W591393		5.07	0.66	<0.05	<0.1	0.006	<0.01	<0.5	<0.2	23.6	802	0.10	<0.01	<0.1	2180	<10
W591394		4.87	0.84	<0.05	<0.1	0.006	<0.01	<0.5	<0.2	24.1	755	0.08	<0.01	<0.1	2260	10
W591395		4.93	0.23	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	25.8	730	0.14	<0.01	<0.1	3010	20
W591396		4.86	0.18	0.05	<0.1	<0.005	<0.01	<0.5	<0.2	25.8	741	0.12	<0.01	<0.1	3030	20
W591397		5.42	0.17	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	26.1	813	0.10	<0.01	<0.1	2830	<10
W591398		5.12	0.21	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	26.0	788	0.11	<0.01	<0.1	2780	10
W591399		5.36	0.20	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	26.9	789	0.13	<0.01	<0.1	3050	20



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Sample Description	Method Analyte Units LOD	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
W591392		1.9	0.2	<0.002	<0.01	0.55	8.4	<1	<0.2	0.7	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
W591393		0.5	0.2	<0.002	<0.01	0.68	8.5	<1	<0.2	0.7	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
W591394		<0.5	0.1	<0.002	<0.01	0.83	8.5	<1	<0.2	0.6	<0.05	<0.05	0.01	<0.005	<0.02	<0.1
W591395		<0.5	0.1	<0.002	0.01	0.44	3.7	<1	<0.2	0.8	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
W591396		<0.5	0.1	<0.002	0.02	0.40	4.0	<1	<0.2	0.4	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
W591397		<0.5	0.1	<0.002	0.01	0.39	3.5	<1	<0.2	0.4	<0.05	<0.05	0.01	<0.005	<0.02	<0.1
W591398		<0.5	0.1	<0.002	<0.01	0.39	3.9	<1	<0.2	0.4	<0.05	<0.05	0.01	<0.005	<0.02	<0.1
W591399		<0.5	0.1	<0.002	0.01	0.38	3.8	<1	<0.2	0.5	<0.05	<0.05	0.01	<0.005	<0.02	<0.1



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**CERTIFICATE OF ANALYSIS WH18206231**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
W591392		33	0.6	0.1	49	<0.5
W591393		33	0.6	0.1	50	<0.5
W591394		36	0.6	0.1	50	<0.5
W591395		12	0.6	<0.1	38	<0.5
W591396		7	0.4	<0.1	26	<0.5
W591397		11	0.4	<0.1	38	<0.5
W591398		9	0.5	<0.1	30	<0.5
W591399		12	0.4	<0.1	39	<0.5



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<b>CERTIFICATE OF ANALYSIS WH18206231</b>
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<b>CERTIFICATE COMMENTS</b>
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**ANALYTICAL COMMENTS**

Applies to Method: REE's may not be totally soluble in this method.  
ME- MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
CRU- 31 CRU- QC LOG- 21 SPL- 21  
WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- ICP21 ME- MS61 PUL- 31



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**CERTIFICATE WH18206268**

Project: 4C

This report is for 199 Soil samples submitted to our lab in Whitehorse, YT, Canada on 22- AUG- 2018.

The following have access to data associated with this certificate:

HEATHER BURRELL SCOTT NEWMAN	ANDREW CARNE	JACK MORTON
---------------------------------	--------------	-------------

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- MS61	48 element four acid ICP- MS	

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 WH18206268**

Sample Description	Method Analyte Units LOD	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
YY08501		0.57	0.03	5.84	5.2	730	1.26	0.28	1.54	0.11	49.4	13.5	301	2.02	9.0	3.55
YY08502		0.56	0.06	5.68	3.9	710	1.04	0.23	1.40	0.07	58.0	8.6	183	1.98	4.5	2.33
YY08503		0.48	0.03	5.83	5.6	670	1.21	0.30	1.68	0.10	51.1	11.1	274	1.95	8.7	3.68
YY08504		0.60	0.10	5.83	4.8	700	1.19	0.26	1.80	0.14	53.7	13.8	340	1.95	7.8	3.69
YY08505		0.63	0.07	5.07	4.2	700	1.32	0.13	1.99	0.18	68.0	37.7	660	1.81	13.9	4.02
YY08506		0.52	0.04	3.46	6.0	420	0.93	0.09	0.92	0.21	33.0	74.5	1410	1.05	17.8	6.64
YY08507		0.44	0.06	2.82	10.0	380	0.80	0.12	0.64	0.21	42.7	96.1	1500	1.53	17.8	6.91
YY08508		0.41	0.08	4.29	9.5	570	1.24	0.16	0.84	0.23	44.3	62.3	735	2.53	18.5	5.09
YY08509		0.53	0.05	3.13	7.4	390	0.86	0.10	0.80	0.19	38.5	71.7	1520	1.37	15.4	7.06
YY08510		0.46	0.04	1.68	7.9	240	0.48	0.08	0.40	0.20	20.8	120.5	1890	1.00	14.1	7.33
YY08511		0.52	0.03	2.00	4.9	270	0.59	0.08	0.41	0.20	24.4	98.4	1430	1.22	12.6	6.88
YY08512		0.59	0.04	2.10	6.5	290	0.55	0.09	0.58	0.20	30.9	108.5	1740	0.94	13.1	7.62
YY08513		0.52	0.07	1.60	9.5	200	0.42	0.05	0.36	0.13	16.10	113.0	1090	0.96	10.4	6.75
YY08514		0.55	0.05	1.36	9.6	190	0.38	0.06	0.33	0.16	11.60	151.0	1620	1.25	11.4	7.87
YY08515		0.51	0.06	3.25	8.7	430	0.76	0.11	0.72	0.22	28.8	94.1	1110	1.60	16.9	6.53
YY08516		0.53	0.06	2.57	6.3	360	0.67	0.10	0.65	0.20	31.7	100.5	1800	1.17	16.1	7.72
YY08517		0.53	0.05	3.34	7.0	480	0.94	0.12	0.91	0.22	53.3	86.9	1160	1.39	17.6	6.55
YY08518		0.51	0.06	3.56	7.1	520	0.95	0.13	1.17	0.22	46.7	71.6	1250	1.72	17.4	6.30
YY08519		0.49	0.05	3.98	6.3	580	1.01	0.13	1.10	0.23	47.7	68.6	1010	1.90	18.6	5.98
YY08520		0.51	0.04	3.24	5.4	430	0.89	0.11	1.01	0.17	37.4	61.3	1240	1.39	19.6	5.41
YY08521		0.58	0.03	3.39	3.3	440	0.82	0.07	1.63	0.12	32.8	70.4	1020	1.34	15.1	5.03
YY08522		0.57	0.05	3.07	4.7	400	0.71	0.09	1.25	0.14	36.6	83.7	1900	1.17	22.3	6.65
YY08523		0.56	0.04	3.24	4.1	440	0.81	0.09	1.26	0.14	38.0	80.8	1530	1.32	22.5	6.09
YY08524		0.57	0.06	3.51	5.7	460	0.85	0.10	1.25	0.18	42.1	74.1	1230	1.55	28.8	6.03
YY08525		0.58	0.04	3.41	7.3	460	0.89	0.12	1.00	0.22	33.1	94.7	1580	2.77	19.0	7.52
YY08526		0.54	0.03	1.14	11.2	140	0.23	0.04	0.76	0.08	9.42	142.5	1470	0.93	17.7	7.14
YY08527		0.61	0.03	2.06	5.1	260	0.46	0.07	1.02	0.20	24.6	115.0	1810	1.04	32.2	8.69
YY08528		0.53	0.03	7.99	1.4	300	0.81	0.08	5.51	0.16	29.7	48.8	384	1.89	76.7	6.90
YY08529		0.54	0.02	7.43	1.4	310	0.65	0.06	5.27	0.16	29.7	43.6	400	3.45	49.5	7.86
YY08530		0.45	0.09	7.20	2.2	930	1.22	0.13	2.01	0.11	36.1	14.7	280	3.04	23.9	2.82
YY08531		0.57	0.05	4.59	3.6	500	0.98	0.09	2.13	0.13	27.0	73.2	1170	2.89	40.6	6.20
YY08532		0.64	0.05	7.79	0.6	370	0.69	0.03	6.16	0.19	26.1	46.5	231	2.09	131.5	7.20
YY08533		0.45	0.10	6.79	3.0	610	0.98	0.16	4.04	0.12	44.3	27.1	246	2.82	34.2	6.20
YY08534		0.39	0.05	5.52	5.0	660	0.92	0.13	1.36	0.16	35.9	49.6	523	1.63	19.4	4.31
YY08535		0.49	0.03	4.09	6.3	520	0.96	0.18	0.95	0.20	44.4	82.3	1260	1.63	14.4	6.75
YY08536		0.52	0.03	4.54	6.0	590	1.05	0.16	1.08	0.29	40.0	76.7	1090	2.49	14.4	6.79
YY08537		0.43	0.04	4.20	6.2	520	0.95	0.14	1.00	0.14	36.1	69.1	732	2.02	14.8	5.29
YY08538		0.48	0.07	6.19	3.4	770	1.13	0.14	1.47	0.11	38.1	32.5	556	1.83	15.7	3.95
YY08539		0.57	0.03	3.58	6.9	440	0.80	0.13	0.95	0.15	35.7	75.6	1300	1.48	13.4	6.86
YY08540		0.53	0.03	3.99	6.5	570	1.13	0.17	1.15	0.19	42.8	89.4	1130	2.12	19.6	6.96





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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
YY08501		12.90	0.07	1.3	0.049	1.51	24.1	15.5	1.58	496	0.65	1.39	12.3	120.0	240	15.4
YY08502		13.80	0.09	1.4	0.039	1.48	27.7	12.7	1.23	364	0.41	1.40	13.8	75.2	190	14.0
YY08503		13.45	0.07	1.4	0.050	1.44	24.6	15.1	1.49	493	0.76	1.40	13.0	88.2	400	13.9
YY08504		13.40	0.09	1.3	0.047	1.53	25.9	15.6	1.82	533	0.66	1.45	12.4	133.0	300	13.4
YY08505		11.40	0.09	1.2	0.043	1.40	32.3	14.3	4.21	680	0.68	1.25	11.1	483	630	11.4
YY08506		7.86	0.05	1.4	0.023	0.83	17.1	10.1	12.30	827	0.67	0.98	5.3	1635	530	5.7
YY08507		6.58	0.07	1.1	0.027	0.66	21.2	10.9	13.15	1220	0.63	0.56	6.3	1700	600	7.3
YY08508		10.05	0.06	1.6	0.034	1.02	23.3	16.9	7.54	1020	0.87	0.91	8.6	1060	880	9.9
YY08509		7.12	0.06	1.2	0.024	0.71	20.0	10.4	12.10	854	0.53	0.73	5.9	1610	640	6.9
YY08510		3.99	0.05	0.6	0.017	0.38	9.4	6.7	18.75	1340	0.41	0.30	3.9	2450	560	4.5
YY08511		4.66	<0.05	0.7	0.020	0.46	11.8	7.9	17.40	1060	0.41	0.38	4.4	2190	590	5.1
YY08512		4.89	0.05	0.8	0.022	0.48	15.2	7.5	17.90	1160	0.42	0.47	4.9	2170	340	5.2
YY08513		3.55	<0.05	0.6	0.015	0.34	7.5	5.5	18.05	1660	0.35	0.30	2.9	2200	300	3.8
YY08514		3.11	<0.05	0.4	0.016	0.27	5.7	4.4	18.15	1780	0.34	0.21	2.4	2410	600	3.2
YY08515		7.20	0.05	1.2	0.021	0.76	14.8	10.6	12.00	1210	0.64	0.75	4.7	1585	940	6.5
YY08516		5.76	0.05	0.9	0.024	0.57	16.0	8.7	14.85	1100	0.47	0.55	5.4	1860	540	5.9
YY08517		7.61	0.07	1.3	0.029	0.79	26.4	11.4	11.30	1020	0.56	0.81	8.3	1410	370	7.9
YY08518		8.05	0.06	1.2	0.032	0.81	24.6	12.3	9.25	915	0.58	0.80	8.8	1240	790	8.0
YY08519		8.85	0.07	1.3	0.033	0.93	25.4	13.8	7.74	952	0.60	0.91	9.0	1035	660	8.3
YY08520		7.36	0.06	1.2	0.023	0.72	19.7	10.8	11.50	713	0.50	0.77	6.5	1345	530	6.6
YY08521		7.02	0.06	1.1	0.025	0.78	17.2	10.5	11.40	845	0.45	0.92	5.7	1345	290	5.4
YY08522		6.71	0.05	1.0	0.023	0.65	19.1	9.3	12.55	932	0.51	0.75	6.3	1600	320	5.6
YY08523		7.05	0.06	0.9	0.025	0.70	19.5	9.9	11.75	865	0.42	0.82	6.9	1535	250	6.0
YY08524		7.65	0.06	1.0	0.029	0.74	22.0	11.5	11.45	924	0.55	0.86	7.8	1345	410	6.6
YY08525		7.91	0.05	0.9	0.030	0.66	16.7	11.3	10.20	1240	0.51	0.65	7.1	1410	740	7.0
YY08526		2.49	<0.05	0.3	0.011	0.20	4.5	3.6	16.40	1220	0.23	0.22	2.0	2500	240	2.1
YY08527		4.53	<0.05	0.6	0.018	0.39	12.9	6.2	16.75	1370	0.33	0.44	4.5	2010	430	4.1
YY08528		16.25	0.06	0.5	0.063	0.45	14.1	20.6	4.51	1100	0.33	1.77	17.4	251	620	3.9
YY08529		17.35	0.07	0.8	0.063	0.58	14.6	16.8	4.53	1080	0.37	1.81	10.6	208	600	4.0
YY08530		16.95	0.08	2.7	0.022	1.88	19.5	18.4	1.92	530	1.31	2.41	7.0	147.0	680	8.5
YY08531		9.95	0.05	0.7	0.034	0.55	13.8	12.0	9.62	924	0.37	1.14	6.9	1375	370	5.9
YY08532		15.85	0.06	0.5	0.066	0.48	12.4	16.7	4.12	1270	0.42	1.84	12.3	126.0	750	2.8
YY08533		20.5	0.08	1.4	0.065	1.07	21.4	11.9	3.19	1000	0.79	1.46	17.2	89.0	850	8.5
YY08534		12.55	0.06	2.0	0.025	1.39	18.9	15.4	6.89	810	0.96	1.69	6.8	791	510	8.0
YY08535		9.19	0.05	1.3	0.032	0.96	21.6	13.0	9.92	1020	0.69	0.98	7.9	1295	350	8.1
YY08536		10.95	0.07	1.3	0.039	0.93	20.7	15.8	8.46	1220	0.69	0.88	10.3	1045	880	9.1
YY08537		9.55	0.06	1.3	0.028	0.96	18.6	14.2	8.48	1040	0.63	0.96	7.9	1080	800	7.9
YY08538		14.25	0.08	2.4	0.026	1.67	20.1	18.2	4.18	638	1.14	2.02	7.2	484	550	8.9
YY08539		8.03	0.05	1.2	0.027	0.84	17.7	11.1	10.35	928	0.54	0.90	7.1	1265	410	7.0
YY08540		9.33	0.05	1.4	0.033	0.96	19.7	15.2	11.30	1110	0.57	0.81	8.6	1565	440	7.8



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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
YY08501		64.1	<0.002	0.01	0.55	10.7	1	2.1	183.5	1.15	0.06	7.20	0.369	0.37	1.8	85
YY08502		64.4	<0.002	0.01	0.41	9.7	<1	2.2	176.5	1.00	<0.05	7.79	0.369	0.35	1.8	74
YY08503		62.4	<0.002	0.01	0.58	11.4	1	2.0	190.0	0.94	0.08	6.94	0.374	0.35	1.8	93
YY08504		67.1	<0.002	0.01	0.44	11.7	1	2.1	191.0	0.90	0.06	6.62	0.387	0.36	1.8	92
YY08505		57.7	<0.002	0.01	0.34	12.8	1	1.8	173.0	0.77	<0.05	8.32	0.359	0.32	2.3	84
YY08506		29.7	<0.002	0.03	0.56	10.1	1	0.7	189.5	0.37	<0.05	4.16	0.187	0.16	1.4	64
YY08507		36.0	<0.002	0.04	0.81	11.7	1	0.9	77.7	0.45	<0.05	5.68	0.193	0.20	1.6	69
YY08508		51.2	<0.002	0.06	0.81	10.6	1	1.2	144.5	0.63	<0.05	6.23	0.241	0.31	1.7	71
YY08509		32.3	<0.002	0.03	0.63	10.8	<1	0.9	126.5	0.43	<0.05	5.96	0.202	0.18	1.5	70
YY08510		21.9	<0.002	0.04	0.52	8.7	1	0.6	39.8	0.27	<0.05	2.80	0.111	0.12	0.8	48
YY08511		25.7	<0.002	0.05	0.53	9.2	1	0.7	50.3	0.31	<0.05	3.50	0.128	0.14	0.9	47
YY08512		23.0	<0.002	0.02	0.68	9.5	1	0.7	67.4	0.34	<0.05	3.95	0.168	0.13	1.1	61
YY08513		16.5	<0.002	0.03	1.09	9.3	1	0.5	39.7	0.21	<0.05	2.20	0.091	0.09	0.7	46
YY08514		16.2	<0.002	0.06	0.67	11.6	1	0.4	29.9	0.17	<0.05	1.74	0.078	0.10	0.6	46
YY08515		35.3	<0.002	0.08	0.73	9.7	1	0.7	132.5	0.33	<0.05	4.04	0.153	0.18	1.2	52
YY08516		28.4	<0.002	0.04	0.62	10.7	<1	0.7	75.7	0.42	<0.05	4.60	0.170	0.18	1.2	64
YY08517		38.4	<0.002	0.03	0.72	12.1	<1	1.0	113.0	0.55	<0.05	7.20	0.254	0.23	1.8	74
YY08518		43.2	<0.002	0.05	0.74	13.4	1	1.0	112.5	0.59	<0.05	6.17	0.266	0.23	1.7	76
YY08519		46.4	<0.002	0.04	0.74	12.6	<1	1.1	123.5	0.63	0.05	6.41	0.283	0.26	1.6	81
YY08520		33.9	<0.002	0.03	0.57	10.7	1	0.8	117.0	0.44	<0.05	4.95	0.211	0.20	1.5	65
YY08521		31.1	<0.002	0.02	0.57	10.0	<1	0.7	155.0	0.38	<0.05	4.34	0.199	0.21	1.2	60
YY08522		27.4	<0.002	0.02	0.61	12.5	<1	0.8	116.0	0.42	<0.05	4.73	0.251	0.16	1.3	81
YY08523		32.0	<0.002	0.02	0.57	12.5	1	0.9	105.5	0.47	<0.05	4.96	0.251	0.17	1.2	80
YY08524		32.9	<0.002	0.01	0.82	12.7	<1	1.0	111.0	0.51	<0.05	5.41	0.279	0.20	1.4	85
YY08525		40.3	<0.002	0.04	0.63	15.1	<1	1.0	80.8	0.48	<0.05	4.23	0.239	0.22	1.0	88
YY08526		9.7	<0.002	0.02	0.29	12.3	<1	0.3	31.2	0.14	<0.05	1.42	0.077	0.07	0.3	47
YY08527		19.4	<0.002	0.03	0.71	13.8	1	0.5	57.7	0.28	0.05	3.26	0.160	0.11	1.0	75
YY08528		11.1	<0.002	0.02	0.24	35.7	1	0.9	201	0.90	<0.05	2.44	0.696	0.11	0.6	236
YY08529		29.9	<0.002	0.02	0.29	37.8	1	1.0	164.0	0.65	0.05	2.59	0.809	0.10	0.6	247
YY08530		48.6	<0.002	0.03	0.44	8.3	1	0.8	453	0.47	<0.05	4.66	0.282	0.26	1.8	66
YY08531		27.7	<0.002	0.02	0.42	18.8	1	0.8	156.5	0.42	<0.05	3.23	0.351	0.16	0.7	115
YY08532		12.4	<0.002	0.02	0.19	37.4	1	0.9	151.5	0.70	<0.05	1.79	0.847	0.12	0.6	251
YY08533		40.6	<0.002	0.03	0.35	30.8	<1	2.1	122.5	0.99	<0.05	4.80	0.863	0.20	1.2	243
YY08534		43.2	<0.002	0.03	0.61	8.9	<1	0.8	324	0.61	<0.05	5.06	0.218	0.23	1.6	57
YY08535		44.0	<0.002	0.02	0.74	11.7	<1	1.1	153.5	0.53	<0.05	5.82	0.253	0.23	1.5	79
YY08536		50.0	<0.002	0.04	0.67	14.9	<1	1.3	118.5	0.67	0.05	5.47	0.294	0.26	1.4	94
YY08537		46.0	<0.002	0.04	0.65	11.7	<1	1.0	161.5	0.51	<0.05	5.21	0.229	0.23	1.3	69
YY08538		50.1	<0.002	0.03	0.55	7.5	<1	0.9	389	0.49	<0.05	5.09	0.243	0.26	1.8	59
YY08539		36.2	<0.002	0.02	0.80	11.0	<1	0.9	141.0	0.46	<0.05	4.82	0.230	0.18	1.2	74
YY08540		38.8	<0.002	0.02	0.61	13.7	1	1.3	112.0	0.55	<0.05	6.07	0.264	0.23	1.3	81



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
		W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.1	0.1	2	0.5	0.001
YY08501		1.3	14.0	52	44.2	<0.001
YY08502		1.2	14.9	42	49.9	<0.001
YY08503		3.5	14.5	53	49.5	<0.001
YY08504		1.2	15.5	58	49.0	<0.001
YY08505		1.1	18.2	62	42.4	<0.001
YY08506		0.7	7.7	78	54.4	<0.001
YY08507		1.2	9.3	71	39.5	<0.001
YY08508		1.5	11.1	79	57.8	<0.001
YY08509		1.6	8.9	79	43.8	<0.001
YY08510		1.3	5.0	71	22.7	<0.001
YY08511		1.4	6.0	71	24.7	<0.001
YY08512		1.1	7.6	71	27.7	<0.001
YY08513		1.6	4.6	50	15.9	<0.001
YY08514		1.7	3.9	61	14.4	<0.001
YY08515		1.3	7.2	72	44.9	<0.001
YY08516		1.1	7.6	73	32.2	<0.001
YY08517		1.3	11.3	63	49.8	<0.001
YY08518		1.5	12.1	70	49.1	<0.001
YY08519		1.2	12.7	69	47.1	<0.001
YY08520		0.9	9.7	66	43.5	<0.001
YY08521		1.1	8.4	59	40.9	<0.001
YY08522		1.1	9.9	68	38.2	<0.001
YY08523		1.0	9.7	66	31.2	<0.001
YY08524		0.9	11.5	69	37.4	<0.001
YY08525		1.5	8.4	94	35.1	<0.001
YY08526		1.2	2.8	55	9.8	<0.001
YY08527		1.2	7.7	77	24.8	<0.001
YY08528		0.4	20.4	91	14.2	<0.001
YY08529		0.5	22.4	98	21.5	<0.001
YY08530		0.7	8.5	59	112.5	<0.001
YY08531		0.6	11.7	81	23.8	<0.001
YY08532		0.3	24.5	94	12.0	<0.001
YY08533		1.0	21.8	87	57.0	<0.001
YY08534		1.0	8.2	64	85.0	<0.001
YY08535		1.5	9.1	68	77.9	<0.001
YY08536		1.1	11.6	82	54.5	<0.001
YY08537		1.1	9.0	68	55.8	<0.001
YY08538		0.9	8.0	65	97.4	<0.001
YY08539		1.2	8.1	62	48.0	<0.001
YY08540		1.2	10.8	71	55.3	<0.001



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Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
YY08541		0.54	0.03	1.48	9.0	160	0.41	0.05	0.29	0.23	12.75	209	2050	0.62	11.9	11.25
YY08542		0.57	0.04	3.14	7.3	340	0.53	0.07	0.75	0.12	16.55	144.5	1410	0.86	13.1	8.84
YY08543		0.67	0.03	0.73	5.7	70	0.09	0.01	0.24	0.08	2.33	180.0	1890	0.28	23.2	8.30
YY08544		0.46	0.05	2.30	8.4	270	0.34	0.06	0.59	0.16	16.25	142.0	1750	0.89	14.1	8.19
YY08545		0.51	0.05	1.72	7.7	180	0.34	0.04	0.45	0.08	9.53	116.5	1120	0.85	11.1	6.49
YY08546		0.63	0.03	0.70	7.7	80	0.17	0.02	0.29	0.07	4.76	153.0	1790	0.52	8.9	8.32
YY08547		0.52	0.06	4.87	4.0	550	0.94	0.09	1.49	0.12	25.0	76.7	1160	1.25	21.0	5.80
YY08548		0.42	0.04	2.24	3.8	290	0.57	0.07	0.78	0.15	31.0	93.0	2240	0.90	15.5	7.03
YY08549		0.55	0.06	3.41	3.9	440	0.78	0.09	1.01	0.19	28.9	75.3	1410	1.39	18.0	5.39
YY08550		0.52	0.05	6.07	2.6	800	1.05	0.12	2.06	0.09	44.0	37.9	490	2.80	19.4	4.33
YY08551		0.58	0.05	3.22	4.3	430	0.74	0.31	1.28	0.17	37.6	86.4	1610	1.32	21.1	6.51
YY08552		0.55	0.03	3.81	4.8	490	0.88	0.09	1.42	0.22	34.8	87.7	1410	1.68	21.7	7.21
YY08553		0.54	0.06	3.24	5.0	430	0.75	0.11	1.29	0.17	42.8	79.6	1520	1.32	22.1	6.68
YY08554		0.55	0.04	2.86	4.1	380	0.57	0.08	1.40	0.12	32.2	104.5	1820	0.92	19.4	7.02
YY08555		0.49	0.04	3.67	4.1	450	0.64	0.09	1.21	0.17	31.2	56.7	1310	1.27	21.1	5.71
YY08556		0.49	0.03	4.00	4.1	500	0.72	0.09	1.93	0.19	30.8	73.8	1340	1.59	24.8	6.92
YY08557		0.61	0.04	3.02	4.5	400	0.52	0.10	1.35	0.14	31.4	70.2	1790	1.55	22.7	7.10
YY08558		0.56	0.03	3.78	3.9	370	0.65	0.07	1.81	0.15	29.4	86.0	1230	1.59	29.0	7.23
YY08559		0.62	0.05	6.98	2.3	420	0.78	0.10	4.57	0.11	30.4	35.5	344	2.74	35.8	6.24
YY08560		0.45	0.03	6.62	2.2	910	0.98	0.16	3.24	0.14	45.1	36.7	495	5.75	19.8	5.24
YY08561		0.55	0.06	3.84	1.6	1240	0.99	0.13	1.09	0.07	37.3	35.6	737	4.13	87.9	5.92
YY08562		0.55	0.03	5.16	10.6	710	1.14	0.17	1.13	0.32	68.2	50.4	705	2.10	16.6	5.62
YY08563		0.65	0.04	5.36	10.0	750	1.33	0.17	1.22	0.32	77.2	42.4	834	2.20	16.3	5.64
YY08564		0.57	0.04	5.15	10.5	700	1.27	0.16	1.31	0.23	58.8	48.7	395	2.28	18.3	4.80
YY08565		0.55	0.12	3.64	19.1	460	0.83	0.13	1.05	0.21	43.6	85.9	762	1.95	24.6	6.28
YY08566		0.57	0.07	3.93	11.9	510	0.95	0.12	1.29	0.13	49.0	60.9	884	1.56	16.3	6.46
YY08567		0.53	0.08	2.54	24.7	320	0.59	0.09	0.68	0.22	23.1	113.5	1070	1.62	17.6	7.54
YY08568		0.58	0.08	2.18	24.2	270	0.44	0.09	0.76	0.27	17.55	155.5	1050	1.55	14.8	7.18
YY08569		0.56	0.08	1.59	27.4	190	0.31	0.06	0.53	0.21	12.55	155.0	1640	1.26	16.2	8.87
YY08570		0.54	0.05	0.75	12.2	60	0.10	0.02	0.27	0.12	3.10	129.0	1700	0.39	11.1	7.64
YY08571		0.51	0.03	0.96	5.6	100	0.14	0.03	0.48	0.09	4.71	128.5	1580	0.56	18.3	6.56
YY08572		0.42	0.06	5.63	4.9	820	1.58	0.08	1.32	0.10	27.3	56.0	576	6.77	16.9	4.37
YY08573		0.47	0.09	7.98	14.3	1420	1.69	0.16	1.64	0.12	76.8	30.6	219	5.63	66.7	6.55
YY08574		0.45	0.09	7.95	1.7	490	0.70	0.07	4.85	0.14	28.3	41.0	310	2.49	188.5	6.69
YY08575		0.74	0.08	7.45	3.0	690	0.79	0.14	4.69	0.19	31.4	47.2	239	2.45	175.0	7.10
YY08576		0.49	0.05	7.88	4.8	700	0.90	0.05	4.73	0.12	34.0	43.9	355	3.65	87.2	6.94
YY08577		0.46	0.07	7.60	2.7	520	0.80	0.09	3.90	0.13	28.9	29.3	239	3.13	48.2	5.38
YY08578		0.57	0.05	8.09	1.8	430	0.79	0.06	4.78	0.14	25.9	36.5	246	2.59	93.1	6.08
YY08579		0.48	0.03	2.48	6.0	310	0.52	0.08	0.99	0.17	24.9	87.5	1680	1.16	18.1	6.90
YY08580		0.53	0.04	4.04	5.6	490	0.68	0.10	1.36	0.17	33.8	65.8	1340	1.46	23.0	6.46



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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
YY08541		3.49	<0.05	0.6	0.013	0.33	5.6	4.3	16.40	1940	0.39	0.29	2.4	3400	360	2.4
YY08542		6.66	<0.05	1.1	0.014	0.76	8.2	8.1	14.05	1440	0.66	0.96	2.5	2670	330	3.8
YY08543		1.53	<0.05	0.1	0.006	0.09	1.2	1.4	21.0	1770	0.20	0.10	0.5	2910	160	0.8
YY08544		5.38	<0.05	0.8	0.013	0.53	7.5	6.4	14.60	1510	0.55	0.62	2.5	2150	440	3.5
YY08545		3.69	<0.05	0.6	0.009	0.37	5.0	5.3	18.50	1310	0.39	0.43	1.8	2200	330	2.7
YY08546		1.56	<0.05	0.2	0.008	0.11	2.4	2.4	21.0	1560	0.26	0.10	1.1	2720	270	1.3
YY08547		10.80	0.05	1.9	0.017	1.24	13.7	12.9	9.34	995	0.90	1.58	4.1	1360	560	6.0
YY08548		4.90	<0.05	0.8	0.017	0.48	15.6	6.8	15.80	935	0.38	0.54	4.8	1905	410	4.5
YY08549		7.54	0.06	1.1	0.020	0.80	15.1	9.9	11.90	861	0.59	0.91	4.9	1400	570	5.5
YY08550		14.05	0.06	1.6	0.041	1.16	22.5	17.3	4.21	1030	0.58	1.65	11.3	374	600	9.3
YY08551		6.89	0.05	0.9	0.024	0.67	19.5	9.2	12.65	1020	0.50	0.79	7.1	1555	410	5.9
YY08552		8.23	0.05	0.9	0.030	0.72	16.8	10.8	10.55	1120	0.50	0.90	7.6	1495	510	5.9
YY08553		7.60	0.11	1.2	0.030	0.68	22.3	9.8	11.40	923	0.79	0.77	7.7	1410	440	7.7
YY08554		6.03	0.08	0.8	0.022	0.58	15.8	6.8	13.00	1120	0.47	0.74	6.1	1800	290	4.9
YY08555		7.78	0.08	1.3	0.023	0.82	16.8	9.6	11.00	700	0.56	0.97	5.7	1270	610	5.5
YY08556		8.73	0.10	0.9	0.030	0.62	15.4	10.4	10.80	991	0.37	0.95	7.5	1350	540	5.7
YY08557		6.58	0.09	0.9	0.031	0.58	16.8	8.5	12.05	871	0.44	0.67	6.2	1530	680	5.2
YY08558		8.53	0.09	0.7	0.034	0.56	13.9	8.9	13.00	1060	0.33	0.96	6.9	1460	570	5.7
YY08559		15.70	0.08	0.8	0.054	0.72	14.1	16.0	3.86	855	0.47	1.76	10.3	181.0	470	5.5
YY08560		18.10	0.11	1.4	0.060	1.06	22.6	17.0	4.24	858	0.83	1.48	15.1	242	440	9.4
YY08561		10.70	0.10	0.3	0.058	1.12	24.9	14.4	6.12	644	0.55	0.63	5.9	830	930	14.8
YY08562		11.35	0.12	1.9	0.037	1.27	31.8	19.0	5.95	772	0.83	1.18	11.7	838	270	11.0
YY08563		12.65	0.14	2.1	0.048	1.26	38.0	20.1	4.82	689	0.78	1.22	13.6	648	460	11.5
YY08564		11.30	0.10	1.6	0.038	1.22	29.4	18.1	5.07	937	0.80	1.24	11.5	649	430	10.0
YY08565		8.58	0.11	1.3	0.030	0.76	23.6	13.4	12.00	1240	0.66	0.73	8.2	1370	650	8.0
YY08566		8.59	0.10	1.4	0.036	0.88	26.5	13.4	9.34	840	0.61	0.90	9.0	1100	400	8.1
YY08567		5.50	0.08	0.8	0.021	0.50	11.2	8.8	14.60	1740	0.41	0.43	4.7	1860	700	6.5
YY08568		4.89	0.06	0.7	0.014	0.43	8.1	7.1	14.50	2190	0.42	0.37	4.0	1850	770	5.3
YY08569		3.49	0.09	0.5	0.013	0.27	6.3	5.8	17.20	2170	0.31	0.26	2.6	2380	560	5.4
YY08570		1.61	0.07	0.2	0.011	0.07	1.7	2.0	21.3	1580	0.15	0.09	0.7	2270	310	1.9
YY08571		2.25	0.05	0.2	0.013	0.11	2.4	2.6	19.25	1360	0.17	0.15	1.5	2140	420	1.7
YY08572		15.50	0.08	1.1	0.031	0.50	12.9	17.0	9.77	632	0.25	2.56	7.5	1080	380	11.9
YY08573		20.6	0.14	0.9	0.072	1.81	38.8	26.1	2.42	1220	0.98	2.61	18.9	243	1410	17.4
YY08574		15.90	0.09	0.8	0.058	0.64	12.7	26.4	3.82	1080	0.72	1.96	11.5	141.0	1040	6.3
YY08575		16.90	0.09	0.7	0.072	0.74	12.9	23.0	3.80	1360	0.45	1.60	9.1	156.5	670	15.3
YY08576		16.90	0.10	0.5	0.063	0.54	17.1	22.2	3.59	1100	0.49	2.01	16.0	209	780	5.2
YY08577		17.60	0.10	1.3	0.049	0.94	13.4	19.9	2.68	853	0.83	2.19	11.7	101.0	760	6.6
YY08578		16.30	0.09	0.9	0.058	0.63	10.9	21.0	3.28	962	0.78	2.05	9.0	110.5	660	4.3
YY08579		5.64	0.07	0.9	0.021	0.52	11.7	6.8	14.05	927	0.34	0.57	4.9	1670	450	4.5
YY08580		8.81	0.08	1.4	0.023	0.89	17.5	10.1	10.60	850	0.59	1.11	5.8	1250	660	5.8



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
YY08541		11.9	<0.002	0.02	1.39	12.5	<1	0.4	53.1	0.15	<0.05	1.52	0.059	0.07	0.5	49
YY08542		21.5	<0.002	0.02	0.79	11.0	<1	0.4	199.0	0.18	<0.05	2.13	0.099	0.12	0.8	50
YY08543		4.3	<0.002	0.02	0.52	10.1	<1	<0.2	19.3	<0.05	<0.05	0.34	0.020	0.02	0.1	45
YY08544		18.6	<0.002	0.03	0.84	11.5	<1	0.3	121.0	0.17	<0.05	2.02	0.094	0.09	0.7	52
YY08545		12.8	<0.002	0.03	0.82	9.3	<1	0.3	80.3	0.13	<0.05	1.43	0.068	0.08	0.5	37
YY08546		6.2	<0.002	0.02	0.71	10.0	<1	0.2	15.8	0.09	<0.05	0.69	0.037	0.03	0.2	40
YY08547		32.4	<0.002	0.02	0.54	8.4	<1	0.5	334	0.28	<0.05	3.30	0.172	0.17	1.2	54
YY08548		21.0	<0.002	0.03	0.48	9.7	1	0.6	84.2	0.34	<0.05	3.82	0.163	0.14	1.1	62
YY08549		30.6	<0.002	0.03	0.47	9.6	<1	0.7	155.0	0.35	<0.05	3.68	0.178	0.17	1.2	58
YY08550		53.5	<0.002	0.02	0.44	14.6	<1	1.3	235	0.79	<0.05	5.08	0.443	0.30	1.5	113
YY08551		30.2	<0.002	0.03	0.61	12.1	<1	0.9	102.5	0.46	0.10	4.95	0.252	0.17	1.2	79
YY08552		35.5	<0.002	0.02	0.72	14.9	<1	0.9	104.0	0.50	<0.05	4.83	0.291	0.19	1.2	93
YY08553		32.4	<0.002	0.03	0.88	13.4	<1	1.0	109.0	0.54	<0.05	6.19	0.254	0.21	1.6	85
YY08554		20.8	<0.002	0.02	0.62	11.5	<1	0.8	87.5	0.40	<0.05	3.99	0.250	0.16	0.9	82
YY08555		29.0	<0.002	0.03	0.54	10.3	<1	0.7	164.5	0.40	<0.05	4.39	0.214	0.17	1.3	71
YY08556		29.5	<0.002	0.03	0.50	16.8	<1	0.9	95.4	0.47	<0.05	4.52	0.310	0.17	1.0	108
YY08557		27.2	<0.002	0.04	0.65	13.4	<1	0.8	84.1	0.43	<0.05	4.39	0.231	0.15	1.1	84
YY08558		32.2	<0.002	0.04	0.46	17.6	<1	0.8	82.1	0.43	<0.05	4.48	0.275	0.16	0.9	105
YY08559		29.2	<0.002	0.01	0.31	28.6	<1	1.3	149.0	0.63	<0.05	3.38	0.679	0.16	0.8	201
YY08560		64.6	<0.002	0.02	0.51	23.9	<1	1.9	152.0	0.95	<0.05	5.84	0.629	0.28	1.3	181
YY08561		40.0	<0.002	0.18	0.24	10.2	<1	1.1	557	0.36	0.06	3.99	0.219	0.24	1.3	195
YY08562		53.5	<0.002	0.01	1.49	11.1	<1	1.6	161.5	0.78	0.05	9.74	0.346	0.36	2.1	96
YY08563		54.3	<0.002	0.02	1.34	12.1	<1	1.9	173.0	0.98	<0.05	11.00	0.398	0.39	2.3	103
YY08564		52.5	<0.002	0.02	1.66	12.0	<1	1.6	158.0	0.82	<0.05	9.26	0.364	0.33	1.9	97
YY08565		38.2	<0.002	0.04	2.78	13.5	<1	1.2	101.5	0.56	<0.05	6.78	0.238	0.23	1.8	76
YY08566		38.3	<0.002	0.02	2.10	12.2	1	1.2	116.0	0.62	<0.05	7.31	0.290	0.24	1.9	89
YY08567		26.7	<0.002	0.05	3.36	11.7	<1	0.7	52.6	0.31	<0.05	3.66	0.143	0.16	0.9	65
YY08568		23.5	<0.002	0.06	3.13	12.4	<1	0.6	48.0	0.27	<0.05	2.43	0.113	0.14	0.7	55
YY08569		12.9	<0.002	0.06	3.85	10.6	<1	0.4	39.9	0.18	<0.05	1.92	0.082	0.08	0.5	56
YY08570		3.5	<0.002	0.04	2.80	9.0	<1	<0.2	17.2	<0.05	<0.05	0.46	0.028	0.02	0.2	44
YY08571		6.7	<0.002	0.05	0.93	10.1	<1	0.2	24.6	0.10	<0.05	0.73	0.052	0.04	0.2	45
YY08572		41.6	<0.002	0.02	0.59	9.8	<1	1.0	231	0.39	<0.05	4.82	0.223	0.46	1.0	76
YY08573		88.8	<0.002	0.05	0.98	21.4	<1	1.9	416	1.03	0.06	10.60	0.541	0.52	2.2	161
YY08574		33.2	<0.002	0.07	0.36	33.6	<1	0.9	222	0.70	<0.05	2.75	0.645	0.21	0.9	217
YY08575		28.2	<0.002	0.01	0.35	34.9	<1	1.2	135.5	0.54	0.05	3.17	0.704	0.24	0.7	228
YY08576		31.2	<0.002	0.03	0.35	37.1	1	1.0	229	0.92	<0.05	3.18	0.688	0.23	0.7	235
YY08577		34.3	<0.002	0.03	0.34	26.1	1	1.0	291	0.74	<0.05	3.18	0.600	0.17	1.0	186
YY08578		13.1	<0.002	0.03	0.37	29.8	<1	1.0	195.5	0.58	<0.05	2.69	0.663	0.15	0.8	203
YY08579		21.3	<0.002	0.03	0.56	11.2	<1	0.6	77.4	0.37	<0.05	3.54	0.166	0.13	1.0	70
YY08580		29.6	<0.002	0.03	0.71	11.2	<1	0.8	217	0.37	<0.05	4.63	0.234	0.20	1.4	79



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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
		W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.1	0.1	2	0.5	0.001
YY08541		1.4	2.9	65	23.5	<0.001
YY08542		0.9	3.9	62	48.5	<0.001
YY08543		0.6	0.9	49	5.4	0.011
YY08544		1.6	3.7	60	32.5	<0.001
YY08545		1.4	2.8	51	23.4	<0.001
YY08546		1.2	1.8	54	6.8	<0.001
YY08547		0.8	6.0	72	76.7	<0.001
YY08548		0.8	6.8	71	31.3	<0.001
YY08549		0.8	7.3	66	46.0	0.002
YY08550		1.1	12.3	82	61.4	<0.001
YY08551		0.9	9.8	69	34.6	<0.001
YY08552		1.2	10.5	75	36.0	0.003
YY08553		2.3	11.2	73	41.7	<0.001
YY08554		1.1	8.4	70	25.0	0.003
YY08555		0.9	8.1	70	46.1	<0.001
YY08556		1.3	10.2	82	30.4	<0.001
YY08557		1.3	9.0	77	31.3	<0.001
YY08558		1.4	9.2	76	22.6	0.005
YY08559		0.7	17.4	90	25.0	<0.001
YY08560		1.6	15.9	79	54.9	<0.001
YY08561		0.5	14.2	77	9.7	<0.001
YY08562		2.5	12.4	77	65.3	<0.001
YY08563		2.7	13.7	77	69.4	<0.001
YY08564		2.7	13.1	72	58.4	0.003
YY08565		3.5	12.6	72	47.3	0.012
YY08566		3.0	12.8	67	48.1	0.009
YY08567		5.1	7.6	66	24.9	0.019
YY08568		4.4	6.4	63	23.8	0.003
YY08569		4.3	4.3	62	16.1	0.008
YY08570		3.0	1.3	54	5.7	0.006
YY08571		2.2	1.9	57	6.3	0.003
YY08572		1.0	8.2	103	40.9	<0.001
YY08573		0.9	23.7	140	32.6	0.002
YY08574		0.5	21.4	104	24.0	0.004
YY08575		0.6	22.6	110	17.8	<0.001
YY08576		1.2	23.2	96	14.2	0.004
YY08577		0.8	16.5	91	47.3	<0.001
YY08578		0.8	18.9	95	28.0	0.003
YY08579		1.1	6.4	70	28.8	<0.001
YY08580		1.3	8.3	72	50.7	0.018





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Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
YY08581		0.56	0.05	2.88	4.8	350	0.56	0.08	1.12	0.17	30.0	71.3	1560	1.23	21.4	6.56
YY08582		0.51	0.05	2.58	4.4	340	0.53	0.07	1.04	0.17	29.1	93.2	1840	1.07	19.3	6.74
YY08583		0.50	0.02	2.29	5.3	260	0.42	0.08	1.16	0.15	21.2	123.5	2290	1.15	14.1	9.31
YY08584		0.54	0.04	2.65	4.9	330	0.56	0.07	1.02	0.18	29.6	95.9	1880	1.17	17.4	7.38
YY08585		0.56	0.05	2.99	5.3	410	0.67	0.10	1.02	0.19	34.4	84.4	1370	1.43	18.5	6.08
YY08586		0.51	0.03	3.45	5.6	450	0.79	0.12	1.29	0.26	34.4	116.0	1740	1.80	19.5	8.12
YY08587		0.53	0.04	2.36	3.9	290	0.45	0.06	0.87	0.11	21.4	103.5	1920	1.03	16.6	7.72
YY08588		0.52	0.05	1.63	4.3	280	0.38	0.08	0.75	0.17	17.55	226	1940	1.14	21.6	7.42
YY08589		0.46	0.07	5.58	2.6	640	0.95	0.11	1.60	0.10	26.3	61.4	594	1.03	16.7	4.15
YY08590		0.60	0.07	4.97	3.6	570	0.90	0.10	1.40	0.08	23.7	63.5	695	0.99	16.4	4.41
YY08591		0.53	0.06	0.73	8.3	80	0.14	0.03	0.27	0.09	3.76	178.0	1730	0.43	13.0	8.66
YY08592		0.50	0.07	2.33	8.8	280	0.34	0.05	0.60	0.10	13.20	119.5	1300	0.84	12.3	7.45
YY08593		0.52	0.04	1.87	11.0	190	0.33	0.05	0.53	0.17	9.29	153.0	1510	0.87	8.6	8.70
YY08594		0.53	0.03	0.92	12.2	80	0.15	0.03	0.29	0.10	5.67	142.5	1390	0.53	8.3	8.34
YY08595		0.50	0.06	2.62	11.2	340	0.59	0.09	0.72	0.17	29.5	94.4	815	1.14	13.2	6.74
YY08596		0.54	0.03	2.60	8.1	340	0.74	0.10	0.66	0.20	33.6	89.9	1360	1.18	11.1	7.27
YY08597		0.64	0.04	3.15	7.7	420	0.84	0.12	0.78	0.22	39.8	78.2	1350	1.61	13.7	6.56
YY08598		0.49	0.04	2.78	7.0	350	0.81	0.12	0.58	0.24	35.2	101.5	1250	1.47	10.9	7.40
YY08599		0.63	0.04	2.31	8.0	300	0.61	0.09	0.55	0.18	29.2	101.5	1430	1.19	12.3	7.54
YY08600		0.56	0.04	4.18	7.6	540	1.04	0.15	0.83	0.24	38.5	94.7	997	2.10	13.5	6.58
YY08601		0.41	0.05	2.44	9.7	350	0.66	0.12	0.77	0.27	35.2	108.5	1310	1.63	20.4	7.28
YY08602		0.46	0.04	2.39	11.5	340	0.72	0.12	0.70	0.30	38.8	120.0	1430	1.49	21.0	7.72
YY08603		0.45	0.05	2.42	5.2	330	0.67	0.10	0.96	0.27	37.8	111.0	2290	1.09	21.8	8.84
YY08604		0.40	0.05	2.76	6.6	380	0.71	0.13	1.04	0.40	34.6	103.0	1560	1.53	29.3	7.41
YY08605		0.43	0.06	2.72	6.6	370	0.72	0.14	0.97	0.47	34.0	126.0	1980	1.63	20.1	8.30
YY08606		0.47	0.08	3.76	6.5	560	0.92	0.14	1.13	0.24	52.8	62.4	993	2.04	24.3	5.37
YY08607		0.43	0.07	3.31	10.9	500	0.93	0.13	0.92	0.39	47.7	96.3	1450	1.68	20.4	6.95
YY08608		0.44	0.06	4.47	6.9	630	1.23	0.15	1.20	0.26	58.4	44.8	1030	2.29	17.8	6.03
YY08609		0.40	0.05	4.45	6.4	630	1.15	0.15	1.28	0.19	61.4	54.1	1140	2.07	18.0	6.01
YY08610		0.40	0.04	3.49	6.4	500	0.82	0.12	1.04	0.24	46.7	105.5	1520	1.83	17.0	7.29
YY08611		0.42	0.06	3.66	5.6	510	0.85	0.15	1.30	0.31	51.0	64.4	1360	2.10	19.3	7.30
YY08612		0.45	0.07	3.93	6.0	580	0.89	0.16	1.28	0.30	47.6	112.5	1210	2.14	18.2	6.28
YY08613		0.47	0.07	4.26	5.4	560	0.99	0.13	1.21	0.23	36.1	78.7	1070	2.02	21.2	5.83
YY08614		0.45	0.04	1.61	6.6	210	0.61	0.10	0.49	0.20	16.35	147.5	2110	3.10	17.9	7.75
YY08615		0.44	0.05	2.24	3.9	280	0.77	0.13	0.54	0.20	19.90	109.5	2040	4.03	17.9	6.83
YY08616		0.49	0.04	3.88	3.6	3300	5.82	0.15	0.40	0.08	7.24	83.0	1250	7.00	11.5	4.04
YY08617		0.51	0.03	2.71	114.5	410	2.37	0.06	2.76	0.16	4.52	83.6	1480	11.40	3.8	3.81
YY08618		0.51	0.03	7.94	3.4	910	1.70	0.10	2.42	0.15	51.8	34.5	296	8.35	52.6	5.46
YY08619		0.47	0.09	8.79	0.6	880	1.90	0.09	2.63	0.09	46.8	29.4	168	15.50	113.5	6.63
YY08620		0.41	0.06	8.51	0.9	640	1.29	0.06	4.14	0.11	29.3	35.5	198	10.90	74.6	6.44





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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
YY08581		6.41	0.08	1.0	0.027	0.57	15.9	8.2	13.55	770	0.46	0.69	5.6	1620	560	4.8
YY08582		5.84	0.09	0.9	0.022	0.53	14.9	7.7	14.90	1010	0.39	0.61	5.6	1790	400	4.8
YY08583		5.36	0.07	0.7	0.029	0.39	9.7	5.8	14.45	1310	0.42	0.49	4.7	1720	430	4.0
YY08584		5.63	0.07	0.9	0.022	0.56	15.2	7.6	14.90	1080	0.39	0.60	5.2	1810	440	4.7
YY08585		6.66	0.09	1.1	0.023	0.70	18.4	9.0	13.00	1020	0.48	0.68	6.4	1530	510	5.6
YY08586		8.11	0.08	1.1	0.030	0.72	16.4	10.6	12.05	1410	0.52	0.72	7.7	1540	520	6.6
YY08587		5.13	0.09	0.7	0.016	0.48	9.9	6.8	15.15	1060	0.36	0.56	4.0	1990	440	3.7
YY08588		4.03	0.08	0.5	0.020	0.34	8.2	5.9	17.20	2750	0.39	0.26	3.8	2510	640	4.5
YY08589		12.50	0.07	2.4	0.017	1.55	13.2	14.8	6.52	838	1.15	2.01	4.3	824	450	6.4
YY08590		11.25	0.09	2.2	0.015	1.37	12.2	14.2	7.80	826	1.08	1.77	3.7	1010	430	5.7
YY08591		1.72	0.07	0.3	0.008	0.10	1.8	2.7	20.1	1880	0.24	0.11	0.8	2640	410	1.4
YY08592		5.08	0.08	0.9	0.012	0.58	7.1	7.3	16.40	1210	0.58	0.68	2.4	2230	260	3.2
YY08593		4.21	0.07	0.7	0.012	0.38	4.6	5.6	17.15	1530	0.43	0.46	1.7	2400	460	2.8
YY08594		2.05	0.06	0.2	0.010	0.14	2.8	2.9	20.7	1420	0.21	0.13	1.3	2530	280	1.6
YY08595		5.91	0.07	0.9	0.023	0.60	15.0	8.9	15.15	1170	0.37	0.60	6.2	1730	380	5.4
YY08596		6.22	0.08	1.0	0.028	0.60	16.7	9.4	14.25	1000	0.48	0.56	6.9	1680	300	6.3
YY08597		7.19	0.10	1.1	0.026	0.76	20.2	12.0	13.30	905	0.55	0.70	7.7	1560	370	7.1
YY08598		6.70	0.08	1.0	0.021	0.65	17.5	10.4	12.90	1100	0.47	0.57	7.0	1690	500	6.5
YY08599		5.55	0.08	0.9	0.022	0.53	15.0	8.9	17.00	1260	0.44	0.48	5.8	2070	370	5.5
YY08600		9.76	0.09	1.4	0.027	1.00	19.5	14.5	10.20	1310	0.65	0.95	8.3	1270	800	8.2
YY08601		5.75	0.07	1.0	0.025	0.55	17.6	9.4	14.30	1460	0.52	0.50	6.4	1700	620	6.4
YY08602		5.99	0.09	1.0	0.028	0.54	18.8	9.2	15.25	1530	0.73	0.48	6.6	1810	530	6.5
YY08603		5.70	0.10	1.0	0.024	0.57	18.7	7.9	14.30	1320	0.52	0.55	6.4	1710	410	6.0
YY08604		6.60	0.07	1.1	0.024	0.61	17.7	10.2	14.05	1360	0.70	0.53	6.2	1600	900	6.8
YY08605		6.73	0.09	1.0	0.032	0.56	16.5	10.4	13.00	1700	0.64	0.45	6.6	1540	1270	7.3
YY08606		8.69	0.10	1.6	0.032	0.88	26.5	13.6	8.36	1000	0.80	0.81	9.7	992	950	8.7
YY08607		7.71	0.10	1.4	0.025	0.77	23.9	11.4	11.60	1340	0.69	0.74	8.7	1510	920	8.3
YY08608		10.35	0.10	1.9	0.033	1.10	30.6	15.8	7.96	652	0.74	1.08	10.8	995	800	9.7
YY08609		10.25	0.12	1.9	0.037	1.08	31.2	15.4	7.13	810	0.68	1.11	11.2	869	530	9.5
YY08610		7.77	0.08	1.4	0.024	0.81	23.5	11.3	11.00	1310	0.60	0.78	8.4	1450	720	7.7
YY08611		8.35	0.10	1.5	0.036	0.80	26.3	13.0	10.30	898	0.61	0.76	9.0	1260	1010	8.3
YY08612		8.74	0.10	1.4	0.031	0.90	23.5	13.4	9.81	1540	0.73	0.84	9.2	1250	900	9.1
YY08613		9.40	0.09	1.7	0.029	1.03	18.8	13.4	9.59	1120	0.75	1.09	7.3	1180	1000	7.7
YY08614		3.61	0.07	0.6	0.015	0.25	7.8	5.9	15.85	1810	0.27	0.28	2.7	2660	430	4.2
YY08615		4.92	0.06	0.7	0.020	0.38	9.4	7.6	13.80	828	0.37	0.43	3.5	2520	470	5.4
YY08616		14.35	0.05	0.4	0.018	0.71	3.4	13.1	12.40	541	0.17	1.39	6.3	1790	120	20.1
YY08617		11.00	0.05	0.2	0.012	0.22	2.1	16.6	13.65	815	0.13	0.07	2.9	1690	50	5.2
YY08618		17.55	0.10	1.0	0.056	1.09	24.8	24.4	2.51	777	0.52	2.60	15.3	287	680	10.7
YY08619		20.8	0.10	0.6	0.078	1.61	21.7	30.0	2.06	1180	0.93	2.55	13.9	81.4	1290	11.4
YY08620		18.00	0.10	0.5	0.066	0.93	12.8	21.4	2.80	1180	0.70	2.40	10.3	86.4	1060	7.7



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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
YY08581		22.3	<0.002	0.04	0.66	12.1	<1	0.8	101.5	0.40	<0.05	4.33	0.197	0.16	1.2	72
YY08582		21.4	<0.002	0.02	0.61	11.4	<1	0.8	86.2	0.40	<0.05	4.08	0.192	0.13	1.3	71
YY08583		18.1	<0.002	0.02	0.71	12.1	<1	0.6	59.1	0.31	<0.05	3.08	0.177	0.12	0.8	84
YY08584		21.9	<0.002	0.02	0.65	11.1	<1	0.7	82.7	0.36	<0.05	4.16	0.187	0.14	1.1	74
YY08585		29.1	<0.002	0.04	0.60	10.8	<1	0.9	95.6	0.42	<0.05	5.21	0.205	0.18	1.3	68
YY08586		35.8	<0.002	0.02	0.71	13.8	<1	1.0	94.9	0.51	<0.05	4.91	0.251	0.22	1.1	90
YY08587		18.5	<0.002	0.03	0.57	10.1	<1	0.6	89.2	0.27	<0.05	3.06	0.152	0.12	0.8	64
YY08588		21.4	<0.002	0.06	0.70	10.8	<1	0.6	39.0	0.25	<0.05	2.59	0.126	0.12	0.7	57
YY08589		36.4	<0.002	0.03	0.51	6.4	<1	0.5	438	0.31	<0.05	3.63	0.186	0.20	1.5	46
YY08590		33.9	<0.002	0.03	0.58	7.6	<1	0.4	376	0.28	<0.05	3.27	0.148	0.19	1.3	41
YY08591		5.4	<0.002	0.04	0.97	10.8	1	<0.2	20.9	0.05	<0.05	0.55	0.033	0.04	0.2	41
YY08592		18.1	<0.002	0.02	0.95	10.2	<1	0.3	129.0	0.18	<0.05	1.97	0.082	0.10	0.7	48
YY08593		13.6	<0.002	0.04	1.12	11.5	<1	0.3	87.9	0.13	<0.05	1.38	0.063	0.08	0.5	47
YY08594		7.4	<0.002	0.04	1.15	9.7	1	0.2	20.5	0.09	<0.05	0.86	0.042	0.04	0.2	44
YY08595		28.1	<0.002	0.02	0.95	10.6	1	0.8	79.9	0.53	<0.05	4.20	0.165	0.15	1.1	60
YY08596		29.0	<0.002	0.02	0.80	10.8	1	0.9	74.6	0.47	<0.05	4.60	0.175	0.17	1.3	71
YY08597		37.1	<0.002	0.02	0.76	11.0	1	1.0	95.5	0.57	<0.05	6.04	0.213	0.21	1.5	73
YY08598		34.2	<0.002	0.04	1.40	12.1	1	0.9	72.2	0.49	<0.05	5.23	0.178	0.19	1.3	66
YY08599		26.9	<0.002	0.03	0.78	11.8	1	0.7	64.3	0.42	<0.05	4.31	0.154	0.16	1.1	64
YY08600		47.4	<0.002	0.04	0.79	12.4	1	1.1	158.5	0.58	<0.05	5.52	0.228	0.27	1.5	76
YY08601		29.1	<0.002	0.04	1.03	11.7	1	0.8	70.3	0.44	<0.05	4.77	0.178	0.17	1.3	68
YY08602		27.9	<0.002	0.03	0.85	11.7	1	0.8	66.9	0.46	<0.05	5.45	0.179	0.18	1.4	71
YY08603		26.9	<0.002	0.02	0.58	11.0	1	0.9	78.4	0.55	<0.05	5.36	0.195	0.18	1.4	83
YY08604		32.3	<0.002	0.05	0.65	12.8	1	0.9	79.8	0.42	0.05	5.04	0.178	0.20	1.3	73
YY08605		32.1	<0.002	0.06	0.64	13.1	1	0.9	60.5	0.47	<0.05	4.82	0.177	0.19	1.4	77
YY08606		45.7	<0.002	0.07	0.77	11.5	1	1.2	118.5	0.68	<0.05	7.91	0.273	0.28	2.0	77
YY08607		41.3	<0.002	0.06	0.80	12.1	1	1.2	113.0	0.64	<0.05	6.76	0.234	0.25	2.1	79
YY08608		50.2	<0.002	0.04	0.79	12.5	1	1.4	163.5	0.84	<0.05	8.52	0.309	0.31	2.3	87
YY08609		51.2	<0.002	0.03	0.92	12.2	<1	1.4	152.0	0.80	<0.05	9.26	0.330	0.30	2.2	94
YY08610		41.1	<0.002	0.06	0.88	12.8	<1	1.1	107.5	0.58	<0.05	6.63	0.243	0.22	1.7	80
YY08611		41.8	<0.002	0.06	0.87	13.4	1	1.2	111.0	0.63	<0.05	7.26	0.274	0.25	1.7	86
YY08612		47.7	<0.002	0.07	0.84	12.6	1	1.2	122.0	0.67	<0.05	6.61	0.265	0.26	1.6	84
YY08613		44.3	<0.002	0.07	0.76	11.1	1	1.0	208	0.51	<0.05	5.12	0.238	0.25	1.5	73
YY08614		14.2	<0.002	0.03	0.52	11.4	1	0.4	50.8	0.18	<0.05	2.17	0.101	0.14	0.5	61
YY08615		21.4	<0.002	0.03	0.49	12.3	<1	0.5	78.7	0.24	<0.05	2.66	0.121	0.18	0.7	63
YY08616		33.6	<0.002	0.01	0.30	6.4	1	2.7	188.0	0.20	<0.05	1.19	0.106	0.45	0.4	51
YY08617		21.1	<0.002	0.01	0.50	5.1	1	0.5	282	0.11	<0.05	0.88	0.058	0.46	0.2	41
YY08618		55.0	<0.002	0.04	0.29	22.3	1	1.4	278	0.96	<0.05	7.08	0.547	0.32	1.3	179
YY08619		55.3	<0.002	0.05	0.18	26.0	1	1.5	297	0.82	<0.05	5.63	0.633	0.26	1.5	219
YY08620		45.6	<0.002	0.04	0.19	30.0	1	1.0	293	0.63	<0.05	3.08	0.620	0.19	0.9	227



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
		W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.1	0.1	2	0.5	0.001
YY08581		1.1	8.1	70	36.7	<0.001
YY08582		1.1	7.9	72	32.2	0.003
YY08583		1.6	5.4	82	23.3	0.001
YY08584		1.1	7.7	74	30.3	<0.001
YY08585		2.5	8.7	68	38.1	<0.001
YY08586		1.3	8.8	81	36.3	<0.001
YY08587		1.0	5.6	70	25.2	<0.001
YY08588		1.1	6.0	70	17.5	0.007
YY08589		0.6	5.8	55	82.7	<0.001
YY08590		0.8	5.4	55	88.3	<0.001
YY08591		2.3	1.5	54	6.1	<0.001
YY08592		1.5	3.7	53	31.8	<0.001
YY08593		1.5	2.8	62	22.4	<0.001
YY08594		1.8	1.9	56	8.0	0.003
YY08595		2.3	8.0	59	27.0	0.005
YY08596		1.2	7.9	64	33.8	<0.001
YY08597		1.2	9.9	74	40.0	<0.001
YY08598		1.3	8.0	71	33.9	<0.001
YY08599		1.4	7.4	68	28.2	<0.001
YY08600		2.0	8.8	75	51.7	<0.001
YY08601		1.1	8.3	82	32.5	0.003
YY08602		0.9	8.8	85	36.5	0.022
YY08603		0.8	8.7	83	30.1	0.003
YY08604		0.9	8.1	97	37.6	<0.001
YY08605		0.9	7.5	96	34.3	<0.001
YY08606		1.0	13.0	76	50.8	0.012
YY08607		1.0	11.8	82	45.6	0.004
YY08608		1.2	14.2	91	61.1	<0.001
YY08609		1.2	14.6	74	58.6	0.002
YY08610		1.1	10.3	73	47.5	0.005
YY08611		1.3	11.9	104	52.6	0.002
YY08612		1.2	11.6	88	44.8	0.001
YY08613		1.4	9.8	83	58.0	0.002
YY08614		1.2	4.2	78	20.2	<0.001
YY08615		1.1	5.3	75	24.7	<0.001
YY08616		1.3	2.3	70	11.6	<0.001
YY08617		0.2	2.0	97	6.6	0.021
YY08618		0.5	17.2	99	30.0	<0.001
YY08619		0.3	19.6	117	16.7	0.008
YY08620		0.3	21.1	95	12.6	<0.001



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Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
YY08621		0.43	0.07	8.39	1.9	1490	2.55	0.16	1.14	0.11	93.1	22.2	119	9.11	74.6	5.99
YY08622		0.40	0.07	5.73	5.8	1800	2.11	0.10	1.49	0.19	61.9	47.7	650	14.55	16.6	5.25
YY08623		0.42	0.03	4.78	1.2	1710	1.42	0.03	3.55	0.12	9.56	55.6	734	6.40	4.1	3.55
YY08624		0.43	0.04	2.19	6.4	330	0.55	0.09	0.66	0.19	28.6	111.5	1320	1.44	19.2	6.05
YY08625		0.35	0.07	2.17	5.9	300	0.56	0.09	0.67	0.20	25.9	102.0	972	1.63	19.7	5.53
YY08626		0.42	0.07	3.48	5.5	450	0.80	0.12	1.04	0.17	42.7	64.8	1460	1.54	22.5	6.27
YY08627		0.43	0.06	2.89	6.7	390	0.77	0.13	0.99	0.19	37.2	88.0	1720	1.51	16.8	6.83
YY08628		0.42	0.06	3.10	6.3	440	0.85	0.14	0.80	0.22	42.2	88.0	1810	1.52	18.0	7.34
YY08629		0.48	0.04	3.11	6.8	460	0.82	0.15	0.82	0.23	47.4	92.3	1440	1.60	15.6	5.88
YY08630		0.49	0.04	2.66	6.4	390	0.69	0.14	0.99	0.25	38.8	95.2	2020	1.57	16.6	7.84
YY08631		0.58	0.02	3.19	6.3	430	0.99	0.13	0.86	0.20	55.1	75.7	1780	1.30	11.1	7.24
YY08632		0.68	0.03	4.73	6.3	660	1.43	0.17	1.19	0.19	67.8	47.6	786	2.14	13.4	4.96
YY08701		0.52	0.03	6.58	4.2	510	0.82	0.13	3.18	0.11	36.3	32.4	454	2.55	35.1	5.70
YY08702		0.54	0.04	6.11	4.3	690	1.13	0.11	2.81	0.15	40.1	51.9	545	2.96	40.1	5.66
YY08703		0.62	0.09	7.68	9.4	1110	1.68	0.14	2.46	0.11	61.8	31.7	253	5.33	64.2	6.24
YY08704		0.65	0.05	7.32	5.9	900	1.09	0.08	4.28	0.20	35.1	48.8	314	3.27	109.5	7.24
YY08705		0.60	0.06	7.88	9.2	1220	1.58	0.14	2.62	0.09	59.8	31.4	216	4.97	66.6	6.49
YY08706		0.51	0.14	7.40	3.9	870	1.30	0.14	2.49	0.06	38.9	13.5	109	2.40	53.3	2.92
YY09001		0.42	0.18	6.81	0.7	140	0.51	0.09	5.14	0.19	17.25	40.0	174	0.46	391	9.56
YY09002		0.40	0.06	6.80	1.1	540	0.96	0.19	4.30	0.12	37.0	30.8	175	2.63	54.1	6.10
YY09003		0.38	0.09	8.04	1.7	2090	1.51	0.38	1.60	0.10	84.6	14.8	159	5.72	59.9	4.60
YY09004		0.46	0.14	6.94	3.2	1210	2.11	0.39	2.81	0.16	74.1	28.2	191	5.21	176.0	4.87
YY09005		0.39	0.05	7.87	1.5	430	0.91	0.11	5.37	0.09	30.7	42.2	371	2.40	71.7	5.89
YY09006		0.38	0.08	7.44	2.5	800	1.35	0.24	3.86	0.13	48.0	40.4	264	3.19	174.5	6.00
YY09007		0.49	0.07	6.85	2.2	1320	2.21	0.33	2.21	0.14	98.4	18.2	135	4.47	41.2	3.87
YY09008		0.40	0.04	3.54	10.2	310	0.49	0.09	1.85	0.13	21.8	111.0	1940	1.61	32.2	7.71
YY09009		0.49	0.07	7.41	2.1	1160	1.66	0.25	3.12	0.16	59.7	39.1	241	3.97	99.8	5.23
YY09010		0.43	0.06	7.68	2.5	1030	1.75	0.17	2.56	0.09	46.2	21.0	130	3.83	47.6	4.97
YY09011		0.43	0.08	7.55	9.9	520	0.75	0.10	4.86	0.17	30.7	39.5	323	1.95	68.9	6.41
YY09012		0.47	0.05	6.65	3.1	1240	1.72	0.29	3.09	0.16	53.2	25.1	156	3.42	36.2	4.80
YY09013		0.47	0.04	6.04	2.8	950	1.38	0.21	3.12	0.12	58.9	44.7	514	2.62	32.2	5.33
YY09014		0.55	0.07	6.46	5.5	1000	1.54	0.24	3.23	0.15	54.4	28.5	250	3.23	33.7	4.72
YY09015		0.63	0.05	5.78	27.2	850	1.43	0.23	2.64	0.17	52.8	44.2	522	2.76	26.1	5.14
YY09016		0.51	0.10	5.96	16.5	860	1.55	0.28	2.04	0.14	56.8	30.1	407	2.86	23.2	4.16
YY09017		0.31	0.12	5.60	12.3	800	1.41	0.22	2.20	0.20	47.2	40.7	439	2.86	28.3	4.48
YY09018		0.52	0.13	5.42	4.8	820	1.49	0.19	2.06	0.37	62.7	54.9	729	3.21	27.5	4.74
YY09019		0.57	0.25	5.89	5.0	790	1.63	0.27	1.80	0.43	64.5	54.4	721	4.55	38.0	4.86
YY09020		0.49	0.08	6.42	3.6	980	1.81	0.21	2.16	0.29	65.9	32.3	374	3.56	31.7	4.09
YY09021		0.49	0.07	5.87	2.0	930	1.79	0.22	2.05	0.18	67.9	29.4	486	2.64	16.9	3.48
YY09022		0.47	0.12	4.79	13.3	690	1.48	0.24	1.52	0.23	62.3	60.5	860	2.94	19.1	4.37



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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
YY08621		22.1	0.13	1.2	0.071	1.08	26.0	23.8	1.36	944	1.02	4.72	16.8	132.5	1110	19.7
YY08622		16.10	0.12	2.8	0.045	1.10	30.4	17.7	4.09	930	0.60	1.67	15.0	699	850	13.5
YY08623		9.65	0.06	0.6	0.019	0.20	4.5	29.7	12.70	901	0.15	1.09	5.9	1010	150	4.0
YY08624		5.19	0.07	0.8	0.014	0.50	14.0	8.2	15.60	1590	0.42	0.45	5.5	1640	530	5.5
YY08625		4.93	0.06	0.8	0.025	0.51	13.5	8.0	15.45	1320	0.78	0.48	5.0	1520	460	6.6
YY08626		8.01	0.08	1.4	0.032	0.80	22.3	11.9	11.75	956	0.77	0.88	7.0	1250	580	7.9
YY08627		6.52	0.07	1.2	0.033	0.68	19.6	10.7	13.05	999	0.58	0.65	6.7	1510	630	6.7
YY08628		7.05	0.08	1.2	0.027	0.78	23.2	11.9	11.65	1010	0.58	0.72	8.8	1400	420	8.1
YY08629		7.14	0.09	1.3	0.033	0.76	23.9	12.3	10.90	1180	0.65	0.68	7.6	1290	620	8.2
YY08630		6.30	0.08	1.1	0.029	0.63	20.1	10.6	11.90	1150	0.62	0.54	7.1	1570	850	7.1
YY08631		7.39	0.08	1.2	0.031	0.79	27.8	11.5	11.75	851	0.53	0.77	8.5	1430	320	7.5
YY08632		11.15	0.08	1.7	0.039	1.17	34.4	18.2	6.80	707	0.66	1.16	11.8	814	450	10.8
YY08701		16.65	0.09	1.2	0.050	0.70	17.5	17.4	4.23	765	0.66	1.62	11.6	314	330	8.1
YY08702		14.45	0.09	1.3	0.047	0.89	19.6	18.6	6.26	993	0.57	1.75	11.0	650	600	8.2
YY08703		19.15	0.11	0.9	0.062	1.32	29.4	27.2	2.66	1040	0.93	2.66	22.7	233	1260	14.9
YY08704		17.15	0.10	0.6	0.071	0.85	16.9	29.0	3.84	1200	0.61	1.90	15.5	199.5	750	8.0
YY08705		19.40	0.11	0.8	0.069	1.38	27.8	28.5	2.42	1200	0.84	2.70	22.6	172.0	1340	14.2
YY08706		17.90	0.11	2.8	0.029	1.84	21.6	22.9	1.27	537	1.45	2.53	8.0	69.5	630	9.0
YY09001		18.35	0.09	0.4	0.099	0.17	7.4	13.3	4.94	1660	0.63	1.91	11.4	63.6	430	2.4
YY09002		18.45	0.10	1.4	0.071	1.05	18.4	16.8	3.50	1080	0.54	1.82	14.7	69.5	330	7.3
YY09003		27.2	0.15	2.1	0.078	2.76	42.1	18.9	1.72	559	1.94	0.94	23.0	51.8	430	22.3
YY09004		18.95	0.13	2.7	0.069	2.20	34.8	33.4	2.38	889	1.57	1.10	19.5	94.3	690	13.4
YY09005		16.35	0.11	1.0	0.056	0.95	14.5	21.2	2.96	910	0.50	2.25	16.6	119.0	530	5.1
YY09006		18.20	0.11	2.3	0.068	1.97	23.6	37.5	3.35	873	0.87	1.25	13.3	172.5	460	10.1
YY09007		18.45	0.18	4.4	0.068	3.63	47.8	25.6	1.84	830	1.21	1.02	22.3	67.9	540	18.6
YY09008		7.55	0.06	0.7	0.021	0.50	10.6	9.4	12.70	1330	0.57	0.88	5.1	1380	630	6.8
YY09009		17.35	0.12	2.0	0.062	2.12	28.3	26.1	2.76	1410	1.10	1.49	17.4	148.0	770	13.8
YY09010		18.35	0.11	1.1	0.053	1.44	22.1	20.3	2.13	891	1.28	2.62	14.4	77.0	1130	14.8
YY09011		17.50	0.10	0.9	0.058	0.78	14.8	28.0	4.19	1060	0.64	1.80	10.9	124.5	410	5.5
YY09012		16.60	0.11	1.3	0.058	2.03	26.4	27.3	2.50	1040	0.96	1.36	16.9	81.2	600	14.4
YY09013		14.50	0.11	1.3	0.051	1.58	29.3	18.0	4.62	1000	0.53	1.39	13.5	484	650	11.2
YY09014		16.15	0.10	2.1	0.055	1.80	26.3	23.4	3.09	842	0.74	1.36	14.6	185.5	710	12.9
YY09015		14.55	0.12	1.7	0.053	1.61	26.2	19.0	3.92	805	0.41	1.24	13.8	410	650	11.7
YY09016		15.20	0.11	1.9	0.051	1.78	29.7	19.1	3.60	650	0.67	1.35	13.0	349	590	12.9
YY09017		13.95	0.11	1.8	0.044	1.51	24.6	17.7	4.58	929	0.56	1.25	11.5	493	650	11.4
YY09018		13.05	0.12	1.3	0.042	1.67	32.1	17.6	5.96	680	0.45	1.30	12.4	661	680	12.6
YY09019		14.65	0.12	1.7	0.049	1.61	38.9	25.1	5.40	801	0.86	1.15	12.7	705	680	13.5
YY09020		15.50	0.13	1.8	0.049	1.93	34.1	25.4	3.45	756	1.13	1.36	15.1	341	660	13.4
YY09021		14.10	0.13	1.7	0.036	1.80	34.2	22.3	3.11	587	0.74	1.39	14.0	376	570	13.9
YY09022		12.30	0.11	1.5	0.035	1.50	31.8	18.5	6.44	540	1.23	1.03	12.4	843	630	11.9



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
YY08621		86.3	<0.002	0.02	0.18	21.0	<1	2.0	472	0.99	0.07	13.85	0.549	0.51	1.7	165
YY08622		83.2	<0.002	0.02	0.40	14.5	1	1.6	417	0.88	<0.05	8.25	0.507	0.55	1.6	110
YY08623		13.0	<0.002	0.02	0.24	6.8	<1	0.8	356	0.23	<0.05	1.63	0.084	0.87	0.5	39
YY08624		26.7	<0.002	0.04	0.77	10.6	1	0.6	84.2	0.44	<0.05	4.07	0.143	0.15	1.0	58
YY08625		26.2	<0.002	0.04	0.94	9.8	1	0.7	70.6	0.35	<0.05	3.68	0.130	0.17	1.0	51
YY08626		34.4	<0.002	0.04	0.80	9.7	1	0.9	173.0	0.49	0.06	5.85	0.222	0.21	1.5	75
YY08627		33.3	<0.002	0.05	0.88	10.1	1	0.8	99.4	0.49	<0.05	6.31	0.192	0.19	1.5	71
YY08628		36.6	<0.002	0.04	0.83	9.8	1	1.1	95.4	0.69	0.05	6.53	0.210	0.26	1.8	77
YY08629		38.5	<0.002	0.05	0.86	9.8	1	1.0	102.0	0.57	<0.05	6.56	0.220	0.26	1.7	71
YY08630		34.1	<0.002	0.06	0.73	10.6	1	0.9	79.4	0.51	<0.05	6.16	0.185	0.23	1.5	77
YY08631		36.1	<0.002	0.02	0.84	11.1	<1	1.1	105.0	0.64	<0.05	8.20	0.233	0.23	1.9	83
YY08632		54.8	<0.002	0.02	0.77	12.1	<1	1.6	156.0	0.94	<0.05	10.10	0.324	0.33	2.3	89
YY08701		31.3	<0.002	0.02	0.65	23.1	1	1.4	156.0	0.77	<0.05	4.47	0.583	0.18	1.2	183
YY08702		43.0	<0.002	0.03	0.62	20.2	<1	1.2	210	0.72	<0.05	4.82	0.482	0.23	1.3	138
YY08703		62.1	<0.002	0.04	0.54	22.6	1	1.5	374	1.35	0.06	7.95	0.616	0.47	1.8	181
YY08704		24.8	<0.002	0.03	0.40	31.0	1	1.2	217	0.93	<0.05	3.77	0.749	0.32	1.0	222
YY08705		62.9	<0.002	0.04	0.41	23.4	1	1.4	403	1.35	<0.05	7.09	0.635	0.50	1.7	188
YY08706		45.3	<0.002	0.03	0.47	11.5	1	0.9	457	0.55	<0.05	5.39	0.326	0.31	2.0	81
YY09001		3.0	<0.002	0.03	0.17	35.5	1	1.0	108.5	0.69	0.08	1.01	1.015	0.04	0.3	333
YY09002		45.3	<0.002	0.01	0.24	30.7	1	2.0	150.0	0.97	<0.05	4.37	0.799	0.21	1.1	235
YY09003		130.5	<0.002	0.02	0.46	20.7	<1	3.8	118.5	1.53	0.12	13.10	0.650	0.56	2.6	225
YY09004		97.9	<0.002	0.02	0.41	21.9	1	3.4	122.5	1.24	<0.05	11.10	0.561	0.50	2.7	149
YY09005		22.1	<0.002	0.01	0.32	32.3	<1	1.3	274	0.99	<0.05	3.27	0.657	0.18	0.9	196
YY09006		71.4	<0.002	0.02	0.34	26.0	1	2.5	132.5	0.85	<0.05	6.49	0.587	0.37	1.9	161
YY09007		113.5	<0.002	0.01	0.35	16.5	1	4.4	110.0	1.43	<0.05	14.20	0.474	0.72	3.3	107
YY09008		24.9	<0.002	0.04	0.97	16.7	<1	0.7	92.6	0.34	<0.05	2.96	0.237	0.14	0.8	111
YY09009		79.7	<0.002	0.01	0.89	21.7	1	2.6	208	1.14	<0.05	8.18	0.560	0.46	2.1	160
YY09010		57.4	<0.002	0.01	0.99	17.4	1	2.0	343	0.89	<0.05	6.51	0.534	0.36	1.8	144
YY09011		38.9	<0.002	0.01	0.26	36.1	1	1.3	169.5	0.68	<0.05	3.30	0.711	0.19	1.2	241
YY09012		74.1	<0.002	0.01	0.27	21.2	1	2.7	139.5	1.38	<0.05	7.95	0.525	0.40	1.7	155
YY09013		60.0	<0.002	0.01	0.45	20.8	<1	2.1	153.0	1.02	<0.05	9.28	0.474	0.33	2.3	141
YY09014		71.1	0.002	0.03	0.30	21.8	1	2.5	150.0	0.98	<0.05	8.22	0.513	0.42	2.7	141
YY09015		63.6	<0.002	0.02	0.50	18.6	1	2.3	147.0	0.91	0.05	8.24	0.436	0.37	2.3	120
YY09016		71.9	<0.002	0.03	0.50	15.2	<1	2.2	193.5	0.88	<0.05	9.61	0.359	0.39	2.2	98
YY09017		62.0	<0.002	0.04	0.59	16.2	1	1.9	166.0	0.77	<0.05	7.81	0.353	0.37	1.9	102
YY09018		69.4	<0.002	0.02	0.55	15.4	<1	2.1	159.5	0.86	<0.05	9.81	0.350	0.49	2.9	99
YY09019		84.6	0.004	0.03	0.55	15.7	1	2.2	170.0	0.88	0.05	12.00	0.342	0.48	5.2	100
YY09020		91.4	<0.002	0.01	0.34	15.8	1	2.6	171.5	1.05	<0.05	9.80	0.415	0.52	2.7	113
YY09021		72.6	0.002	0.02	0.37	13.7	1	2.3	185.5	1.00	<0.05	9.74	0.363	0.44	3.1	88
YY09022		66.2	0.004	0.09	0.53	13.4	2	2.2	147.5	0.89	<0.05	10.50	0.294	0.41	3.2	84



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To: STRATEGIC METALS LTD.  
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 LIMITED  
 1016- 510 W HASTINGS ST  
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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
		W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.1	0.1	2	0.5	0.001
YY08621		0.3	20.6	126	37.2	<0.001
YY08622		0.7	21.2	109	104.5	<0.001
YY08623		0.2	5.1	137	16.1	<0.001
YY08624		1.7	7.0	72	26.9	<0.001
YY08625		1.6	6.9	68	29.1	<0.001
YY08626		1.0	9.9	83	51.4	<0.001
YY08627		1.1	9.2	77	39.5	0.008
YY08628		1.0	12.0	72	43.1	0.012
YY08629		1.1	10.5	74	43.3	<0.001
YY08630		1.0	9.1	83	39.9	<0.001
YY08631		1.7	10.3	72	43.7	<0.001
YY08632		1.5	13.5	69	56.8	<0.001
YY08701		1.2	15.8	85	44.3	<0.001
YY08702		1.1	14.9	91	50.0	<0.001
YY08703		0.7	22.1	122	30.3	<0.001
YY08704		0.9	22.0	119	20.4	<0.001
YY08705		0.7	22.0	121	26.3	<0.001
YY08706		0.7	13.5	63	109.5	0.009
YY09001		0.2	30.7	174	8.4	0.044
YY09002		0.9	25.1	68	45.6	<0.001
YY09003		2.0	15.2	90	75.7	<0.001
YY09004		1.7	28.1	105	107.5	<0.001
YY09005		0.5	19.7	114	34.5	<0.001
YY09006		1.3	23.3	103	95.6	<0.001
YY09007		2.2	30.4	76	155.0	<0.001
YY09008		1.3	9.0	89	25.3	<0.001
YY09009		1.5	23.9	94	74.5	<0.001
YY09010		0.9	20.2	94	41.2	<0.001
YY09011		0.6	24.0	98	24.5	<0.001
YY09012		1.3	24.4	93	45.4	<0.001
YY09013		1.2	22.8	75	62.7	<0.001
YY09014		1.3	23.8	89	61.1	0.077
YY09015		1.6	21.3	86	55.9	<0.001
YY09016		2.0	19.5	83	72.9	<0.001
YY09017		1.8	18.0	86	55.9	<0.001
YY09018		1.6	20.9	80	57.8	<0.001
YY09019		1.4	25.9	96	56.4	<0.001
YY09020		2.1	20.8	85	54.7	<0.001
YY09021		1.2	19.5	71	54.1	<0.001
YY09022		2.4	17.4	79	47.1	0.001





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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Units		kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
LOD		0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
YY09023		0.39	0.11	6.18	3.4	890	1.75	0.32	1.49	0.14	60.0	10.0	195	3.91	8.5	3.58
YY09024		0.33	0.03	5.83	2.6	890	1.76	0.22	1.62	0.14	61.2	13.4	226	2.71	8.6	3.34
YY09025		0.45	0.05	5.85	3.9	950	1.71	0.31	1.74	0.18	67.5	16.0	263	3.03	10.3	3.60
YY09026		0.45	0.03	5.98	3.1	910	1.58	0.23	1.58	0.12	69.1	14.7	254	3.13	7.4	3.05
YY09027		0.52	0.09	4.67	8.5	700	1.26	0.23	1.50	0.22	53.1	43.5	633	2.56	15.8	4.25
YY09028		0.45	0.03	5.91	2.2	840	1.38	0.16	2.09	0.11	53.8	29.1	482	2.09	12.5	3.73
YY09029		0.43	0.02	5.72	2.0	840	1.41	0.17	1.98	0.13	50.9	19.7	435	2.37	9.3	3.54
YY09030		0.38	0.03	6.05	4.1	780	1.65	0.23	1.89	0.13	53.1	25.0	433	2.37	12.7	3.88
YY09031		0.39	0.02	5.74	4.0	690	1.49	0.18	1.82	0.15	55.0	18.3	319	1.85	9.9	3.42
YY09032		0.40	0.04	5.88	5.8	820	1.49	0.32	1.77	0.17	60.2	17.2	427	2.86	10.7	4.16
YY09033		0.45	0.06	5.61	7.3	710	1.39	0.44	1.71	0.12	51.0	21.1	660	3.30	11.2	4.96
YY09034		0.47	0.06	6.17	4.7	860	1.70	0.40	1.67	0.15	66.7	13.1	239	3.31	8.7	3.88
YY09035		0.53	0.03	5.78	2.9	770	1.57	0.17	2.12	0.15	65.0	28.0	585	2.22	10.8	3.85
YY09036		0.41	0.10	6.15	5.3	690	1.38	0.25	1.74	0.11	54.1	14.2	315	2.47	11.0	4.12
YY09037		0.50	0.09	6.51	4.7	800	1.49	0.34	1.58	0.15	61.8	11.3	211	3.14	11.1	3.67
YY09038		0.43	0.14	6.32	5.0	870	1.79	0.46	1.43	0.16	76.2	12.7	227	4.16	11.9	3.63
YY09039		0.37	0.06	5.89	4.6	830	1.63	0.29	1.69	0.11	59.1	12.1	200	2.81	10.2	3.78
YY09040		0.37	0.02	6.18	6.2	900	1.38	0.22	1.94	0.12	64.8	15.7	221	2.09	14.3	3.26
YY09041		0.53	0.03	5.40	5.3	810	1.50	0.26	1.93	0.17	59.1	14.5	327	2.27	7.8	3.49
YY09042		0.55	0.03	5.68	5.0	820	1.31	0.32	1.72	0.10	50.7	15.5	278	2.27	7.6	3.47
YY09043		0.57	0.03	5.48	2.8	720	1.24	0.19	2.28	0.13	52.5	29.2	564	1.70	14.0	3.96
YY09044		0.47	0.03	5.77	3.8	840	1.42	0.22	1.93	0.18	56.8	23.3	430	2.39	11.9	3.98
YY09045		0.43	0.02	5.92	4.6	930	1.45	0.29	1.69	0.12	58.3	12.5	282	3.09	7.9	3.89
YY09046		0.62	0.07	5.54	3.3	1010	1.85	0.26	1.74	0.16	81.4	18.2	344	2.84	11.1	3.19
YY09047		0.47	0.08	5.68	4.6	930	1.51	0.18	1.94	0.24	62.6	22.1	305	2.68	12.1	3.37
YY09048		0.49	0.04	5.57	4.4	940	1.51	0.18	1.87	0.11	65.4	21.8	267	2.45	13.2	3.31
YY09049		0.51	0.09	5.35	3.9	840	1.41	0.25	1.89	0.16	64.0	15.8	270	1.88	15.5	2.97
YY09050		0.44	0.03	5.80	3.4	890	1.64	0.19	1.80	0.18	63.5	22.8	377	2.47	14.5	3.66
YY09051		0.53	0.11	6.68	0.8	260	0.58	0.10	5.13	0.18	26.0	28.9	133	1.70	152.0	8.04
YY09052		0.48	0.09	6.63	0.4	340	0.71	0.17	4.42	0.17	33.2	30.4	136	1.80	91.5	6.75
YY09053		0.50	0.05	7.45	1.5	780	0.95	0.12	3.33	0.16	40.5	35.0	194	3.32	136.5	6.36
YY09054		0.50	0.26	6.33	1.4	1110	2.11	0.42	3.02	0.19	77.0	22.9	159	4.94	235	3.98
YY09055		0.45	0.09	7.33	1.4	860	1.27	0.22	2.85	0.07	37.9	14.2	109	2.76	48.8	3.21
YY09056		0.49	0.13	6.91	1.3	920	1.38	0.30	3.16	0.13	51.9	25.6	184	4.75	54.8	4.18
YY09057		0.47	0.04	4.32	4.8	420	0.75	0.09	2.06	0.15	27.0	74.2	1220	1.51	24.2	5.64
YY09058		0.42	0.04	5.19	4.6	610	0.80	0.16	2.18	0.09	35.4	51.9	1160	1.44	19.5	6.09
YY09059		0.48	0.03	6.28	3.0	830	1.32	0.32	2.55	0.14	50.5	22.3	238	3.35	34.5	5.44
YY09060		0.62	0.06	6.93	1.1	830	1.21	0.20	3.08	0.11	49.5	23.9	219	2.36	58.9	4.69
YY09061		0.63	0.02	6.45	2.3	1030	1.56	0.37	2.66	0.13	64.4	22.2	275	3.10	34.3	4.29





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**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
YY09023		17.30	0.14	2.2	0.064	2.15	31.0	26.3	1.40	502	1.12	1.26	18.9	69.3	330	15.5
YY09024		13.50	0.13	1.7	0.057	1.83	31.4	22.9	1.57	544	0.78	1.34	14.3	109.0	390	14.4
YY09025		14.55	0.13	1.7	0.056	1.93	33.6	25.1	1.79	644	0.82	1.36	15.6	129.5	450	14.6
YY09026		15.95	0.12	1.9	0.051	1.78	35.1	22.5	1.98	533	0.65	1.41	17.1	137.5	260	14.9
YY09027		11.50	0.12	1.4	0.047	1.41	27.4	16.7	5.75	737	1.31	1.09	12.0	652	650	11.7
YY09028		13.85	0.11	1.5	0.051	1.64	26.3	18.0	3.55	648	0.36	1.50	13.3	332	330	11.6
YY09029		13.65	0.10	1.4	0.049	1.66	25.7	18.0	2.63	561	0.46	1.45	13.0	239	300	12.2
YY09030		13.60	0.13	1.6	0.055	1.66	26.9	20.9	2.66	619	0.74	1.38	13.7	243	320	13.4
YY09031		12.80	0.11	1.4	0.053	1.39	28.1	20.0	2.04	514	0.58	1.47	11.5	167.5	390	12.4
YY09032		15.80	0.12	1.8	0.055	1.77	29.9	24.9	1.97	603	1.05	1.28	15.7	160.0	390	14.2
YY09033		17.35	0.10	1.7	0.052	1.68	25.7	17.7	2.53	718	2.08	1.23	15.3	220	980	14.3
YY09034		17.10	0.12	1.8	0.056	1.99	33.2	23.1	1.51	542	1.11	1.32	17.2	104.5	310	15.8
YY09035		13.70	0.12	1.3	0.052	1.68	32.5	21.0	3.69	650	0.50	1.40	13.1	398	460	14.6
YY09036		15.90	0.11	1.8	0.062	1.59	27.0	19.3	1.64	553	0.97	1.30	15.6	101.0	600	13.7
YY09037		17.10	0.11	1.8	0.059	1.92	31.4	23.8	1.29	551	1.03	1.36	19.3	75.9	460	15.9
YY09038		18.90	0.14	2.2	0.059	2.14	38.3	24.1	1.19	660	1.61	1.25	19.3	76.3	740	17.0
YY09039		14.95	0.12	1.6	0.057	1.85	28.8	24.6	1.45	639	0.85	1.34	14.8	81.3	810	14.8
YY09040		13.70	0.12	1.5	0.056	1.82	32.1	18.2	1.95	615	0.64	1.49	14.3	136.0	450	14.1
YY09041		13.65	0.13	1.6	0.056	1.79	29.7	18.1	1.72	598	1.09	1.35	14.3	122.5	440	14.7
YY09042		13.85	0.11	1.7	0.050	1.83	26.0	19.4	1.75	555	0.92	1.37	14.3	139.5	290	15.3
YY09043		12.50	0.10	1.2	0.043	1.48	25.7	13.2	3.87	696	0.63	1.43	11.3	371	380	10.6
YY09044		13.30	0.11	1.4	0.051	1.63	28.1	18.9	2.68	644	0.66	1.39	13.5	281	290	12.7
YY09045		16.20	0.12	1.7	0.069	2.06	29.5	21.2	1.57	556	1.56	1.29	18.8	98.4	200	13.9
YY09046		13.90	0.13	1.6	0.050	2.03	38.4	21.9	2.78	649	0.91	1.29	14.8	249	480	15.2
YY09047		13.50	0.13	1.5	0.047	1.77	32.0	20.0	2.68	652	2.00	1.40	13.9	231	640	12.9
YY09048		13.25	0.13	1.5	0.046	1.79	31.8	18.2	2.48	593	0.50	1.38	13.8	196.0	630	12.4
YY09049		12.05	0.12	1.4	0.058	1.67	32.9	15.6	2.06	627	0.52	1.41	12.3	177.0	650	15.2
YY09050		13.40	0.12	1.4	0.048	1.67	31.2	18.5	2.54	658	0.61	1.37	13.7	225	440	13.8
YY09051		20.5	0.10	0.9	0.083	0.48	12.3	10.6	4.28	1620	0.78	1.87	14.2	46.9	200	4.2
YY09052		18.40	0.11	1.2	0.081	0.69	16.6	12.8	3.61	1380	0.63	1.83	16.8	47.2	230	4.6
YY09053		18.50	0.11	1.0	0.067	0.87	17.7	23.3	3.40	1020	0.77	1.65	12.4	96.5	520	9.2
YY09054		16.50	0.17	3.1	0.074	2.13	36.2	35.5	2.05	842	0.73	0.99	17.9	84.5	860	14.2
YY09055		18.35	0.13	2.7	0.044	1.93	19.6	23.3	1.44	522	1.35	2.22	10.8	37.8	540	8.8
YY09056		18.95	0.13	2.5	0.060	1.78	26.4	23.8	2.28	776	0.90	1.50	14.9	94.1	550	11.2
YY09057		10.30	0.08	1.2	0.028	0.86	13.2	11.7	9.31	955	0.70	1.21	6.1	955	410	5.3
YY09058		13.80	0.07	1.7	0.036	1.29	18.1	12.9	6.61	809	0.82	1.38	10.5	645	350	8.0
YY09059		17.30	0.11	2.4	0.074	1.89	24.2	21.9	2.81	774	1.51	1.16	15.6	125.0	380	14.6
YY09060		15.60	0.09	2.2	0.055	1.76	24.2	22.8	3.20	783	0.83	1.77	12.5	121.5	460	10.6
YY09061		15.30	0.14	3.2	0.062	2.40	31.3	23.7	2.96	758	0.85	1.24	15.7	158.5	500	14.0



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
YY09023		78.8	<0.002	0.01	0.38	12.1	<1	3.4	160.5	1.32	0.05	8.98	0.401	0.47	2.3	92
YY09024		66.9	<0.002	0.01	0.33	11.7	<1	2.4	166.0	1.02	<0.05	9.81	0.344	0.41	2.1	78
YY09025		71.9	<0.002	0.01	0.39	12.5	1	2.7	172.5	1.24	<0.05	10.35	0.360	0.42	2.3	85
YY09026		84.9	<0.002	0.01	0.39	12.5	1	2.6	178.5	1.19	<0.05	9.31	0.405	0.48	2.2	93
YY09027		64.0	<0.002	0.02	0.48	13.1	1	1.9	144.0	0.81	0.06	8.75	0.295	0.36	2.3	82
YY09028		66.8	<0.002	0.01	0.27	14.8	1	2.1	184.0	0.93	<0.05	7.04	0.364	0.40	1.9	95
YY09029		63.9	<0.002	0.01	0.28	13.6	1	2.3	178.5	0.98	<0.05	6.97	0.361	0.34	1.8	91
YY09030		65.6	<0.002	0.01	0.42	13.6	<1	2.3	173.5	1.01	<0.05	8.50	0.356	0.38	2.0	89
YY09031		56.7	<0.002	0.01	0.34	12.8	1	1.8	186.5	0.85	<0.05	9.63	0.321	0.32	1.9	81
YY09032		71.4	<0.002	0.01	0.40	13.2	1	2.5	178.5	1.10	0.06	9.68	0.381	0.42	2.3	93
YY09033		82.4	<0.002	0.01	0.46	13.1	1	2.5	172.0	1.03	0.07	8.21	0.391	0.41	2.3	107
YY09034		83.6	<0.002	0.01	0.41	12.0	1	3.1	185.5	1.14	0.07	10.85	0.380	0.46	2.5	90
YY09035		67.8	<0.002	0.01	0.32	14.4	<1	2.2	187.5	0.91	<0.05	10.20	0.365	0.35	2.3	90
YY09036		66.6	<0.002	0.02	0.57	13.0	<1	2.4	178.0	1.07	<0.05	10.40	0.398	0.37	2.0	95
YY09037		82.1	<0.002	0.01	0.48	11.6	1	2.9	189.5	1.33	<0.05	12.65	0.370	0.43	2.8	88
YY09038		93.1	<0.002	0.02	0.48	11.0	1	3.4	180.5	1.33	<0.05	13.85	0.388	0.51	2.8	89
YY09039		68.5	<0.002	0.01	0.42	12.0	1	2.5	173.0	1.08	<0.05	9.98	0.343	0.40	2.2	83
YY09040		65.4	<0.002	0.01	0.42	14.3	1	2.5	190.5	1.03	<0.05	10.45	0.359	0.42	2.2	86
YY09041		66.5	<0.002	0.01	0.39	12.5	1	2.4	217	1.00	<0.05	8.67	0.351	0.37	2.3	85
YY09042		75.7	<0.002	0.01	0.43	10.9	<1	2.3	185.5	1.01	0.09	7.81	0.351	0.40	1.9	83
YY09043		51.3	<0.002	0.01	0.31	14.7	1	1.8	171.0	0.77	<0.05	6.70	0.363	0.27	1.6	98
YY09044		62.5	<0.002	0.01	0.36	13.3	1	2.1	175.5	0.96	<0.05	8.35	0.373	0.34	1.9	94
YY09045		80.1	<0.002	0.01	0.39	12.8	1	3.0	169.5	1.25	<0.05	8.62	0.403	0.45	2.1	96
YY09046		71.5	<0.002	0.01	0.32	11.9	1	2.7	162.0	1.02	<0.05	12.90	0.323	0.43	3.2	73
YY09047		79.8	<0.002	0.01	0.37	13.4	<1	2.3	178.5	0.97	<0.05	9.32	0.364	0.45	2.5	91
YY09048		67.5	<0.002	0.01	0.32	13.1	1	2.4	171.0	0.98	<0.05	9.49	0.345	0.39	2.3	84
YY09049		64.0	<0.002	0.01	0.39	12.0	1	2.0	195.5	0.89	0.06	9.20	0.330	0.37	2.5	74
YY09050		66.9	<0.002	0.01	0.31	13.5	1	2.1	173.0	1.08	<0.05	9.64	0.357	0.41	2.2	91
YY09051		17.8	<0.002	0.01	0.18	39.0	1	1.5	102.0	0.81	<0.05	2.29	0.938	0.10	0.6	322
YY09052		24.7	<0.002	0.01	0.13	33.9	1	1.9	135.0	1.00	<0.05	3.09	0.960	0.15	1.0	263
YY09053		49.3	<0.002	0.02	0.14	29.6	1	1.3	130.0	0.80	<0.05	5.26	0.685	0.24	1.2	227
YY09054		102.5	<0.002	0.05	0.23	18.5	1	3.3	124.0	1.12	<0.05	10.70	0.425	0.48	3.1	110
YY09055		56.4	<0.002	0.03	0.32	13.5	1	1.6	408	0.74	<0.05	5.47	0.356	0.30	1.9	92
YY09056		80.4	<0.002	0.03	0.26	20.5	1	2.5	197.5	0.97	<0.05	6.78	0.490	0.40	2.0	137
YY09057		32.5	<0.002	0.02	0.52	14.4	<1	0.9	180.0	0.41	<0.05	3.49	0.274	0.16	1.1	92
YY09058		39.8	<0.002	0.01	0.49	16.3	1	1.6	178.5	0.72	<0.05	5.15	0.373	0.21	1.4	125
YY09059		60.4	<0.002	0.02	0.60	19.0	1	2.9	113.5	1.09	<0.05	7.29	0.514	0.35	2.0	153
YY09060		55.3	<0.002	0.01	0.33	20.4	1	2.1	180.0	0.89	<0.05	6.51	0.516	0.32	1.8	151
YY09061		74.7	<0.002	0.01	0.27	17.3	<1	3.1	126.0	1.10	<0.05	8.84	0.467	0.43	2.4	124



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 2103 Dollarton Hwy  
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 www.alsglobal.com/geochemistry

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

Page: 6 - D  
 Total # Pages: 6 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 14- SEP- 2018  
 Account: MTT

Project: 4C

**CERTIFICATE OF ANALYSIS WH18206268**

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
		W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Au ppm 0.001
YY09023		1.7	18.8	61	66.7	<0.001
YY09024		1.6	19.0	58	50.2	<0.001
YY09025		1.4	20.3	70	60.3	<0.001
YY09026		1.6	16.7	53	64.2	<0.001
YY09027		1.6	16.8	78	47.3	<0.001
YY09028		1.1	18.5	59	43.9	<0.001
YY09029		1.2	17.5	53	51.8	<0.001
YY09030		1.3	18.1	59	50.8	<0.001
YY09031		1.0	16.9	52	42.9	<0.001
YY09032		1.6	19.9	55	65.1	<0.001
YY09033		1.4	16.5	61	59.4	<0.001
YY09034		1.5	18.7	51	64.1	<0.001
YY09035		1.2	20.6	60	44.3	<0.001
YY09036		1.6	16.8	51	53.9	0.010
YY09037		1.6	18.5	56	62.4	<0.001
YY09038		1.8	19.5	69	79.3	0.015
YY09039		1.3	18.6	64	53.0	<0.001
YY09040		1.4	20.3	57	53.5	<0.001
YY09041		1.3	18.9	69	58.0	<0.001
YY09042		1.4	16.2	63	51.3	0.003
YY09043		0.9	17.3	55	41.5	<0.001
YY09044		1.3	18.2	56	47.3	<0.001
YY09045		1.6	21.0	53	56.0	0.031
YY09046		1.4	21.0	60	61.7	<0.001
YY09047		1.3	20.0	67	53.1	<0.001
YY09048		1.6	19.8	63	50.8	<0.001
YY09049		1.1	19.0	55	48.6	<0.001
YY09050		1.4	18.5	62	47.3	<0.001
YY09051		0.5	31.1	163	27.1	<0.001
YY09052		0.9	31.6	89	41.4	<0.001
YY09053		0.5	19.3	124	30.3	<0.001
YY09054		1.6	31.7	76	101.0	<0.001
YY09055		0.9	12.6	69	98.0	<0.001
YY09056		1.4	20.5	73	88.1	<0.001
YY09057		1.0	9.6	70	46.2	<0.001
YY09058		1.3	12.7	72	64.6	<0.001
YY09059		1.6	20.4	75	87.2	<0.001
YY09060		3.0	21.2	80	85.7	<0.001
YY09061		1.7	23.4	73	122.5	<0.001



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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 14- SEP- 2018  
Account: MTT

Project: 4C

**CERTIFICATE OF ANALYSIS WH18206268**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: REE's may not be totally soluble in this method.  
ME- MS61

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- ICP21 ME- MS61

**STRATEGIC METALS LTD.**

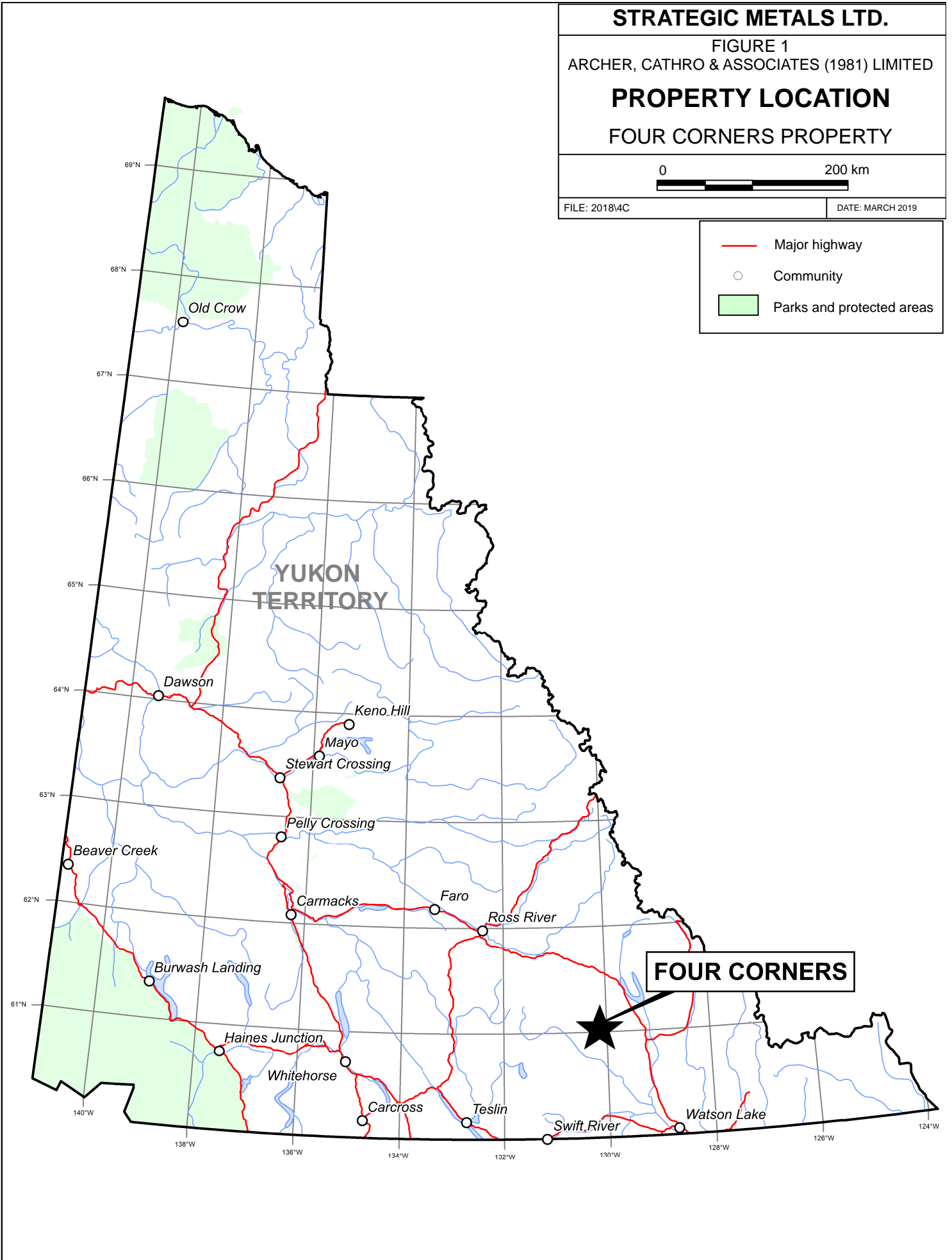
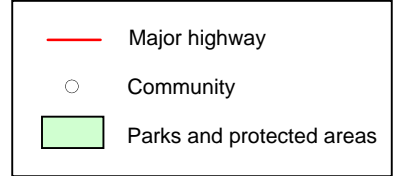
FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY LOCATION**  
**FOUR CORNERS PROPERTY**

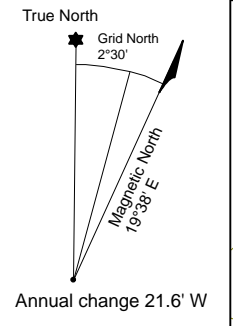
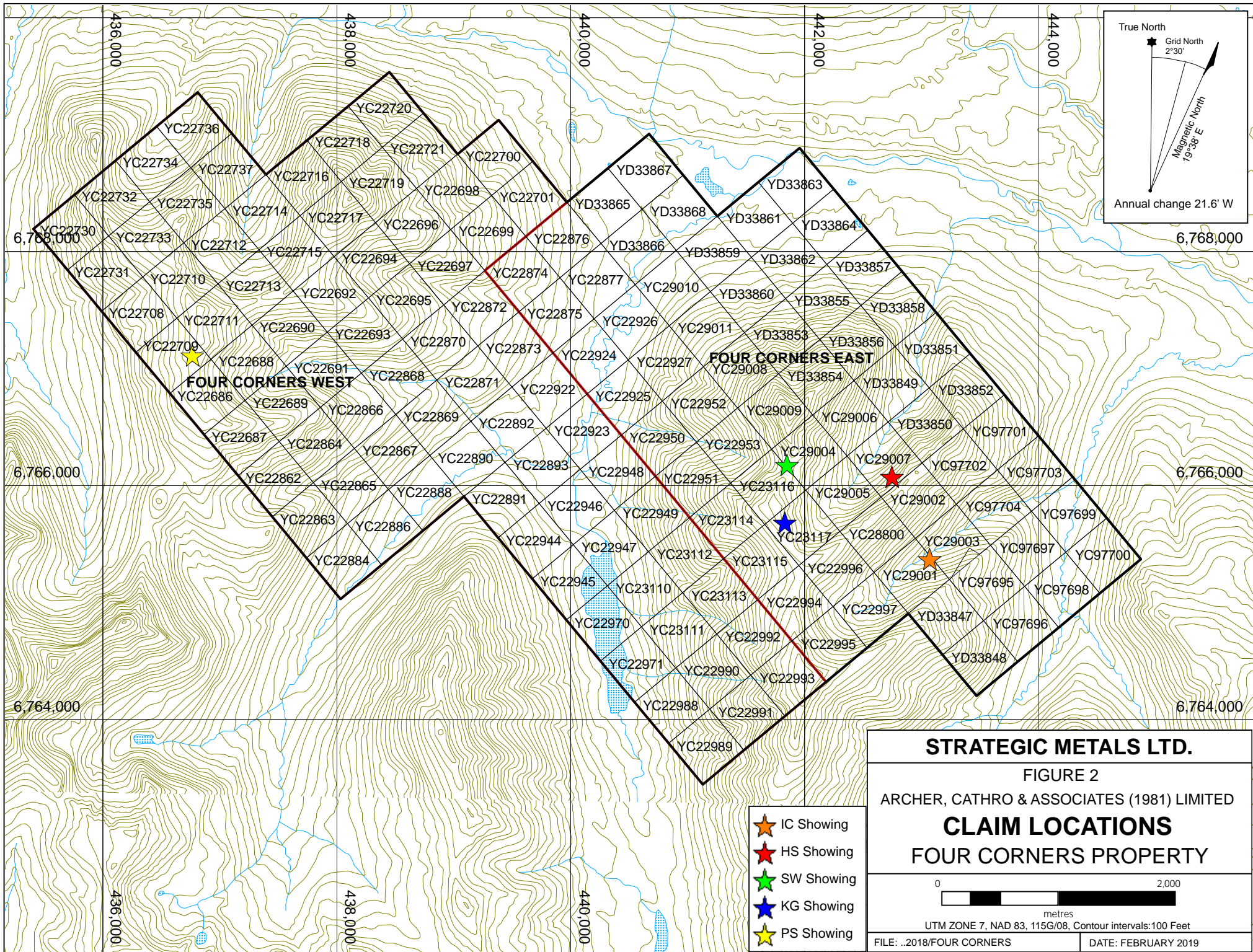


FILE: 2018V4C

DATE: MARCH 2019







**FOUR CORNERS WEST**

**FOUR CORNERS EAST**

- ★ IC Showing
- ★ HS Showing
- ★ SW Showing
- ★ KG Showing
- ★ PS Showing

**STRATEGIC METALS LTD.**

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATIONS**

**FOUR CORNERS PROPERTY**

0 2,000 metres

UTM ZONE 7, NAD 83, 115G/08, Contour intervals: 100 Feet

FILE: ..2018/FOUR CORNERS DATE: FEBRUARY 2019



# STRATEGIC METALS LTD.

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

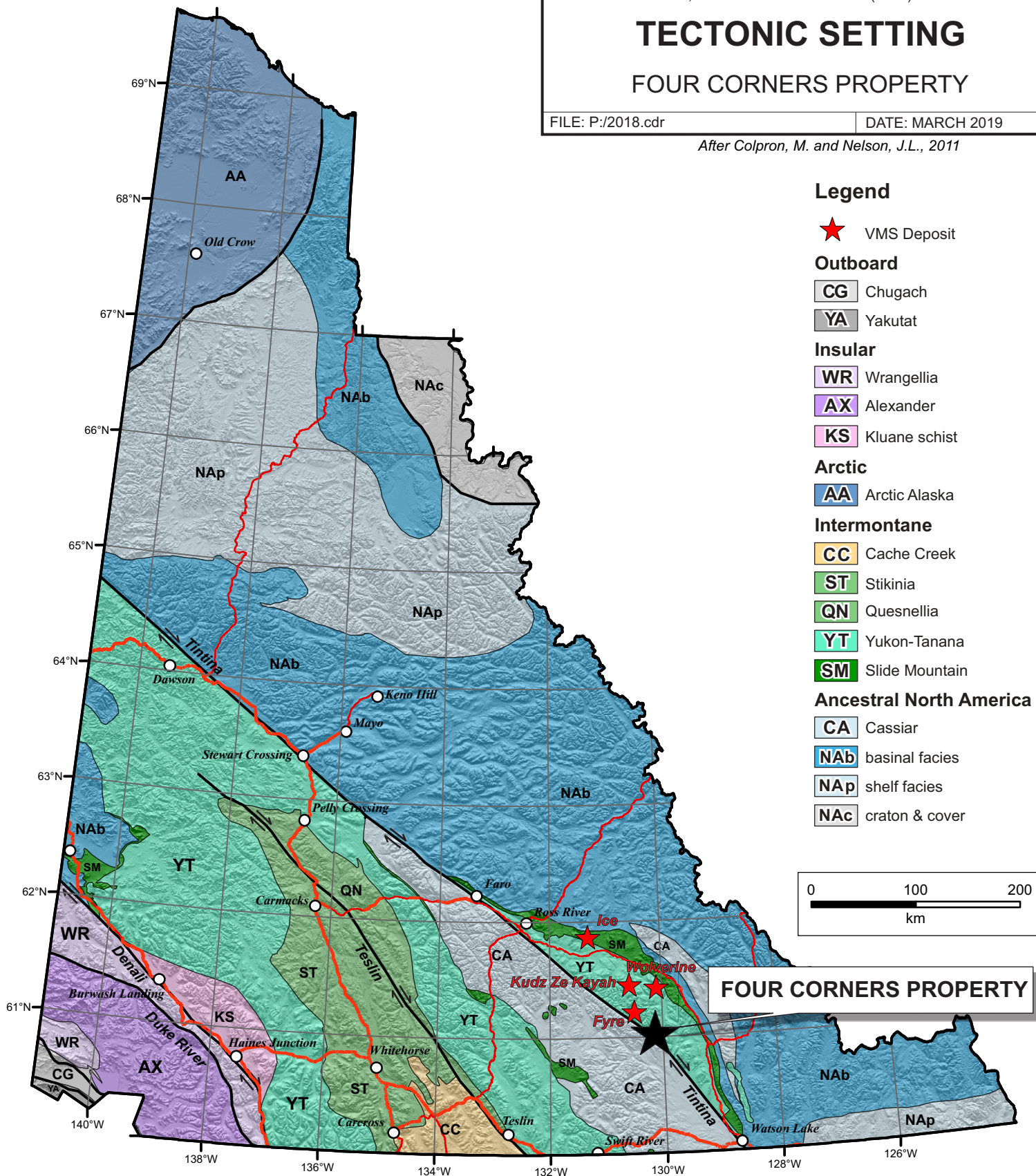
## TECTONIC SETTING

### FOUR CORNERS PROPERTY

FILE: P:/2018.cdr

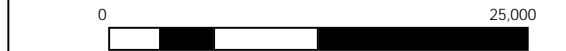
DATE: MARCH 2019

After Colpron, M. and Nelson, J.L., 2011





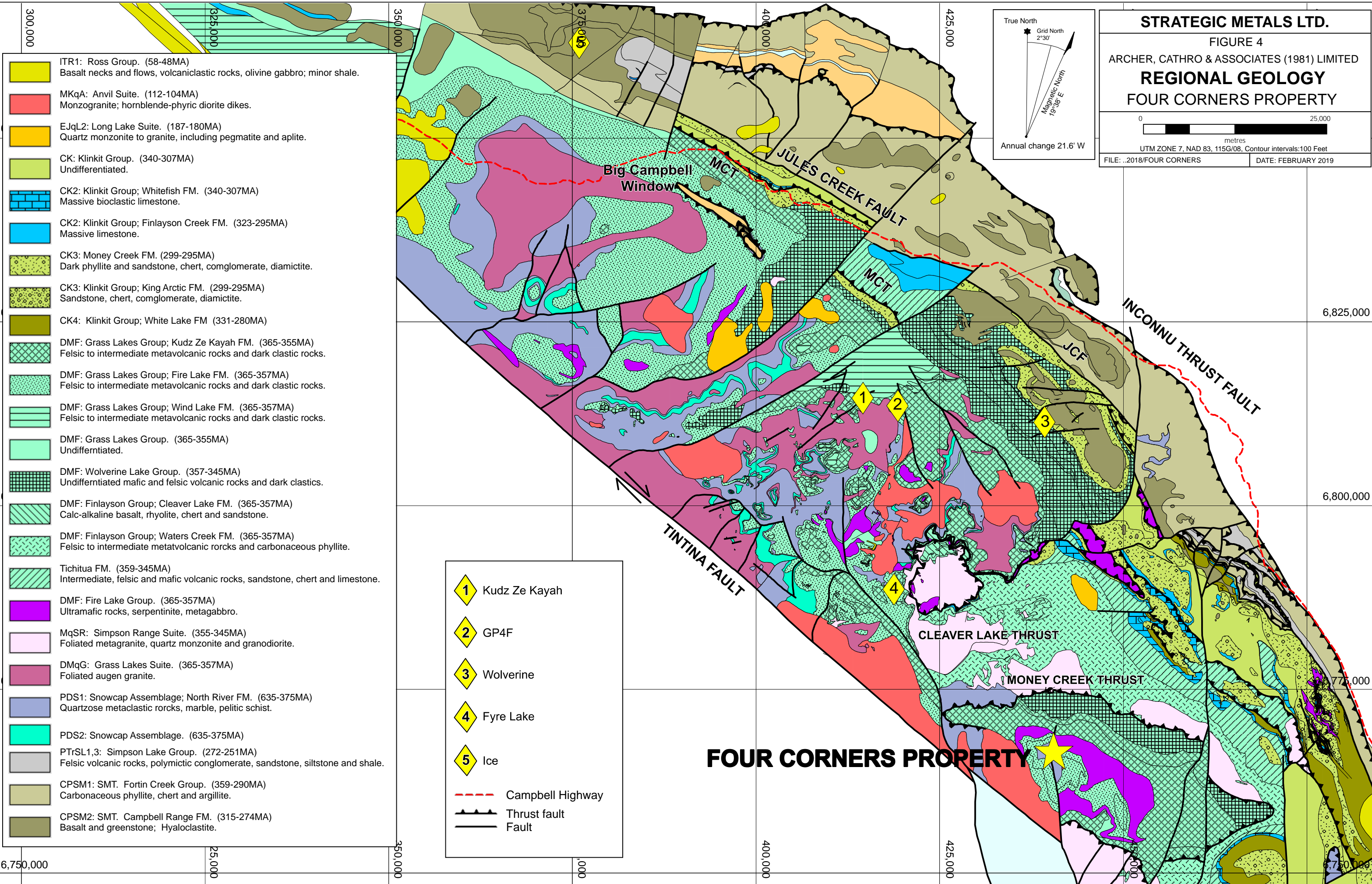
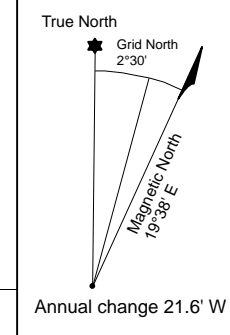
**REGIONAL GEOLOGY**  
FOUR CORNERS PROPERTY



UTM ZONE 7, NAD 83, 115G/08, Contour intervals: 100 Feet

FILE: ...2018/FOUR CORNERS

DATE: FEBRUARY 2019

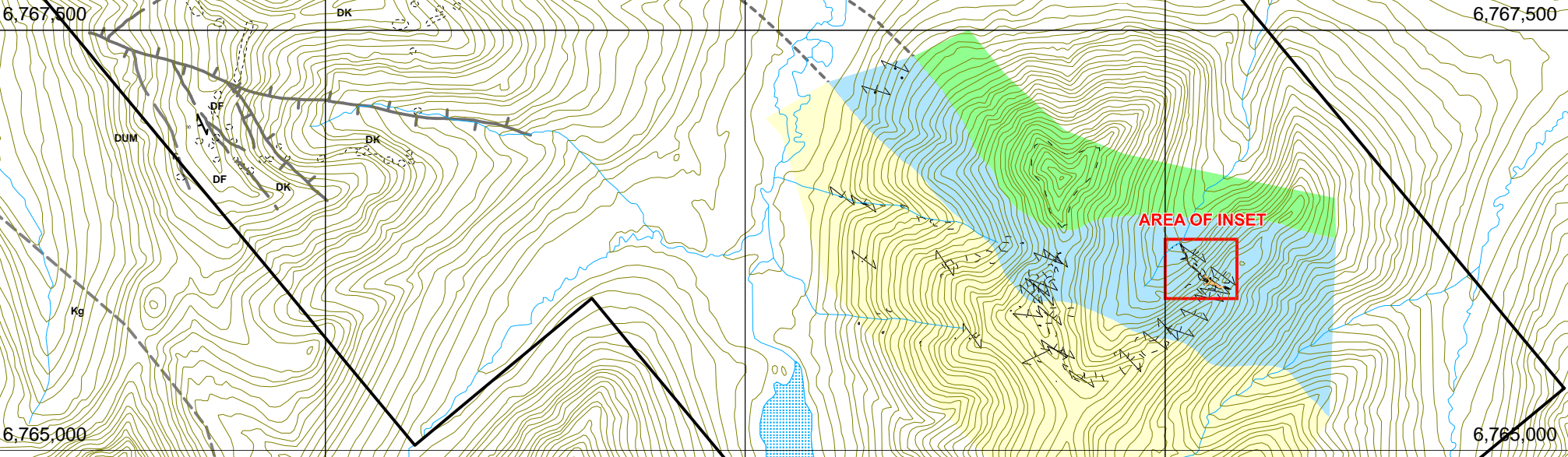
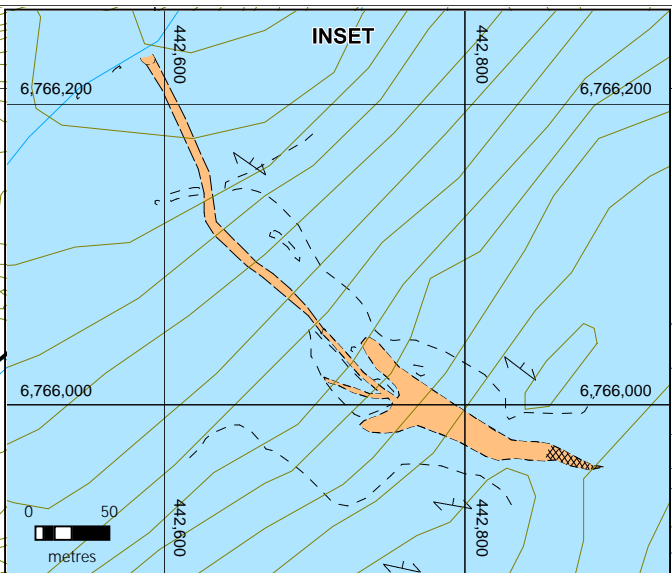
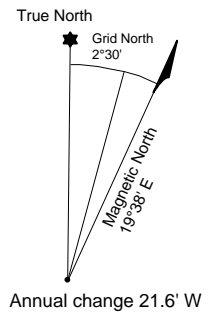
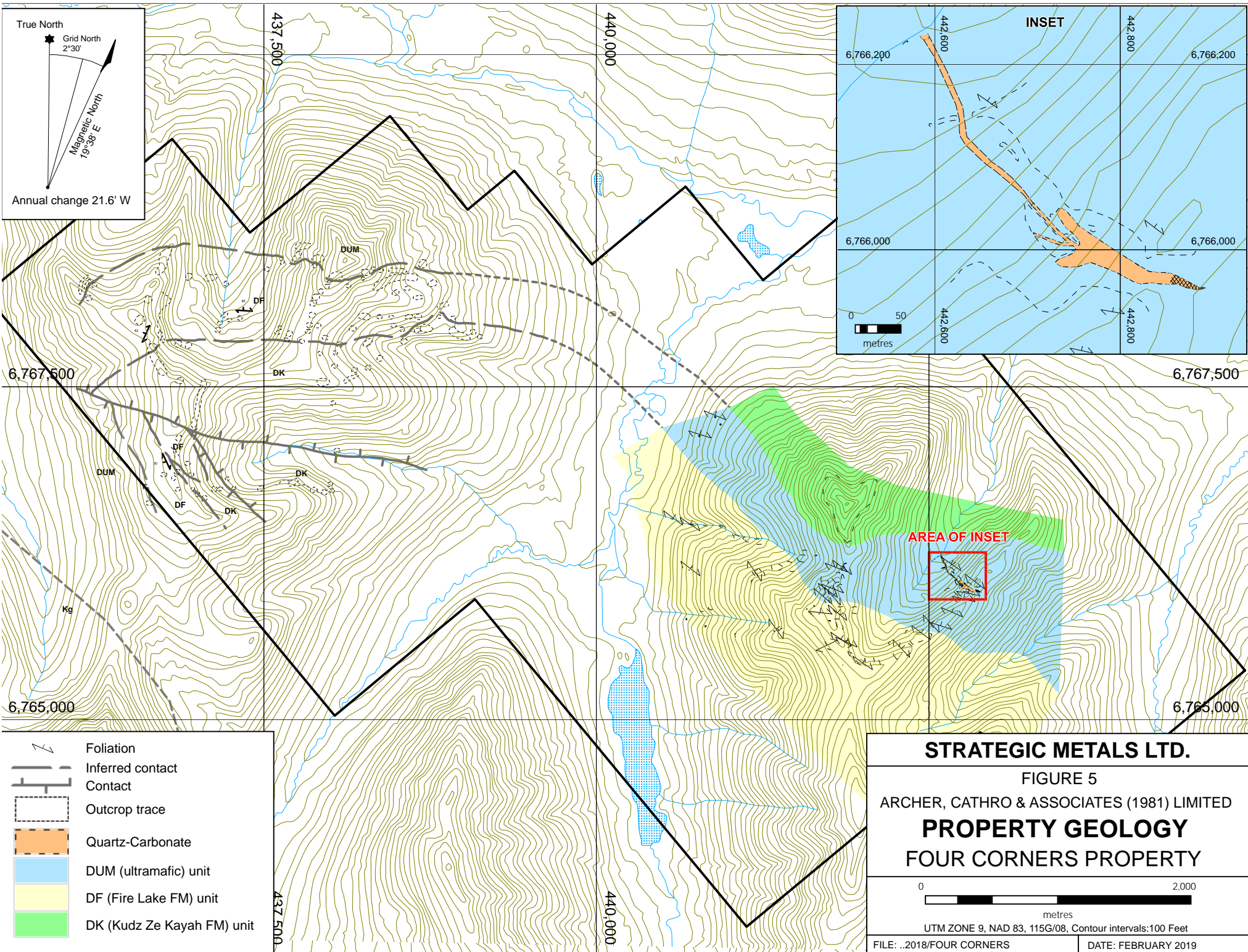


- ITR1: Ross Group. (58-48MA)  
Basalt necks and flows, volcanoclastic rocks, olivine gabbro; minor shale.
- MKqA: Anvil Suite. (112-104MA)  
Monzogranite; hornblende-phyric diorite dikes.
- EjqL2: Long Lake Suite. (187-180MA)  
Quartz monzonite to granite, including pegmatite and aplite.
- CK: Klinkit Group. (340-307MA)  
Undifferentiated.
- CK2: Klinkit Group; Whitefish FM. (340-307MA)  
Massive bioclastic limestone.
- CK2: Klinkit Group; Finlayson Creek FM. (323-295MA)  
Massive limestone.
- CK3: Money Creek FM. (299-295MA)  
Dark phyllite and sandstone, chert, conglomerate, diamictite.
- CK3: Klinkit Group; King Arctic FM. (299-295MA)  
Sandstone, chert, conglomerate, diamictite.
- CK4: Klinkit Group; White Lake FM (331-280MA)
- DMF: Grass Lakes Group; Kudz Ze Kayah FM. (365-355MA)  
Felsic to intermediate metavolcanic rocks and dark clastic rocks.
- DMF: Grass Lakes Group; Fire Lake FM. (365-357MA)  
Felsic to intermediate metavolcanic rocks and dark clastic rocks.
- DMF: Grass Lakes Group; Wind Lake FM. (365-357MA)  
Felsic to intermediate metavolcanic rocks and dark clastic rocks.
- DMF: Grass Lakes Group. (365-355MA)  
Undifferentiated.
- DMF: Wolverine Lake Group. (357-345MA)  
Undifferentiated mafic and felsic volcanic rocks and dark clastics.
- DMF: Finlayson Group; Cleaver Lake FM. (365-357MA)  
Calc-alkaline basalt, rhyolite, chert and sandstone.
- DMF: Finlayson Group; Waters Creek FM. (365-357MA)  
Felsic to intermediate metatvolcanic rocks and carbonaceous phyllite.
- Tichitua FM. (359-345MA)  
Intermediate, felsic and mafic volcanic rocks, sandstone, chert and limestone.
- DMF: Fire Lake Group. (365-357MA)  
Ultramafic rocks, serpentinite, metagabbro.
- MqSR: Simpson Range Suite. (355-345MA)  
Foliated metagranite, quartz monzonite and granodiorite.
- DMqG: Grass Lakes Suite. (365-357MA)  
Foliated augen granite.
- PDS1: Snowcap Assemblage; North River FM. (635-375MA)  
Quartzose metaclastic rocks, marble, pelitic schist.
- PDS2: Snowcap Assemblage. (635-375MA)
- PTrSL1,3: Simpson Lake Group. (272-251MA)  
Felsic volcanic rocks, polymictic conglomerate, sandstone, siltstone and shale.
- CPSM1: SMT. Fortin Creek Group. (359-290MA)  
Carbonaceous phyllite, chert and argillite.
- CPSM2: SMT. Campbell Range FM. (315-274MA)  
Basalt and greenstone; Hyaloclastite.

- 1 Kudz Ze Kayah
- 2 GP4F
- 3 Wolverine
- 4 Fyre Lake
- 5 Ice
- Campbell Highway
- Thrust fault
- Fault

**FOUR CORNERS PROPERTY**





- Foliation
- Inferred contact
- Contact
- Outcrop trace
- Quartz-Carbonate
- DUM (ultramafic) unit
- DF (Fire Lake FM) unit
- DK (Kudz Ze Kayah FM) unit

**STRATEGIC METALS LTD.**

**FIGURE 5**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

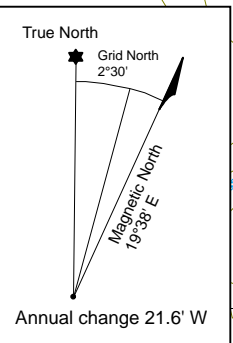
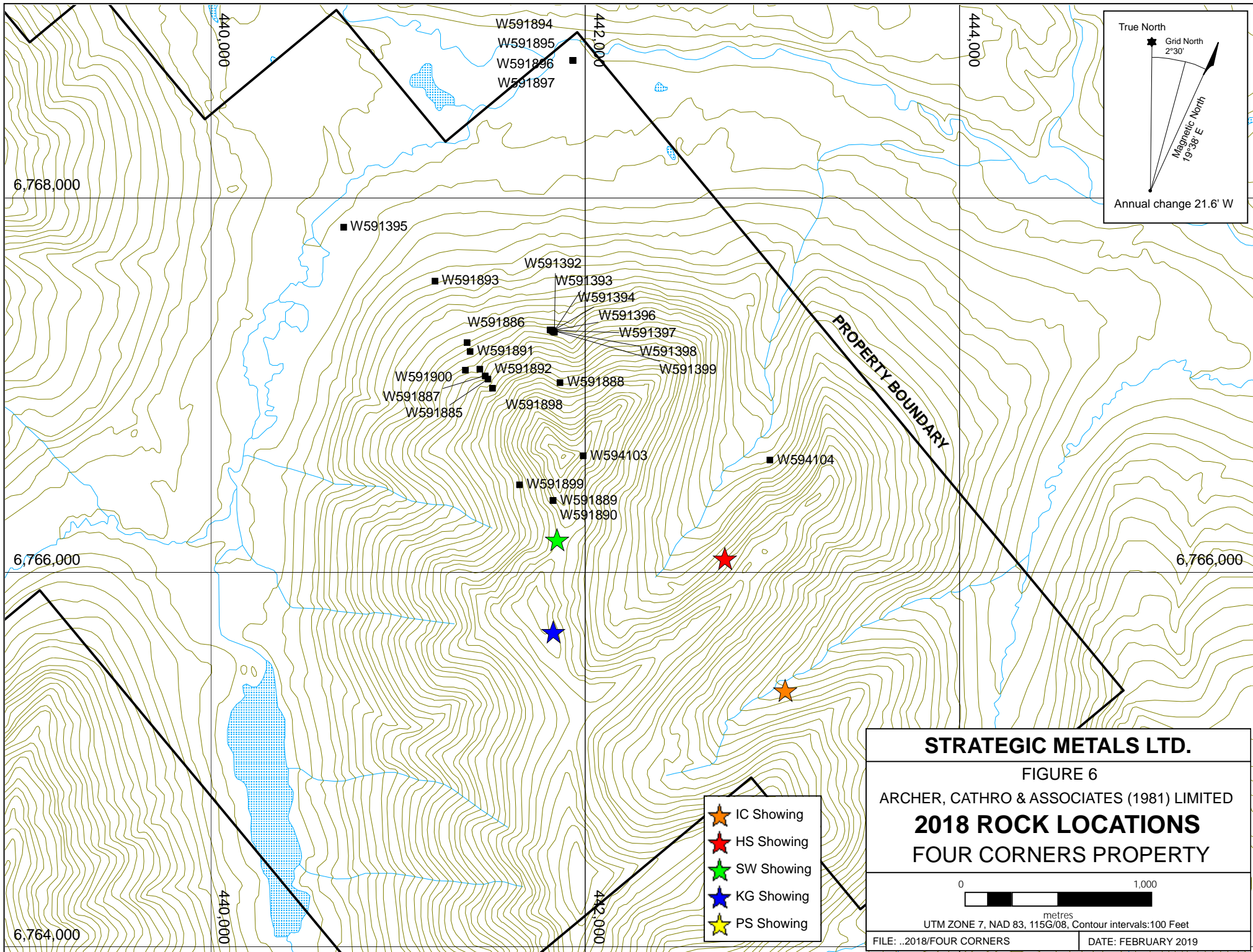
**PROPERTY GEOLOGY**

**FOUR CORNERS PROPERTY**

0 2,000 metres

UTM ZONE 9, NAD 83, 115G/08, Contour intervals: 100 Feet

FILE: ...2018/FOUR CORNERS DATE: FEBRUARY 2019



- ★ IC Showing
- ★ HS Showing
- ★ SW Showing
- ★ KG Showing
- ★ PS Showing

**STRATEGIC METALS LTD.**

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**2018 ROCK LOCATIONS**

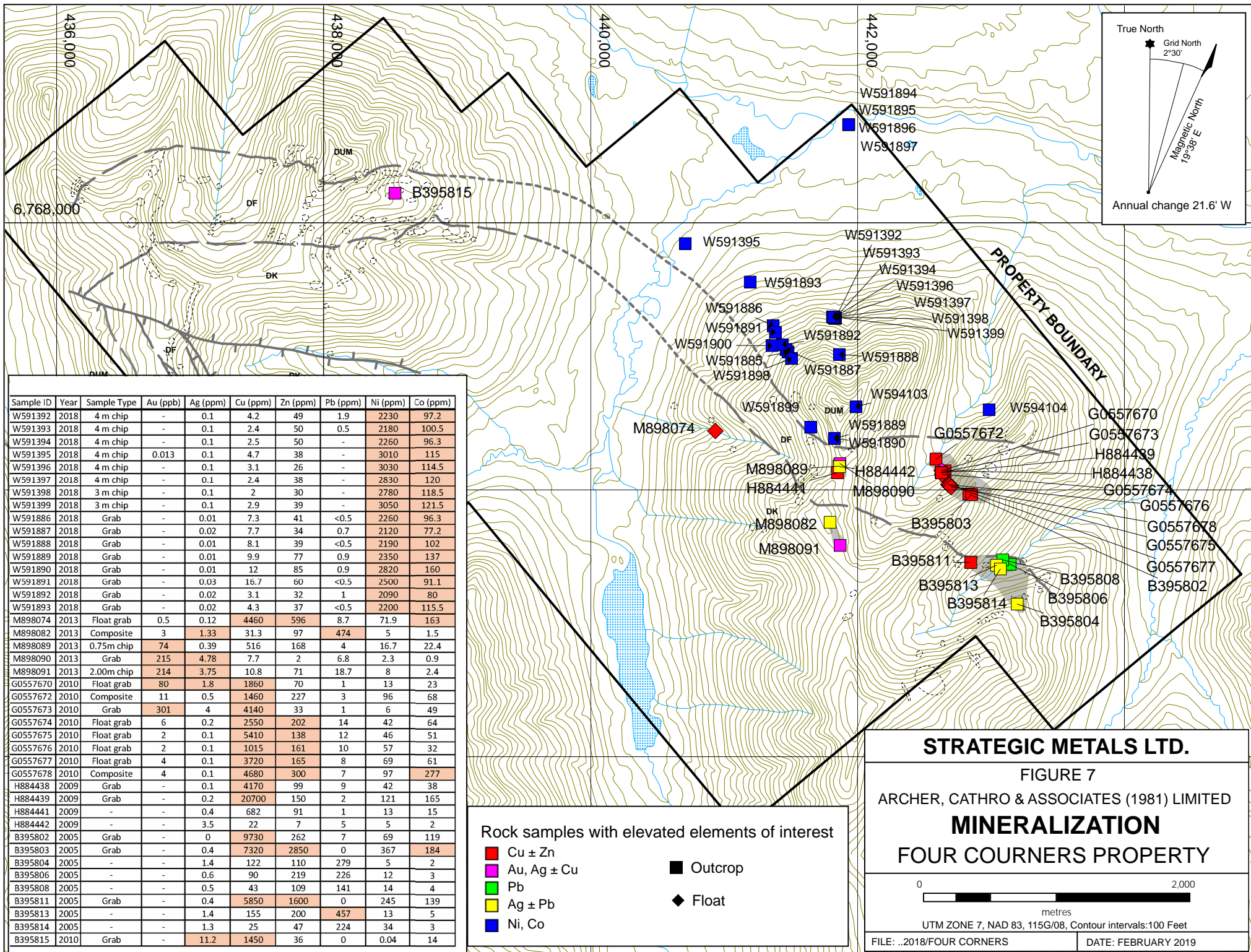
**FOUR CORNERS PROPERTY**

0 1,000 metres

UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2018/FOUR CORNERS DATE: FEBRUARY 2019





Sample ID	Year	Sample Type	Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)
W591392	2018	4 m chip	-	0.1	4.2	49	1.9	2230	97.2
W591393	2018	4 m chip	-	0.1	2.4	50	0.5	2180	100.5
W591394	2018	4 m chip	-	0.1	2.5	50	-	2260	96.3
W591395	2018	4 m chip	0.013	0.1	4.7	38	-	3010	115
W591396	2018	4 m chip	-	0.1	3.1	26	-	3030	114.5
W591397	2018	4 m chip	-	0.1	2.4	38	-	2830	120
W591398	2018	3 m chip	-	0.1	2	30	-	2780	118.5
W591399	2018	3 m chip	-	0.1	2.9	39	-	3050	121.5
W591886	2018	Grab	-	0.01	7.3	41	<0.5	2260	96.3
W591887	2018	Grab	-	0.02	7.7	34	0.7	2120	77.2
W591888	2018	Grab	-	0.01	8.1	39	<0.5	2190	102
W591889	2018	Grab	-	0.01	9.9	77	0.9	2350	137
W591890	2018	Grab	-	0.01	12	85	0.9	2820	160
W591891	2018	Grab	-	0.03	16.7	60	<0.5	2500	91.1
W591892	2018	Grab	-	0.02	3.1	32	1	2090	80
W591893	2018	Grab	-	0.02	4.3	37	<0.5	2200	115.5
M898074	2013	Float grab	0.5	0.12	4460	596	8.7	71.9	163
M898082	2013	Composite	3	1.33	31.3	97	474	5	1.5
M898089	2013	0.75m chip	74	0.39	516	168	4	16.7	22.4
M898090	2013	Grab	215	4.78	7.7	2	6.8	2.3	0.9
M898091	2013	2.00m chip	214	3.75	10.8	71	18.7	8	2.4
G0557670	2010	Float grab	80	1.8	1860	70	1	13	23
G0557672	2010	Composite	11	0.5	1460	227	3	96	68
G0557673	2010	Grab	301	4	4140	33	1	6	49
G0557674	2010	Float grab	6	0.2	2550	202	14	42	64
G0557675	2010	Float grab	2	0.1	5410	138	12	46	51
G0557676	2010	Float grab	2	0.1	1015	161	10	57	32
G0557677	2010	Float grab	4	0.1	3720	165	8	69	61
G0557678	2010	Composite	4	0.1	4680	300	7	97	277
H884438	2009	Grab	-	0.1	4170	99	9	42	38
H884439	2009	Grab	-	0.2	20700	150	2	121	165
H884441	2009	-	-	0.4	682	91	1	13	15
H884442	2009	-	-	3.5	22	7	5	5	2
B395802	2005	Grab	-	0	9730	262	7	69	119
B395803	2005	Grab	-	0.4	7320	2850	0	367	184
B395804	2005	-	-	1.4	122	110	279	5	2
B395806	2005	-	-	0.6	90	219	226	12	3
B395808	2005	-	-	0.5	43	109	141	14	4
B395811	2005	Grab	-	0.4	5850	1600	0	245	139
B395813	2005	-	-	1.4	155	200	457	13	5
B395814	2005	-	-	1.3	25	47	224	34	3
B395815	2010	Grab	-	11.2	1450	36	0	0.04	14

Rock samples with elevated elements of interest

- Cu ± Zn
- Au, Ag ± Cu
- Pb
- Ag ± Pb
- Ni, Co
- Outcrop
- ◆ Float

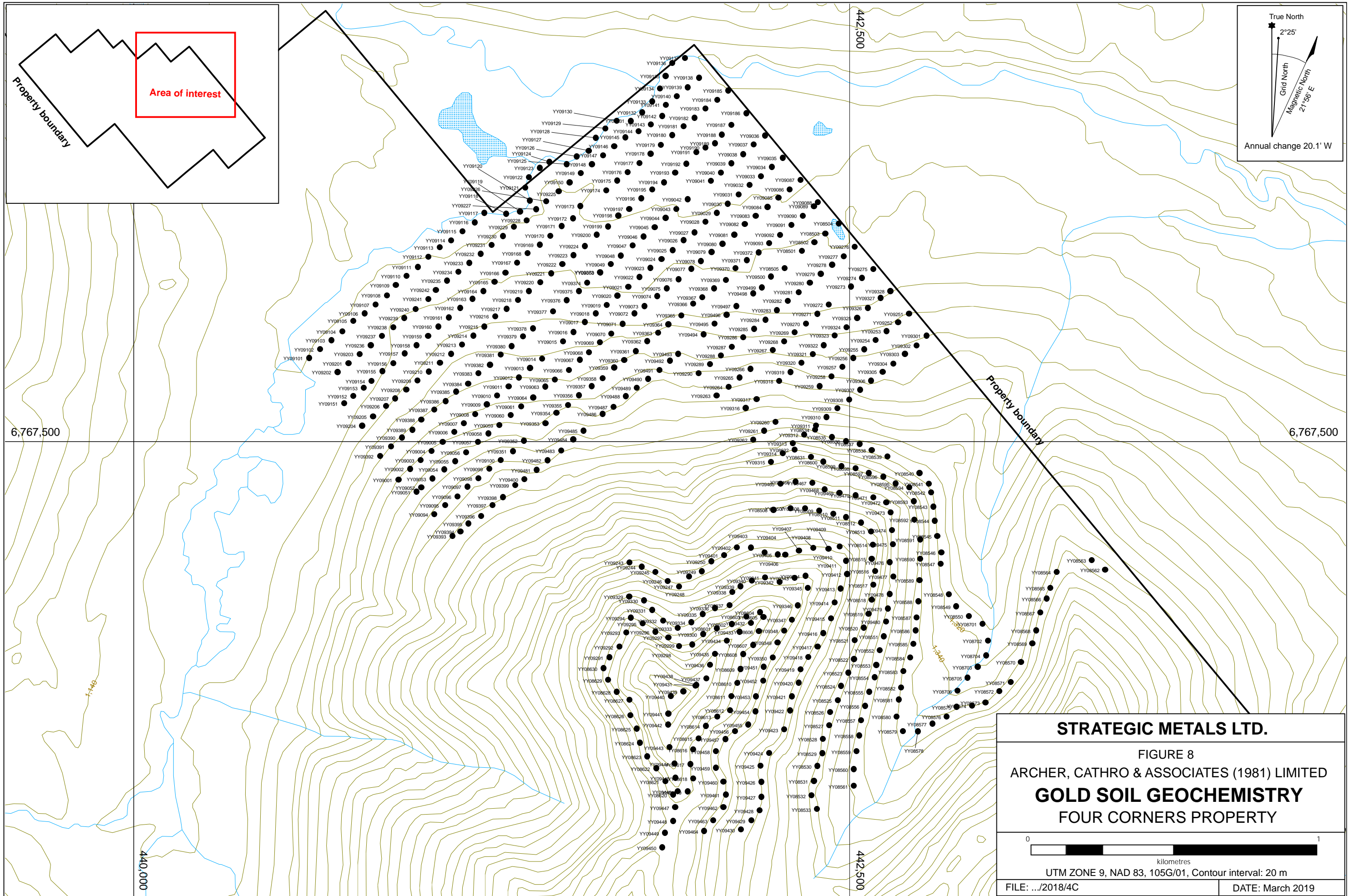
**STRATEGIC METALS LTD.**

FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**MINERALIZATION**  
FOUR CORNERS PROPERTY

0 2,000  
metres  
UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2018/FOUR CORNERS DATE: FEBRUARY 2019





6,767,500

6,767,500

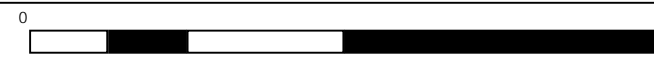
440,000

442,500

442,500

**STRATEGIC METALS LTD.**

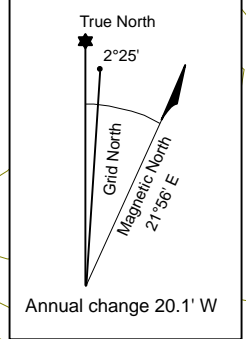
FIGURE 8  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD SOIL GEOCHEMISTRY**  
 FOUR CORNERS PROPERTY



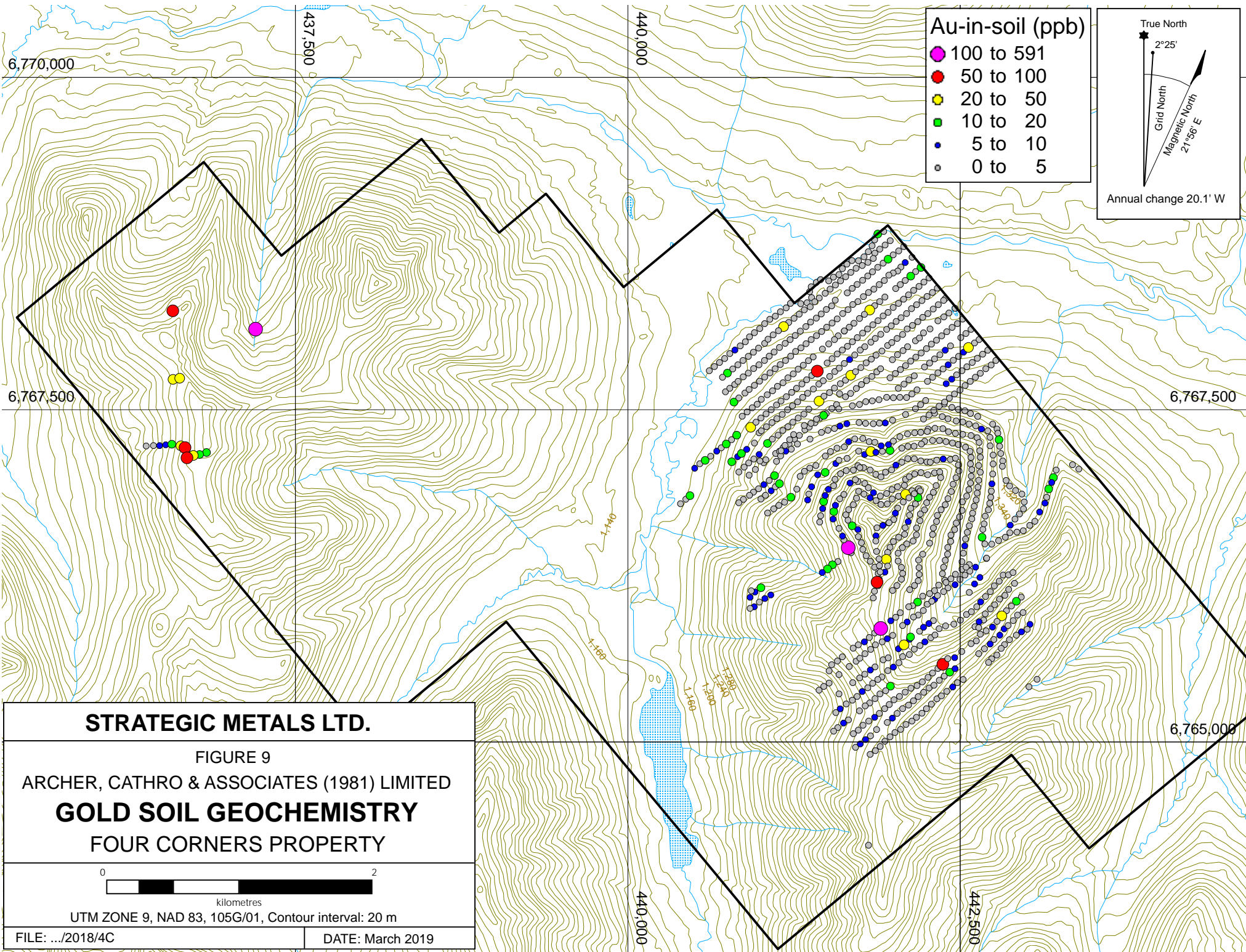
UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C

DATE: March 2019







**STRATEGIC METALS LTD.**

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**GOLD SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY



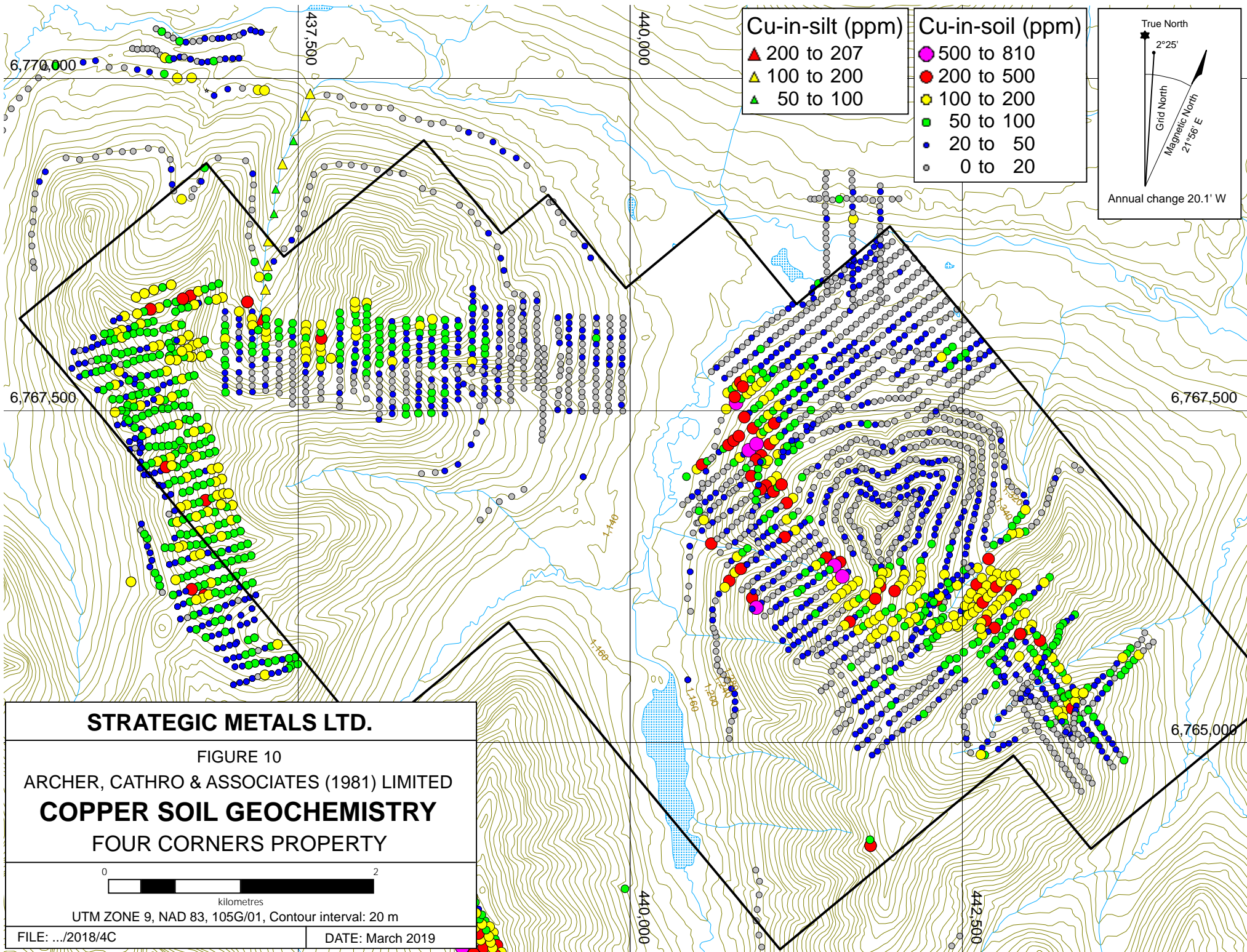
kilometres

UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C

DATE: March 2019





**STRATEGIC METALS LTD.**

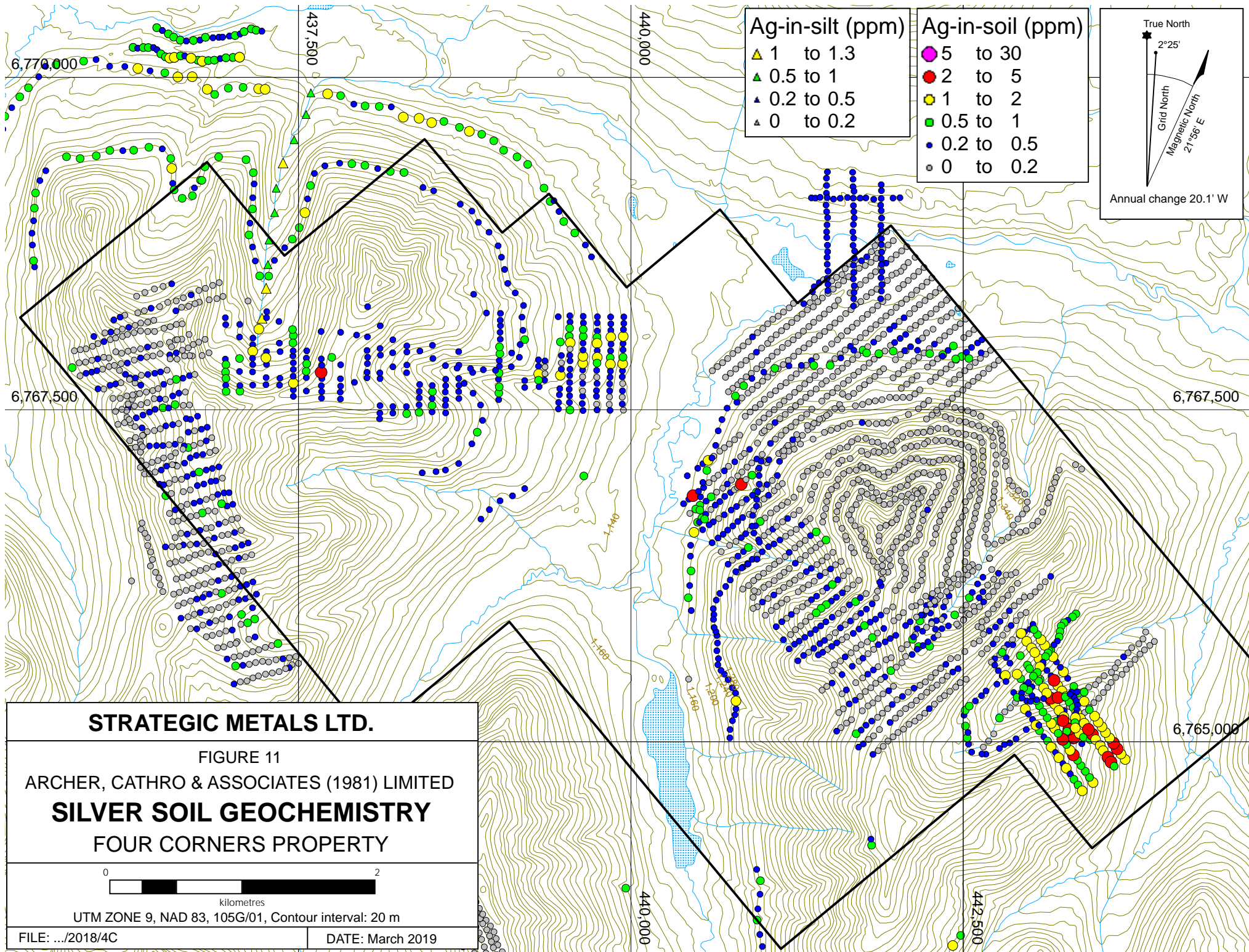
FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**COPPER SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY





**STRATEGIC METALS LTD.**

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SILVER SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY

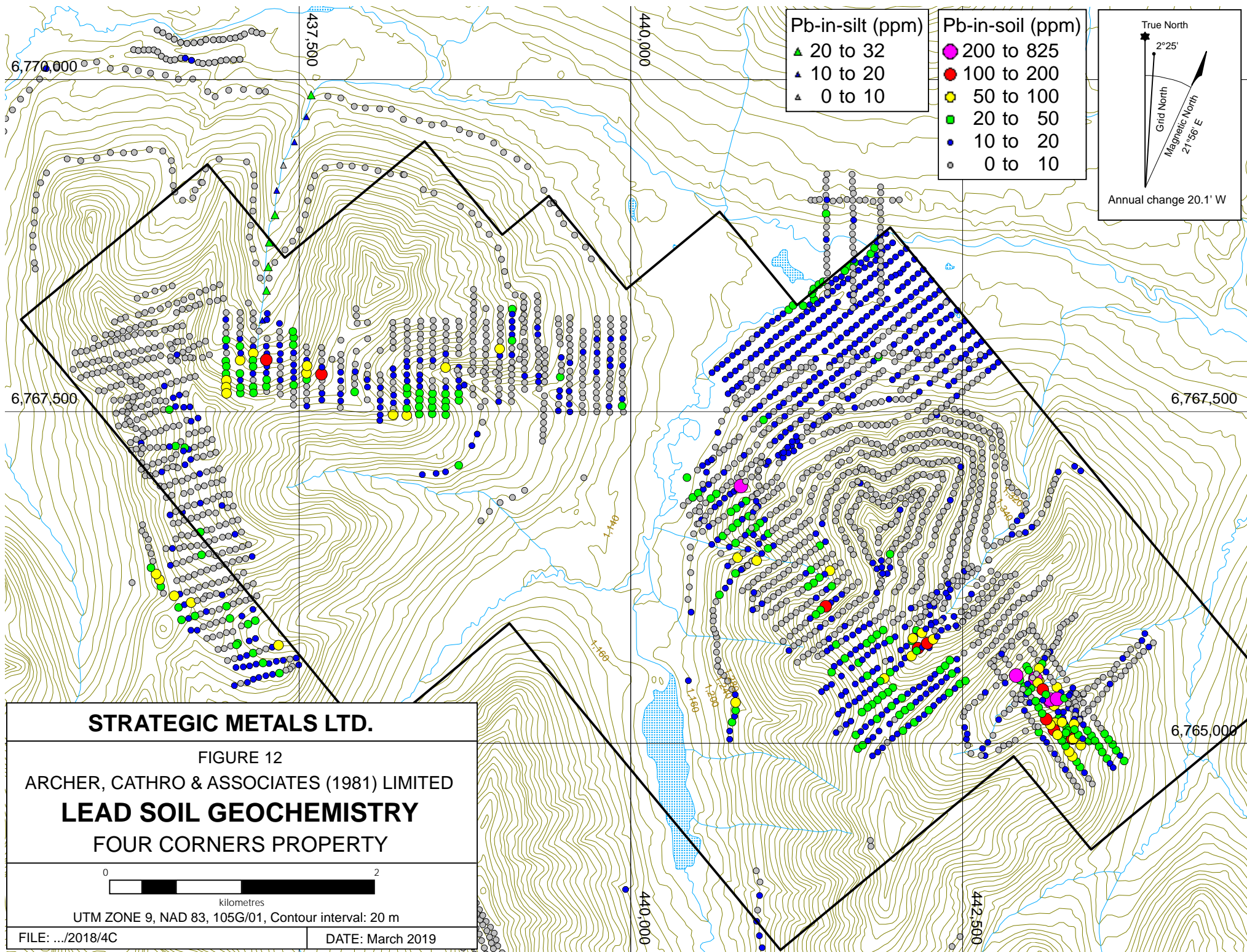


UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C

DATE: March 2019



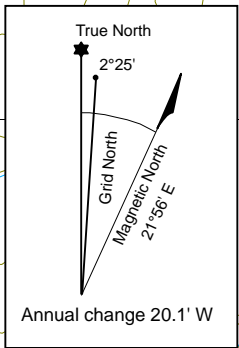


**Pb-in-silt (ppm)**

- ▲ 20 to 32
- ▲ 10 to 20
- ▲ 0 to 10

**Pb-in-soil (ppm)**

- 200 to 825
- 100 to 200
- 50 to 100
- 20 to 50
- 10 to 20
- 0 to 10



**STRATEGIC METALS LTD.**

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**LEAD SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY



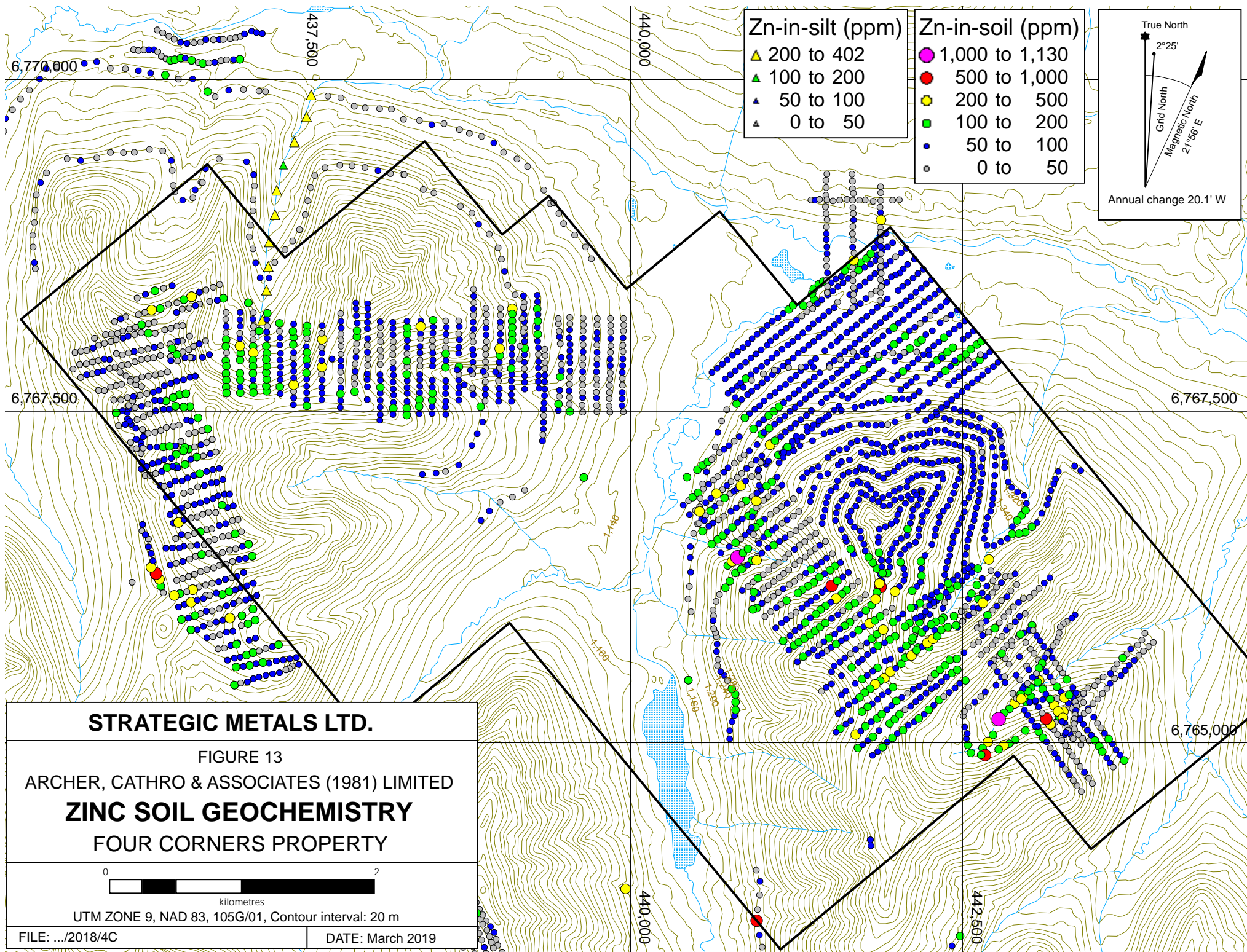
kilometres

UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C

DATE: March 2019





**STRATEGIC METALS LTD.**

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ZINC SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY

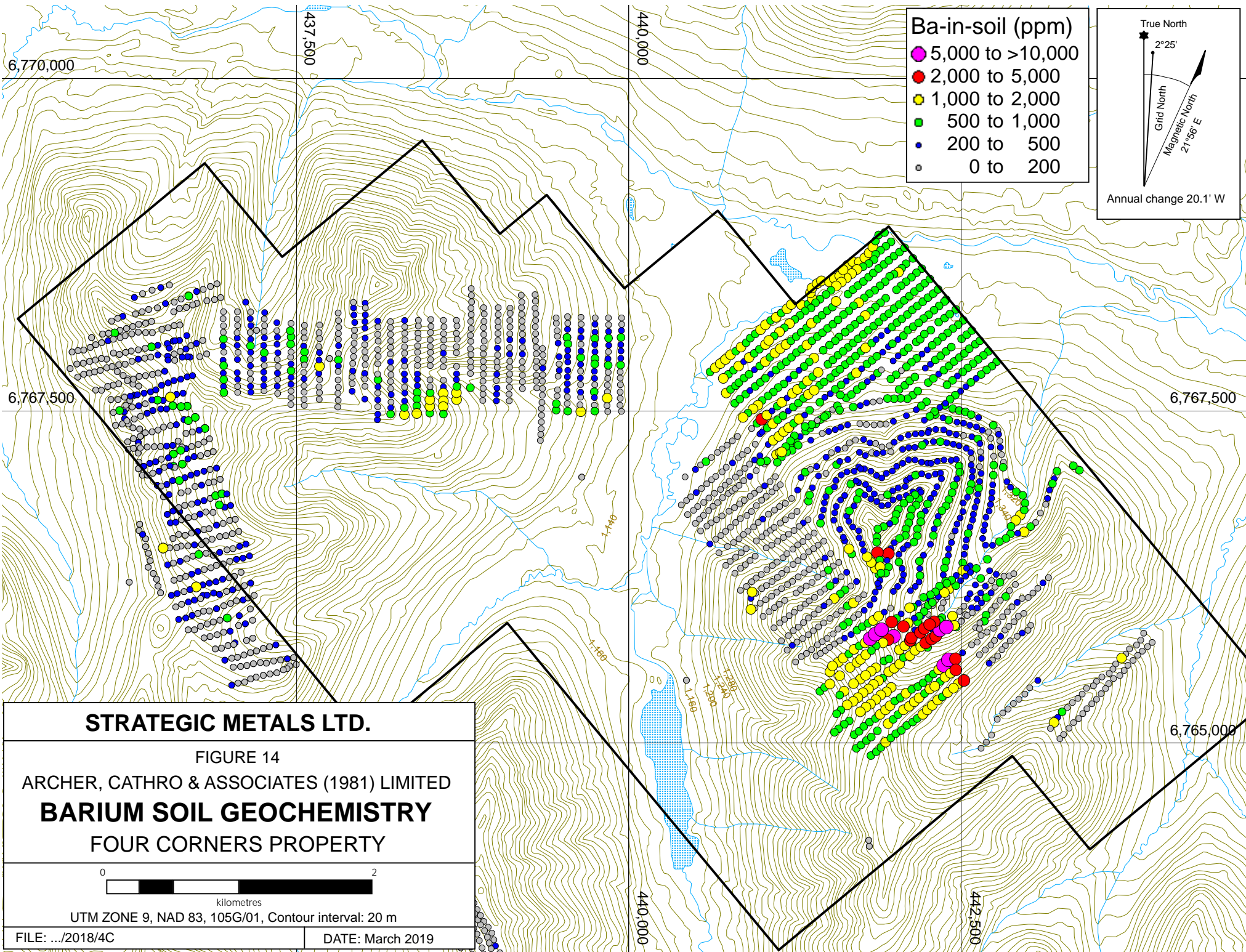


UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C

DATE: March 2019





**Ba-in-soil (ppm)**

- 5,000 to >10,000
- 2,000 to 5,000
- 1,000 to 2,000
- 500 to 1,000
- 200 to 500
- 0 to 200

True North  
 2°25'  
 Grid North  
 Magnetic North  
 21°56' E  
 Annual change 20.1' W

**STRATEGIC METALS LTD.**

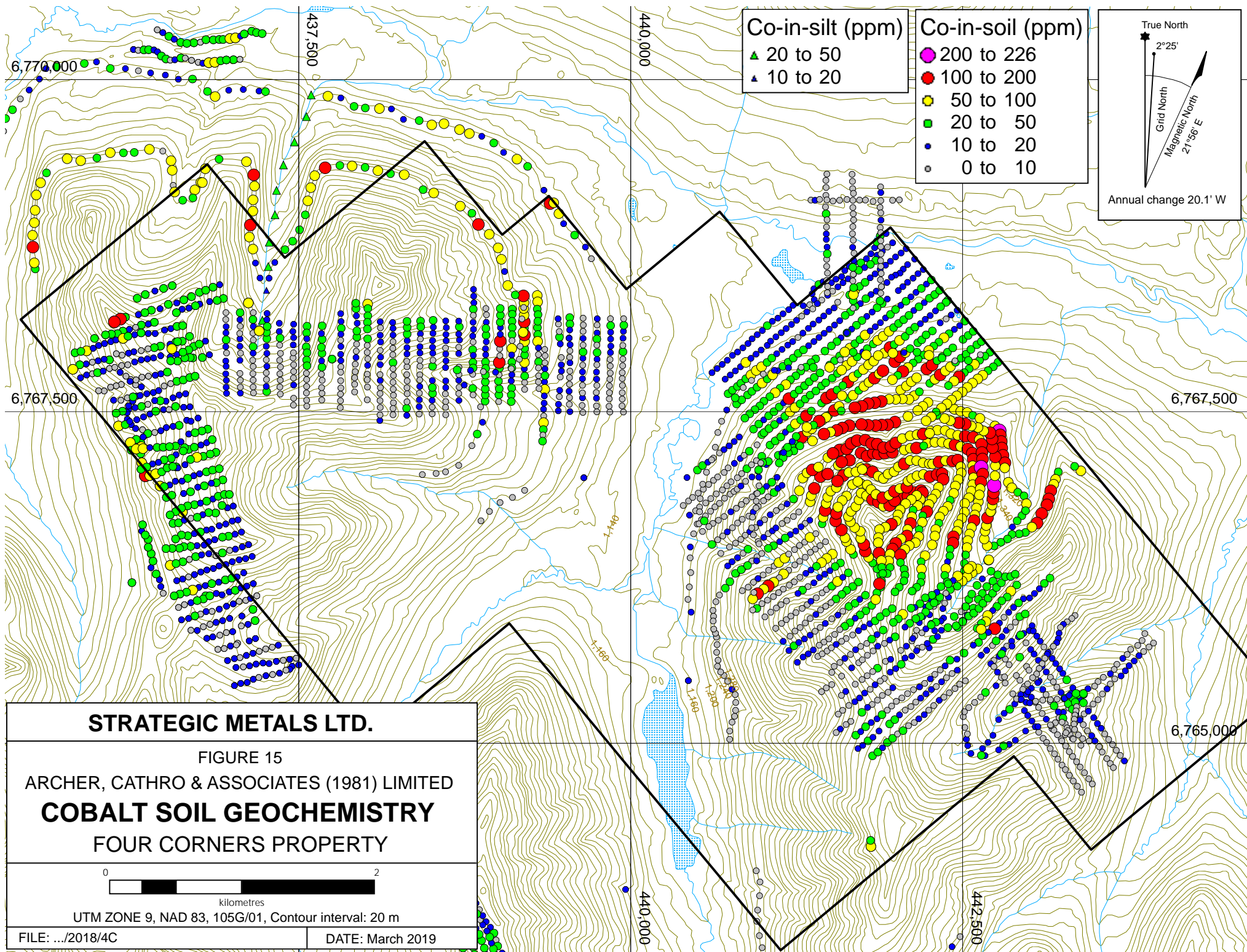
FIGURE 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**BARIUM SOIL GEOCHEMISTRY**  
 FOUR CORNERS PROPERTY

0 2  
 kilometres

UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C      DATE: March 2019





**STRATEGIC METALS LTD.**

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**COBALT SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY

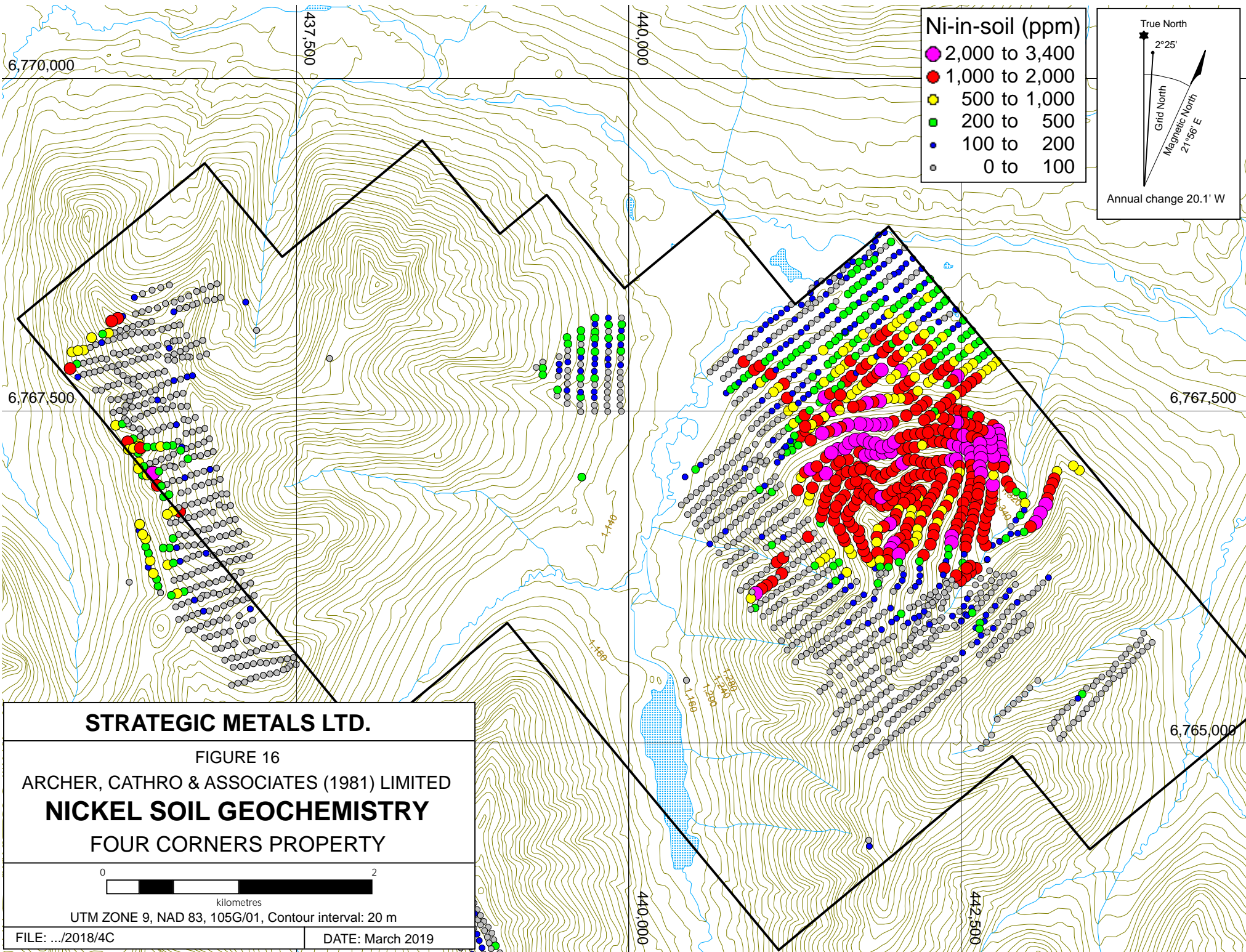


UTM ZONE 9, NAD 83, 105G/01, Contour interval: 20 m

FILE: .../2018/4C

DATE: March 2019





**STRATEGIC METALS LTD.**

FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**NICKEL SOIL GEOCHEMISTRY**

FOUR CORNERS PROPERTY