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**ASSESSMENT REPORT**

describing

**PROSPECTING AND SOIL GEOCHEMICAL SAMPLING**

Field work performed July 13 to 19, 2017  
at the

**EUREKA PROPERTY**

Eureka 1-56	YC12951-YC13006
57-60	YC13701-YC13704
73-84	YC13717-YC13728
97-112	YC13741-YC13756
121-182	YC13765-YC13826
189-202	YC13833-YC13846
203-258	YD07463-YD07518
259-270	YD07909-YD07920
273-276	YD07923-YD07926
277-354	YD07927-YD08004
370-380	YD08020-YD08030
390-411	YD08040-YD08061

NTS 1150/10 and 1150/07  
Latitude 63°32'N; Longitude 138°52'W

in the

Dawson Mining District  
Yukon Territory

prepared by  
Archer, Cathro & Associates (1981) Limited

for

**TRIFECTA GOLD LTD.**

By

K. Willms, B.Sc.  
January, 2018

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## INTRODUCTION

The Eureka property is located in the Dawson Range Gold Belt (DRGB) of western Yukon and covers gold-bearing, vein- and breccia-style mineralization and gold-bearing drainages that host significant placer deposits. The DRGB is a district of major porphyry and vein occurrences, including Western Copper and Gold Corp.'s Casino deposit, Rockhaven Resources Ltd.'s Klaza deposit, White Gold Corp.'s Golden Saddle deposit and Goldcorp Inc.'s Coffee deposit. Placer operations on creeks draining the property have produced more than 207,000 ounces of gold combined since 1978. The Eureka property is wholly owned by Trifecta Gold Ltd., but is subject to a 1% net smelter return royalty payable to Victoria Gold Corp.

This report describes prospecting and geochemical sampling conducted between July 13 and 19, 2017 by Archer, Cathro & Associates (1981) Limited on behalf of Trifecta Gold. The author supervised the program and interpreted all results from this work. The author's Statement of Qualifications is located in Appendix I, while a Statement of Expenditures appears in Appendix II.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Eureka property consists of 347 contiguous mineral claims, which are located in west-central Yukon at latitude 63°32' north and longitude 138°52' west (Figure 1). The property covers an area of approximately 7200 ha (72 km<sup>2</sup>). The claims are registered with the Dawson Mining Recorder in the name of Trifecta Gold. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Eureka 1-56	YC12951-YC13006	February 15, 2028
57-60	YC13701-YC13704	February 15, 2028
73-84	YC13717-YC13728	February 15, 2028
97-112	YC13741-YC13756	February 15, 2028
121-182	YC13765-YC13826	February 15, 2028
189-202	YC13833-YC13846	February 15, 2028
203-258	YD07463-YD07518	February 15, 2027
259-270	YD07909-YD07920	February 15, 2027
273-276	YD07923-YD07926	February 15, 2023
277-354	YD07927-YD08004	February 15, 2027
370-380	YD08020-YD08030	February 15, 2027
390-411	YD08040-YD08061	February 15, 2027

\* Expiry dates do not include 2017 work that has not yet been filed for assessment credit.

The Eureka property lies approximately 370 km northwest of Whitehorse and 65 km south of Dawson City, the nearest supply centre. The property is accessed via the Hunker Creek-South Klondike road system, which joins the Klondike Highway 20 km east of Dawson City. The Hunker Creek-South Klondike road system extends south for 90 km before reaching the property, and is normally suitable for two-wheel drive vehicles during the summer and fall.

Access to various parts of the property is provided by a network of four-wheel drive roads and bulldozer trails that are maintained by local placer miners.

### **HISTORY AND PREVIOUS WORK**

Black Hills and Eureka creeks, which drain the Eureka property, have been explored for placer gold since the Klondike gold rush of 1898. Extensive mining has been conducted using shafts and ground sluicing from the late 1890s until the early 1940s and modern, open-cut mining methods since 1959. Reported gold production on Black Hills and Eureka creeks from 1978 to 2017 is 112,655 and 95,283 ounces of gold, respectively (YGS, 2017).

Figure 3 illustrates the significant historical workings on the property including main roads and trails, named showings, and collar locations for reverse circulation percussion (RC) and diamond drill holes.

Hard rock exploration done in the area prior to 1988 is poorly documented. In 1988, Dawson Eldorado Mines Ltd. and Wealth Resources Ltd. staked the Reka claims to cover the headwaters of Eureka Creek, where a Geological Survey of Canada (GSC) stream sediment sample returned 89 ppb gold. Dawson Eldorado Mines and Wealth Resources performed geological mapping and soil sampling along the ridge system separating upper Eureka Creek from Childs Gulch, a tributary of Black Hills Creek. This work identified three north-trending showings where gold occurs in rocks and soils – the Allen, Childs and Wealth (van Angeren, 1988). Despite encouraging results, the Reka claims were allowed to lapse.

In 1992, the area was restaked as the Clara claims by Wealth Resources and Pacific Mariner Exploration Ltd. Minor soil sampling and ground-based Very Low Frequency Electromagnetic (VLF-EM) geophysical surveys were carried out between 1992 and 1994, in the vicinity of the previously identified showings. In 1994, bulldozer trenching was conducted across gold-in-soil anomalies and VLF-EM conductors (Deklerk and Traynor, 2005).

In late 1998, Archer Cathro conducted a comprehensive study of the placer gold from Eureka Creek and Childs Gulch. Gold recovered from the upper reaches of both creeks is described as a mixture of angular, coarse and fine grains with the average grain size decreasing and the fineness increasing downstream. Some grains were reported to contain inclusions of dark quartz while others were attached to larger white quartz fragments. Based on these observations, the study concluded that the bedrock sources for the placer gold lie within the Eureka Creek and Childs Gulch drainages.

In 1999, Nordac Resources Ltd. (now Strategic Metals) staked 72 Eureka claims and a number of adjoining Arminus claims in order to cover the potential sources of placer gold identified in Archer Cathro's study. Later that spring, Nordac Resources formed the Eureka Joint Venture with Expatriate Resources Ltd. and staked an additional 314 claims in the study area.

During the summer of 1999, Eureka Joint Venture collected 499 soil samples from the Eureka project area in conjunction with limited prospecting. Soil sampling identified an area of strongly anomalous gold geochemistry in the area drained by upper Eureka Creek. A sample of limonitic breccia float with remnant pyrite cubes, collected from the Allen Showing, returned 15 g/t gold,

25.5 g/t silver, 3510 ppm arsenic and 23 ppm molybdenum (Wengzynowski, 2000). Following this work, all claims comprising the Armenius property and some of the Eureka claims were allowed to lapse.

In February 2002, Viceroy Resource Corporation optioned the Eureka property and completed three reverse circulation (RC) percussion drill holes at the Allan Showing and one hole at the Wealth Showing. Drilling at the Wealth Showing confirmed down-dip continuity of mineralized breccia exposed in trenches, yielding 0.66 g/t gold over an 8 m true width. However, the three drill holes designed to test the down-dip continuity of the Allen Showing failed to return significant results, and the option agreement was subsequently terminated (Diment, 2002).

In January 2003, Expatriate Resources transferred its interest in the Eureka property to StrataGold, as part of a corporate reorganization.

In spring 2006, StrataGold and Strategic Metals signed an agreement that allowed Strategic Metals to earn a 100% interest in the property by funding the 2006 exploration program, which comprised prospecting, 1151 m of excavator trenching and 823 m of RC percussion drilling in ten holes (Wengzynowski, 2006). Trenches dug across the Wealth Showing exposed quartz breccia in an area of pervasive clay alteration. Trench T1 exposed several narrow breccia zones that averaged 0.539 g/t gold over 20 m, while Trench T2 exposed intervals that graded 1.055 g/t gold and 18.9 g/t silver over 2 m and 0.747 g/t gold over 10 m. Drilling at the Wealth Showing tested beneath trench exposures and geochemical anomalies. Significant results included intervals that yielded 0.592 g/t gold over 18.3 m, 2.34 g/t gold over 3.05 m and 1.13 g/t gold over 6.1 m (Wengzynowski, 2006). Trenching at the Childs Showing traced a two to five metre wide zone of breccia over a length of 500 m, returning up to 0.722 g/t gold over 4 m. A parallel zone of breccia assayed 0.481 g/t gold over a true width of 5.5 m (Wengzynowski, 2006). Strategic Metals gained sole ownership of the property.

In 2007, Anfield Ventures Inc. optioned the property and the following year it conducted property-wide helicopter-borne Versatile Time Domain Electromagnetic (VTEM) and magnetometer surveys. These surveys identified a magnetic break separating two contrasting fields of magnetic intensity, which corresponds with a prominent northwesterly trending linear topographic feature (Gregory, 2009). This feature was interpreted as the surface trace of a major thrust fault and approximately parallels the trend of the mineralized breccia zones at the Wealth and Childs showings. Anfield dropped its option in 2009.

In 2009, Strategic Metals completed 4200 m of excavator trenching in 18 trenches plus additional soil geochemical sampling and prospecting. The most significant trenching results were obtained from the Wealth Showing. Trench TR-09-01 exposed six subparallel bands containing blue-grey gouge, quartz breccia and quartz vein material. Chip samples collected across one of the bands averaged 0.97 g/t gold over 17.9 metres, including 2.56 g/t gold over 3 m. Another band in the same trench returned 0.45 g/t gold over 16.6 m (Smith, 2009). The soil geochemical survey collected 3609 soil samples from the central part of the property. This work identified widespread gold-in-soil anomalies (up to 762 ppb) with subordinate arsenic and antimony response along the northwest-trending topographic feature (Smith, 2009).

In 2010, Golden Predator Royalty & Development Corp. (now Golden Predator Mining Corp.) optioned the Eureka property and completed 2961 m of RC percussion drilling in 27 holes at the Wealth and Childs showings. Drilling at the Wealth Showing targeted a possible north-south extension of the mineralized breccia systems that were exposed by trenching in 2006. Significant results included intervals of 0.677 g/t gold over 3.04 m, 2.440 g/t gold over 1.53 m and 1.38 g/t gold over 3.05 m. Drilling at the Childs Showing, designed to follow-up previous trenching and drilling results, returned intervals of 6.620 g/t and 1.190 g/t gold, both over 1.52 m intervals (O'Brien, 2012).

In 2011, Golden Predator conducted 1188 m of diamond drilling in eight holes. The program was designed to test the Childs and Allen showings and a soil geochemical anomaly north of the Wealth Showing. The most significant result was 9.99 g/t gold over 1.51 m from hole EU11-029, which targeted the geochemical anomaly (O'Brien, 2012). The geochemical anomaly was named the Happy Showing. Golden Predator subsequently terminated the option.

In 2015, Strategic Metals performed 10 days of mapping, prospecting and soil geochemical sampling on the property. A total of 49 rock and 823 soil samples were collected for analysis. Rock samples from this program returned significant values from the Wealth and Childs showings, with peak values of 0.984 g/t gold and 56.9 g/t silver. Soil sampling yielded anomalous gold (up to 372 ppb), arsenic (up to 615 ppm), copper (up to 497 ppm), antimony (up to 28 ppm) and nickel (up to 681 ppm) from various parts of the property (Morton, 2016).

In 2016, Strategic Metals conducted a prospecting and geochemical sampling program on the property. A total of 1019 soil and seven rock samples were collected on the property. Soil sampling extended the main soil grid to the north and east. This work returned up to 180 ppb gold and 809 ppm arsenic near the Happy Showing and identified a new gold-in-soil anomaly in the northern part of the property, which returned up to 137 ppb proximal to the northwesterly trending linear identified in 2007 (Burrell, 2016).

In late 2016, Trifecta Gold acquired the Eureka property from Strategic Metals.

## **GEOMORPHOLOGY**

The Eureka property is situated in the northern Dawson Range, an incised peneplain that escaped Pleistocene glaciation. Topography in the area is characterized by gently rounded hills and "V" shaped dendritic valleys. Two dominant drainages, Black Hills and Eureka Creek, drain the property and are tributaries of the Stewart and Indian rivers, respectively, which lie within the Yukon River watershed.

The property is located below treeline, and elevations range from 560 m above sea level (asl) in valley bottoms to 1300 m asl along the ridge separating Eureka Creek from Black Hills Creek. Vegetation is characterized by mature poplar stands along the lower creek valleys and stunted black spruce, willow, dwarf birch and juniper at higher elevations. In 2004, much of the property was engulfed by a forest fire.

Soil profiles in the Dawson Range are complex compared to most other places in Yukon. Due to the absence of glaciation, ridges and spines are deeply weathered and often leached of mobile metals

The climate in the vicinity of the Eureka property is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, snowfall can occur in any month. The property is mostly snow free from early May to late October.

### **REGIONAL GEOLOGY**

The Eureka property is located in Yukon-Tanana Terrane (YTT), the easternmost and largest pericratonic terranes accreted to the northwestern margin of ancestral North America (Figure 4). It consists of Late Devonian to Middle Permian continental margin sediments, island arc volcanics and coeval intrusions that record the evolution of a continental arc and back-arc system built upon a pre-Late Devonian metasedimentary basement. This sequence was metamorphosed during accretion in Permo-Triassic time and subsequently cut by the Tintina Fault, a large transcurrent structure that produced 450 km of dextral offset during the Eocene (Colpron et. al, 2005; Nelson and Colpron, 2007). The Tintina Fault is located 50 km northwest of the property, where it forms the boundary between YTT to the southwest and ancestral North America to the northeast.

In 1996, Indian and Northern Affairs Canada published a geological map of the northern Stewart River Area and the Klondike and Sixtymile districts (including parts of 1150/15, 16) at 1:50,000 scale (Mortensen, 1996). In 2005, the GSC published an updated 1:250,000 scale compilation of the Stewart River Area, which includes the area of the Eureka property (Gordey and Ryan, 2005). Geological unit names were updated in 2015 by the Yukon Geological Survey and regional geological maps are periodically updated as new information becomes available (YGS, 2015). Figure 5 illustrates the updated regional geology and Table I summarizes the lithological units.

**Table I– Regional Lithological Units (*after Yukon Geological Survey, 2015*)**

<b>Map Suite</b>	<b>Age</b>	<b>Map Unit</b>	<b>Description</b>
Ross Group	Eocene to Paleocene	ITR2	Mixed bimodal volcanic rocks (rhyolite) dominantly along or near Tintina Fault; farther removed, scattered occurrences of rhyolitic lava are also included. (2) Rhyolite flows, tuff, ash-flow tuff and breccia, locally laminated; small stocks and necks of white weathering, flow-banded, quartz-sanadine porphyry to granite porphyry, locally obsidian bearing; local shale, sandstone and conglomerate.
Carmacks Group	Upper Cretaceous	uKC3	Volcanic succession dominated by basic volcanic strata and locally felsic volcanic rocks.



			(3) Acid vitric crystal tuff, lapilli tuff and welded tuff including feeder plugs and necks; felsic volcanic flow rocks and quartz feldspar porphyries; green and purple massive tuff-breccia with feldspar phyrlic fragments.
Indian River Formation	Lower Cretaceous	IKIR	Clast-supported pebble to cobble conglomerate with clasts of vein quartz and foliated quartzite; coarse-grained sandstone; minor tuff.
Minto Suite	Lower Jurassic to Upper Triassic	LTrEJgbM	Mostly intermediate but locally grading to hornblende gabbro. (gb) Hornblende gabbro; locally pegmatitic.
Sulphur Creek Suite	Permian	PgS	Variably foliated granitoids of intermediate composition. (g) Granodiorite and quartz-monzonite.
		PqS	Variably foliated granitoids of felsic composition. (q) Variably foliated K-feldspar augen granite, metaporphyry; coarse-grained, homogenous, hornblende-biotite-bearing granite.
Klondike Assemblage	Permian	PK1	Felsic metavolcanic rocks. (1) Tan to rusty and black weathering quartz-muscovite-chlorite schist; quartz and/or feldspar augen-bearing quartz-muscovite (chlorite) schist; locally includes augen gneiss.
Simpson Range Suite	Mississippian	MgSR	Foliated granitoid of mainly granodiorite to tonalite composition. (g) Foliated to strongly foliated, fine to medium-grained, hornblende-bearing metagranodiorite, metadiorite and metatonalite.
Finlayson Assemblage	Upper Devonian to Mississippian	DMF1	Assemblage of mafic rocks of arc and back-arc affinities. (1) Medium to dark green intermediate to mafic volcanic and volcanoclastic rocks; fine-grained amphibolite and greenstone.
Snowcap Assemblage	Neoproterozoic to Upper Devonian	PDS1	Assemblage of dominantly metasiliciclastic rocks. (1) Polydeformed and metamorphosed quartzite, psammite, pelite and marble; minor greenstone and amphibolite
		PDS2	Assemblage of minor marble. (2) Light grey to buff weathering marble, generally lenticular and discontinuous.

The region is underlain by a basement of Snowcap Assemblage (PDS1) metasiliciclastic and Finlayson Assemblage (DMF1) volcanic rocks. This basement is cut by meta-plutonic rocks of the Simpson Range (MgSR) and Sulphur Creek (PqS and PgS) suites, meta-volcanic rocks of the Klondike Assemblage (PK1) and a meta-gabbroic sill of the Minto Suite (LTrEJgbM). Post-accretionary tuffaceous volcanics of the Carmacks Group (uKC3) and Indian River Formation (IKIR) fluvial chert-pebble conglomerates and quartzites overlie the metamorphic rocks. The

youngest unit observed in the region comprise plugs of Ross Group (ITR2) subvolcanic rhyolite to rhyodacite porphyry.

Five phases of deformation are recognized in the White Gold and Klondike districts of the YTT, spanning from Middle Permian to Late Cretaceous (Mortensen et al., 2012). The first two phases consist of two ductile deformation phases (D1 and D2) that occurred during initial accretion of the YTT. These phases are characterized by penetrative foliation sub-parallel to original bedding that takes on a northwesterly trend and dips gently to the northeast. A phase of ductile-brittle deformation (D3), associated with regional thrust fault development in the Early Jurassic, formed crenulation cleavage that is axial planar to northeast verging folds. These crenulations coincide with serpentinite and greenstone emplacement along the thrust faults. Phase 4 brittle-ductile deformation (D4), which occurred from Middle to Late Jurassic, is concentrated in north to northwest trending deformation corridors up to 100 m wide. These corridors comprise upright axial planes and buckle folds. High angle reverse faults and related gouge zones are also associated with this phase. The final deformation event (D5) is a brittle phase associated with northeast trending normal faults and gouge that occurred in the Late Cretaceous.

### **PROPERTY GEOLOGY**

No systematic property-scale geological mapping has been performed by Trifecta Gold or any of the previous owners on the Eureka property. Systematic mapping is encumbered by a lack of bedrock exposures, which are generally confined to ridge crests, placer excavations and road cuts. The property geology described below is based on regional mapping by the GSC and YGS, and a few observations made by exploration geologists who have worked on various parts of the property at different times.

The property is mostly underlain by Snowcap Assemblage quartzite with interbedded quartz±muscovite±biotite schist and phyllite (PDS1), which exhibits well-developed foliation that dips 10° to 35° west. Tight parasitic folding in this unit was noted by Diment (2002). North to northwesterly-trending horizons of marble (PDS2) have been observed in the southwestern part of the property where they form buff weathering cliffs.

In the southeastern part of the property, where Snowcap Assemblage metasiliciclastics are currently mapped, small subcrop exposures and in-situ boulders of granite and gneiss were observed during the 2017 soil geochemical program. These rocks are most likely related to the Sulphur Creek Suite intrusion mapped to the east of the property.

Eureka Creek and Childs Gulch form a north-northwest-trending topographic linear that is interpreted to represent the surface trace of a northwest dipping thrust fault. Breccia zones exposed on the west side of the linear, the hanging wall of the thrust, are orientated approximately parallel to the linear.

In 2012, Sanchez et al., synthesized publically available, regional-scale geological and geophysical data from western Yukon and eastern Alaska. According to Sanchez et al., deformation processes and fluid pressures associated with structural controls generate and maintain permeability within active faults, shear zones, and fracture networks. Specifically,

steeply dipping, northeasterly trending brittle structures in the western Yukon have focussed pervasive fracturing, therefore, increasing the rock permeability and pressure gradients. Secondary permeability may be further enhanced at structural intersections. The airphoto linear on the property exhibits structural and mineralogical characteristics that are consistent with the large-scale regional trends highlighted by Sanchez et al.

### **PROPERTY MINERALIZATION**

The Eureka property hosts two main types of gold mineralization: 1) auriferous quartz breccias and gouge zones that are found along low angle shear and fault structures; and, 2) massive quartz veins with elevated concentrations of gold.

**Quartz breccias** on the property consist of autoclastic, subangular to well rounded, limonitic quartz clasts cemented in a matrix of rock flour. Mineralization consists of pitted clots of limonite found in quartz fragments and along fractures, with rare remnant pyrite. The geochemistry of the breccias is generally characterized by positive correlations between gold, silver, arsenic, molybdenum and lead, with near background values for antimony and bismuth.

**Veins** comprise clear to white, strongly fractured quartz with rusty weathering vugs and pits along fractures. Mineralization within the veins consists of remnant disseminated pyrite, galena, chalcopyrite and arsenopyrite, in decreasing order of abundance. Some specimens exhibit crackle brecciation, which are distinguished from the milled breccias by the strong angularity of the fragments and the absence of a rock flour matrix.

Prospecting, trenching and drilling on the Eureka property have identified five named showings: Happy, Allen, Wealth, Childs and Ball. Descriptions of the showings are provided in the following paragraphs.

The **Happy Showing** is located at the toe of a north-trending ridge within an arcuate gold-arsenic soil geochemical anomaly (Anomaly E). In 2011, a diamond drill hole targeting the soil anomaly and a northwest-trending fault returned 9.99 g/t gold over 1.5 m from an intercept that is associated with a narrow zone of graphitic, healed fault breccia (O'Brien, 2012).

The **Wealth Showing** is found 1600 m southwest of the Happy Showing, along the same ridge. Eight trenches excavated across the showing between 1999 and 2009 exposed north-trending quartz breccias with clay alteration halos. Significant results from this work include chip samples yielding 0.54 g/t gold over 20 m, 0.97 g/t gold over 17.9 m, 0.75 g/t gold over 10 m and 1.06 g/t gold over 2 m (Deklerk and Traynor, 2005; Wengzynowski, 2006; and Smith, 2009). In 2006, 10 RC drill holes were completed along three section lines in the core of the Wealth Showing. Elevated gold values were encountered from intervals in all 10 holes, with highlights including: 0.592 g/t gold over 18.3 m and 1.38 g/t gold over 3.05 m (Wengzynowski, 2006). In 2010, an additional 23 RC drill holes were completed at the Wealth Showing. The most significant results from this work were from two holes spaced 100 m apart, designed to test quartz veins and breccias exposed in 2009 excavator trenches. Those holes returned 2.44 g/t gold over 1.53 m and 1.93 g/t gold over 1.52 m along the same stratigraphic horizon (Bourne and

Marino, 2010). The showing is situated in a 600 by 300 m gold-in-soil enriched area that is part of a larger elongated soil geochemical anomaly, Anomaly B.

Preliminary cyanide leach bottle-roll tests of course reject material from chip samples taken from trenches at the Wealth Showing yielded the following results in a 24 hour period (Smith, 2009).

**Table II – Results of Cyanide Leach Test**

<b>Gold Head Grade (g/t)</b>	<b>Gold from Cyanide Recovery (g/t)</b>	<b>Recovery Percent (%)</b>
0.32	0.33	100
0.59	0.57	96.6
1.16	0.90	77.6
2.76	2.72	98.5

The **Allen Showing** lies 1000 m southeast of the Happy Showing and is exposed in a single, deep trench cut along a different north-trending ridge. The showing consists of a clay-altered breccia zone that is two to five metres wide and trends north to northwest. Rock samples yielded up to 15 g/t gold, but follow up trenching returned only 0.44 g/t gold over four metres (Wengzynowski, 2000). In 2002, three RC drill holes targeted the Allen Showing, and in 2011 one diamond drill hole was completed. The diamond drill hole intersected numerous small gouge zones, as well as minor local brecciation, but none of the four holes yielded significant results for gold or other metals of interest (Diment, 2002; O'Brien, 2012). The showing lies within a gold-arsenic-lead soil geochemical anomaly, Anomaly F.

The **Childs Showing** lies 2.7 km south of the Wealth Showing and comprises gold-bearing breccia zones exposed in three excavator trenches. Chip samples collected from the trenches yielded 0.722 g/t gold over a true width of 4 m and 0.481 g/t gold over a true width 5.5 m (Wengzynowski, 2006). In 2010, four RC drill holes were completed at the Childs Showing, which were designed to intersect the down-dip extension of the gold-bearing breccias exposed in trenches. All four holes returned significant gold grades, including 6.62 g/t gold over 1.52 m and 1.19 g/t gold over 1.52 m (Bourne and Marino, 2010). The Childs Showing also lies within Anomaly B

The **Ball Showing** is located 2.2 km southeast of the Childs Showing and comprises a gold-rich quartz vein that was exposed in bedrock by placer mining. A chip sample across the vein assayed 9.8 g/t gold over 0.6 m. In 2011, five short diamond drill holes totalling 385.07 m were attempted in the area around the Ball Showing, but most were abandoned due to difficult ground conditions and none appears to have reached the vein (O'Brien, 2012).

In 2017, two rock samples were collected in the southeastern part of the property and one was taken at the Happy Showing. All of the samples returned low values for gold, but an intensely brecciated sample collected from historical placer workings in the southeastern part of the property returned 1995 ppm arsenic and 500 ppm antimony. The 2017 rock sample locations are plotted on Figure 6. Rock Sample Descriptions and Certificates of Analysis for the 2017 samples are provided in Appendices III and IV, respectively.

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. Rock sample preparation and multi-element analyses were carried out at ALS Minerals' laboratory in North Vancouver, BC. Each sample was dried, 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 35 elements using an aqua regia digestion followed by inductively coupled plasma combined with atomic emission spectroscopy (ME-ICP41). An additional 30 g charge was further analyzed for gold by fire assay followed by inductively coupled plasma-atomic emissions spectroscopy (Au-ICP21).

### **SOIL GEOCHEMISTRY**

Approximately half of the Eureka property has been soil sampled on an 8.5 by 3.7 km grid. In 2017, Trifecta Gold collected 439 soil samples, expanding geochemical coverage near the Happy Showing and along a northwesterly trending linear in the southeast corner of the property. Samples from the Happy Showing yielded up to 170 ppb gold and 77 ppm arsenic, while samples in the southeastern part of the property returned up to 545 ppm gold, 139 ppm arsenic, 736 ppm copper and 163 ppm lead.

Figures 7A and 7B illustrate the 2017 soil sample locations, while results from all programs for gold, arsenic, antimony, lead, copper, nickel and molybdenum are illustrated thematically on Figures 8 to 14, respectively. Certificates of Analysis for the 2017 samples are provided in Appendix IV.

The 2017 soil sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were collected from 5 to 75 cm deep holes dug by hand-held auger. They were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Minerals in North Vancouver where they were dried and screened to -180 microns and then analysed for 35 elements using the inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Throughout historical soil geochemical sampling programs different analytical techniques have been used. Anomalous thresholds and peak values for the metals of interest are listed in Table III.

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

Element	Anomalous Thresholds				
	Weak	Moderate	Strong	Very Strong	Peak
Gold (ppb)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	762
Arsenic (ppm)	≥ 20 < 50	≥ 50 < 100	≥ 100 < 200	≥ 200	809
Antimony (ppm)	≥ 5 < 10	≥ 10 < 20	≥ 20 < 50	≥ 50	1780
Lead (ppm)	≥ 20 < 50	≥ 50 < 100	≥ 100 < 200	≥ 200	394
Copper (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200 < 500	≥ 500	736*

Nickel (ppm)	$\geq 50 < 100$	$\geq 100 < 200$	$\geq 200 < 500$	$\geq 500$	681
Molybdenum	$\geq 1 < 2$	$\geq 2 < 5$	$\geq 5 < 9$	-	9

\* 2017 soil sample

Due to the abundance of regionally anomalous (greater than 20 ppb) gold-in-soil values on the Eureka property, the thresholds used to describe the geochemistry have been expanded in this report to allow for meaningful discussion. Moderately to strongly anomalous gold-in-soil values span across a 7800 m by 4000 m area within the soil grid. The soil grid on the property hosts 10 typically north to northwest trending soil geochemical anomalies (Anomalies A to J) along with scattered high values that occur outside of the main anomalies.

**Anomaly A** is a 2200 m by 350 m trend of moderately to strongly anomalous gold-in-soil values (up to 371 ppb) that transect a drainage in the southwestern part of the soil grid.

**Anomaly B** is the largest (4000 m by 550 m) gold-in-soil anomaly defined to date on the property. It straddles a ridge system in the centre of the property that has strong gold-in-soil response scattered across its entire length. Two concentrated clusters, found in the northern (Wealth Showing) and southern (Childs Showing) parts of the anomaly have yielded up to 282 ppb and 302 ppb gold, respectively. Most of the historical trenching and drilling has been done within Anomaly B.

**Anomaly C** is a gold-arsenic-antimony anomaly that covers a 1700 by 600 m area. It crosses a northeast trending spine immediately east of Anomaly B, on the same centrally-located ridge system. Samples taken from the ridge top yielded very strong antimony (up to 1780 ppm) and arsenic (up to 429 ppm) values, with strong gold (up to 178 ppb) values found immediately downhill. Elevated molybdenum found along the edges of Anomaly C is most likely in-situ, reflecting a nearby source.

**Anomaly D** lies in the south-central part of the property, directly south of Anomaly C. This 1600 by 900 m gold-in-soil anomaly covers an east-facing slope between the Childs Showing, found on a ridgetop to the west, and the Ball Showing in the valley bottom. The anomaly is made up of scattered moderately to strongly anomalous gold-in-soil values (up to 372 ppb).

**Anomaly E** is an arcuate gold- and arsenic-rich anomaly that encompasses the Happy Showing and surrounding drainages to the north and east. This anomaly hosts the most continuous and coherent string of strongly anomalous gold (up to 149 ppb) and arsenic (up to 809 ppm) values on the property.

**Anomaly F** covers a 1700 by 450 m area in the centre of the property. The anomaly comprises strong gold (up to 119 ppb) across its entire length and a tightly packed grouping of arsenic (up to 110 ppm) and lead (up to 122 ppm) values along its northern-most edge. The northwestern part of this anomaly, which has the most concentrated gold response and lead-arsenic support, covers the Allen Showing.

**Anomaly G** lies along a broad ridge in the eastern part of the property, approximately 750 m southeast of Anomaly F. It covers an 1100 by 600 m area that is defined by strongly anomalous

gold (up to 762 ppb) and lead (up to 394 ppm) values. This anomaly partially overlaps the northwesterly trending air photo linear crossing the property.

**Anomaly H** is a 1400 by 600 m area found 750 m southeast of Anomaly G. It comprises coincident, strongly anomalous copper (up to 493 ppm), nickel (up to 681 ppm), arsenic (up to 307 ppm) and antimony (up to 16 ppm) values. This geochemical signature may represent the surface expression of an unmapped ultramafic body in the footwall of the thrust fault.

**Anomaly I** is located 1000 m southeast of Anomaly H. This anomaly covers a 1000 by 700 m area, and is characterized by a central band of strong copper (up to 736 ppm) and lead (up to 163 ppm) values with an adjacent cluster of elevated antimony (up to 6 ppm) and arsenic (up to 141 ppm) and molybdenum (up to 8 ppm) results. Two isolated gold values (545 and 154 ppb) are found on the outside edges of the anomaly.

**Anomaly J** is a 2700 by 400 m elongated area due north of Anomaly F. It contains a cluster of gold values (up to 137 ppb) north of an arsenic-enriched trend (up to 202 ppm) that includes a single gold value of 166 ppb. This anomaly closely follows the trend of the airphoto linear.

### **DISCUSSION AND CONCLUSIONS**

The Eureka property lies within the Dawson Range Gold Belt, a district containing a number of advanced epithermal and orogenic vein occurrences, including Goldcorp's Coffee deposit and White Gold Corp.'s Whitegold deposit. The property also covers the headwaters of Eureka and Black Hills Creek, two prolific placer-bearing creeks which have produced more than 207,000 ounces of gold combined since 1978 (YGS, 2017). The hard rock sources for the placer gold appear to be on the Eureka property.

Soil sampling in 2017 expanded on previous surveys and to date, 10 soil geochemical anomalies have been defined on the property. These anomalies are: 1) gold-enriched with no direct correlation to typical pathfinder elements; 2) gold-enriched with arsenic±antimony association; or 3) multi-element signatures with only localized gold support.

Drilling and trenching have identified widespread gold-bearing vein and breccia-style mineralization from five main showings on the property. Shallow mineralization displays intense oxidation due to surficial weathering and has likely undergone a strong degree of metal leaching. Drilling on the property indicates that the depth of oxidation extends 100 m or more below surface. The relatively shallow dips of the mineralized shear and breccia zones, coupled with their favourable orientation relative to topography, suggests a target amenable to open pit mining. Preliminary cyanide leach tests have demonstrated good gold recoveries from strongly weathered rock collected on the property.

Additional work on the Eureka property is warranted, and should include, but not be limited to: 1) additional soil sampling to expand the grid coverage; 2) excavator trenching or self-propelled RAB drilling to test areas with strongly anomalous soil geochemistry in order to identify new showings; 3) mapping and prospecting of fresh placer cuts on the property; 4) U-Th-Pb age

dating to constrain mineralization age; and 5) diamond or RC drilling to test known mineralized showings at depth and along strike.

Drilling priority should be given to establishing the general limits of mineralization, as well as identifying higher grade cores within the broad lower grade shells. Depth of oxidation should be established along with the characteristics of unoxidized mineralization. Particular attention should be given to structure and timing of mineralization relative to various deformation events.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in blue ink, appearing to read 'K. Willms', is positioned below the company name.

K. Willms, B.Sc.



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017 Surficial Geology Department, 2017

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

## **STATEMENT OF QUALIFICATIONS**

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

1. I graduated from the University of British Columbia in 2017 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.
3. I have personally supervised the fieldwork reported herein and have interpreted all data resulting from this work



K. Willms, B.Sc.

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

Amended Statement of Expenditures  
347 Eureka Mineral Claims  
January 18, 2018

Labour

D. Eaton (geologist) 8 hours March to November at \$120/hr	\$ 1,008.00
H. Burrell (geologist) 3 hours March to November at \$111/hr	349.65
M. Dumala (P. Geo) 1.5 hours March to November at \$111/hr	174.83
D. Arnold-Wallinger (supervisory) 80 hours March to November at \$85/hr	7,140.00
A. Carne (office) 5 hours March to November at \$81/hr	425.25
J. Morris (geologist) 64 hours March to November at \$66/hr	4,435.20
K. Wilms (geologist) 139 hours March to November at \$62/hr	9,048.90
N. Ganderton (field assistant) 64 hours March to November at \$57/hr	3,830.40
J. Itkin (office) 13 hours March to November at \$96/hr	1,310.40
W. Schneider (expedite) 1 March to November at \$96/hr	100.80
J. Mariacher (office) 17 hours March to November at \$90/hr	1,606.50
C. Beck (expedite and office) 65 hours March to November at \$81/hr	5,528.25
L. Corbett (expedite) 3 hours March to November at \$81/hr	255.15
L. Smith (expedite and office) 21 hours March to November at \$81/hr	1,786.05
S. Newman (office) 38 hours March to November at \$68/hr	2,713.20
V. Cournoyer-Derome (expedite) 4 hours March to November at \$51/hr	<u>214.20</u>
	39,926.78

Expenses (including management)

Field room and board – 28.5 mandays @ \$195/manday	6,279.98
Truck rental and fuel	2,653.41
ALS Chemex	9,554.68
Report preparation est.	<u>5,700.00</u>
	24,188.07

Total \$64,114.85

442 samples at \$64,114.85= \$145.06/sample



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

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**Rock Sample Descriptions**Property: Eurkea

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Sample Number: K293404 UTM: 607208 mE Nad83, Zone 7

Elevation: m UTM: 7044555 mN

Comments: quartz breccia (brecciation is very intense) with a biotite matrix. Very strong limonitic staining and oxidation pervasively throughout. Specular hematite present, but the degree of brecciation may be hiding other minerals

---

Sample Number: K293405 UTM: 607208 mE Nad83, Zone 7

Elevation: m UTM: 7044555 mN

Comments: Pitted and oxidized bull quartz with coarse disseminated pyrite (and remnant pyrite pits), limonite staining, and an unknown black mineral (The bush stole my hand lens today, so I cannot identify).

---

Sample Number: K293406 UTM: 604652 mE Nad83, Zone 7

Elevation: m UTM: 7049470 mN

Comments:

---

**APPENDIX IV**  
**CERTIFICATES OF ANALYSIS**



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**Plus Appendix Pages**  
**Finalized Date: 2- SEP- 2017**  
**Account: FECTRI**

**CERTIFICATE WH17159521**

Project: EUREKA

This report is for 181 Soil samples submitted to our lab in Whitehorse, YT, Canada on 31-JUL-2017.

The following have access to data associated with this certificate:

ANDREW CARNE	MATT DUMALA	JOAN MARIACHER
--------------	-------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

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



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**CERTIFICATE OF ANALYSIS WH17159521**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118001		0.19	0.003	<0.2	1.64	9	<10	170	<0.5	<2	0.25	<0.5	9	29	14	2.79
22118002		0.32	0.014	0.3	1.77	9	<10	220	<0.5	2	0.27	<0.5	10	30	15	2.90
22118003		0.22	0.010	<0.2	1.86	8	<10	190	<0.5	<2	0.26	<0.5	10	32	16	2.95
22118004		0.22	0.006	<0.2	1.58	14	<10	130	<0.5	<2	0.27	<0.5	9	29	14	2.63
22118005		0.22	0.006	0.2	1.56	13	<10	130	<0.5	<2	0.22	<0.5	8	27	12	2.40
22118006		0.26	0.007	0.2	1.73	12	<10	160	<0.5	<2	0.25	<0.5	11	30	14	2.75
22118007		0.25	0.009	0.3	1.75	14	<10	120	<0.5	<2	0.21	<0.5	8	36	12	2.73
22118008		0.13	0.003	0.4	1.58	12	<10	210	<0.5	<2	0.29	<0.5	7	30	19	2.33
22118009		0.27	0.016	0.2	1.70	14	<10	180	<0.5	<2	0.24	<0.5	9	34	20	2.70
22118010		0.19	0.028	0.6	1.74	12	<10	230	0.5	<2	0.24	<0.5	7	32	25	2.59
22118011		0.27	0.007	0.3	1.86	15	<10	330	<0.5	<2	0.28	<0.5	9	32	21	2.79
22118012		0.35	0.005	<0.2	1.73	16	<10	220	<0.5	<2	0.23	<0.5	9	31	19	2.70
22118013		0.26	0.006	<0.2	1.31	14	<10	200	<0.5	<2	0.23	<0.5	8	29	22	2.52
22118014		0.25	0.008	<0.2	1.45	14	<10	150	<0.5	<2	0.22	<0.5	8	28	13	2.53
22118015		0.27	0.170	1.3	0.94	53	<10	270	0.7	<2	0.13	<0.5	19	26	40	3.91
22118016		0.14	0.012	0.3	1.61	24	<10	250	0.5	<2	0.16	<0.5	9	28	29	3.09
22118017		0.25	0.016	0.4	1.38	21	<10	270	<0.5	<2	0.23	<0.5	10	27	26	2.75
22118018		0.19	0.003	0.2	1.69	17	<10	270	<0.5	<2	0.17	<0.5	9	27	16	2.53
22118019		0.16	0.011	0.3	1.31	21	<10	160	<0.5	<2	0.10	<0.5	8	24	19	2.62
22118020		0.23	0.056	0.3	1.25	21	<10	180	<0.5	<2	0.15	<0.5	7	24	23	2.71
22118021		0.37	0.035	0.3	1.23	29	<10	240	<0.5	<2	0.18	<0.5	9	26	27	2.84
22118022		0.30	0.010	0.3	1.68	13	<10	230	0.5	<2	0.22	<0.5	8	35	20	2.75
22118023		0.19	0.018	0.2	1.50	14	<10	200	<0.5	<2	0.22	<0.5	8	34	17	2.44
22118024		0.24	0.010	0.3	1.79	23	<10	290	<0.5	<2	0.30	<0.5	9	41	22	2.86
22118025		0.19	0.008	0.2	1.91	23	<10	240	<0.5	<2	0.26	<0.5	9	39	23	2.93
22118026		0.21	0.019	0.8	2.32	32	<10	390	0.7	<2	0.31	<0.5	8	39	30	3.06
22118027		0.33	0.004	0.2	1.78	13	<10	240	0.5	<2	0.29	<0.5	9	34	17	2.78
22118028		0.33	0.007	0.2	1.77	11	<10	230	<0.5	<2	0.25	<0.5	9	31	18	2.65
22118029		0.30	0.008	0.2	1.65	14	<10	200	<0.5	<2	0.28	<0.5	9	30	19	2.64
22118030		0.16	0.018	0.5	2.26	19	<10	240	0.6	<2	0.37	<0.5	9	38	39	3.14
22118031		0.28	0.018	0.4	2.23	21	<10	180	0.8	<2	0.26	<0.5	11	41	26	3.48
22118032		0.26	0.011	0.3	2.08	28	<10	140	0.6	<2	0.26	<0.5	11	39	18	3.21
22118033		0.11	0.008	0.3	2.01	10	<10	140	0.5	<2	0.25	<0.5	9	36	15	2.68
22118034		0.37	0.017	0.2	2.27	7	<10	190	0.6	<2	0.26	<0.5	11	41	18	3.31
22118035		0.35	0.007	0.2	1.91	9	<10	160	0.5	<2	0.22	<0.5	11	35	19	3.16
22118036		0.21	<0.001	0.3	1.56	8	<10	220	<0.5	<2	0.22	<0.5	8	30	9	2.56
22118037		0.30	0.005	<0.2	2.20	11	<10	230	1.0	<2	0.13	<0.5	13	37	37	4.02
22118038		0.20	0.002	<0.2	1.88	8	<10	160	0.5	<2	0.14	<0.5	8	32	13	2.93
22118039		0.26	0.008	0.3	1.60	9	<10	320	0.5	<2	0.27	<0.5	18	41	42	2.93
22118040		0.29	0.002	0.2	1.74	9	<10	350	<0.5	<2	0.30	<0.5	13	46	42	3.01



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Project: EUREKA

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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118001		<10	<1	0.15	20	0.50	309	1	0.01	19	660	10	0.02	<2	3	17
22118002		10	<1	0.20	30	0.55	265	1	0.01	20	600	11	0.02	<2	4	19
22118003		10	<1	0.21	30	0.58	246	1	0.01	20	590	10	0.02	<2	4	16
22118004		<10	<1	0.13	20	0.50	251	1	0.01	22	620	9	0.02	2	3	17
22118005		10	<1	0.10	20	0.43	272	1	0.01	19	440	11	0.03	<2	3	14
22118006		10	<1	0.13	20	0.51	337	1	0.01	20	500	11	0.02	<2	3	15
22118007		10	<1	0.11	10	0.56	240	1	0.01	21	390	10	0.02	<2	4	13
22118008		10	<1	0.08	20	0.42	156	1	0.02	19	550	12	0.05	<2	3	20
22118009		10	<1	0.13	20	0.54	224	1	0.01	21	460	11	0.02	<2	4	17
22118010		10	<1	0.11	20	0.45	201	1	0.02	23	510	12	0.03	<2	3	20
22118011		10	<1	0.09	20	0.49	240	1	0.02	23	480	12	0.02	2	4	21
22118012		10	<1	0.08	20	0.48	233	1	0.01	22	480	11	0.01	<2	4	18
22118013		<10	<1	0.15	20	0.41	221	1	0.01	26	570	11	0.01	<2	3	16
22118014		10	<1	0.08	10	0.41	242	1	0.01	20	470	11	0.01	<2	3	16
22118015		<10	1	0.17	30	0.13	590	3	0.01	37	1240	20	0.21	<2	4	31
22118016		10	<1	0.10	20	0.35	275	2	0.01	25	590	12	0.02	<2	4	17
22118017		10	<1	0.10	20	0.36	313	1	0.02	25	610	13	0.02	<2	3	21
22118018		10	<1	0.07	20	0.33	371	1	0.01	18	760	11	0.02	<2	2	18
22118019		10	<1	0.07	20	0.28	171	1	0.01	21	470	11	0.02	<2	3	12
22118020		<10	<1	0.10	20	0.28	243	2	0.01	23	650	11	0.02	<2	3	15
22118021		<10	<1	0.09	20	0.31	258	2	0.01	26	660	12	0.03	<2	3	21
22118022		10	<1	0.10	20	0.46	258	1	0.02	26	450	11	0.02	<2	4	17
22118023		<10	<1	0.08	20	0.45	216	1	0.01	26	490	10	0.02	<2	3	17
22118024		10	<1	0.10	20	0.52	264	1	0.01	41	430	10	0.02	<2	4	22
22118025		10	<1	0.11	20	0.52	233	1	0.01	33	420	10	0.02	<2	4	20
22118026		10	<1	0.11	30	0.45	177	1	0.02	27	490	17	0.03	<2	5	27
22118027		10	<1	0.10	20	0.54	246	1	0.02	20	380	11	0.01	<2	4	20
22118028		10	<1	0.11	20	0.52	229	1	0.02	20	430	9	0.02	2	4	17
22118029		10	<1	0.11	20	0.50	256	1	0.02	21	460	10	0.02	<2	4	18
22118030		10	<1	0.19	40	0.48	245	1	0.02	29	560	16	0.05	2	5	23
22118031		10	1	0.46	50	0.71	301	1	0.01	28	420	16	0.03	<2	5	15
22118032		10	1	0.40	30	0.63	337	1	0.02	23	460	9	0.02	<2	5	15
22118033		10	<1	0.30	30	0.55	239	1	0.02	20	450	11	0.03	<2	4	17
22118034		10	<1	0.46	30	0.69	304	1	0.02	23	510	8	0.01	<2	5	17
22118035		10	1	0.35	30	0.59	302	1	0.02	23	540	11	0.02	<2	4	17
22118036		10	<1	0.10	10	0.42	361	1	0.01	17	190	8	0.01	2	3	18
22118037		10	<1	0.66	40	0.84	269	1	0.01	38	140	9	0.01	<2	6	13
22118038		10	<1	0.42	10	0.56	247	<1	0.01	20	160	14	0.01	<2	3	13
22118039		10	<1	0.17	20	0.66	1055	1	0.01	31	540	12	0.01	<2	5	21
22118040		10	1	0.22	20	0.79	359	1	0.01	31	450	12	0.01	<2	5	22



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
	Zn	ppm					2	
22118001		<20	0.11	<10	<10	53	<10	63
22118002		<20	0.12	<10	<10	51	<10	69
22118003		<20	0.13	<10	<10	47	<10	69
22118004		<20	0.10	<10	<10	48	<10	63
22118005		<20	0.10	<10	<10	43	<10	55
22118006		<20	0.11	<10	<10	46	<10	64
22118007		<20	0.11	<10	<10	51	<10	66
22118008		<20	0.08	<10	<10	43	<10	57
22118009		<20	0.10	<10	<10	49	<10	71
22118010		<20	0.09	<10	<10	47	<10	63
22118011		<20	0.09	<10	<10	51	<10	76
22118012		<20	0.09	<10	<10	51	<10	67
22118013		<20	0.09	<10	<10	46	<10	75
22118014		<20	0.08	<10	<10	48	<10	62
22118015		<20	0.02	<10	<10	52	<10	112
22118016		<20	0.06	<10	<10	61	<10	84
22118017		<20	0.06	<10	<10	52	<10	81
22118018		<20	0.04	<10	<10	58	<10	65
22118019		<20	0.06	<10	<10	57	<10	67
22118020		<20	0.06	<10	<10	52	<10	78
22118021		<20	0.05	<10	<10	53	<10	86
22118022		<20	0.09	<10	<10	50	<10	67
22118023		<20	0.08	<10	<10	44	<10	61
22118024		<20	0.09	<10	<10	51	<10	68
22118025		<20	0.10	<10	<10	53	<10	70
22118026		<20	0.08	<10	<10	54	<10	68
22118027		<20	0.11	<10	<10	51	<10	62
22118028		<20	0.10	<10	<10	46	<10	71
22118029		<20	0.11	<10	<10	47	<10	64
22118030		<20	0.09	<10	<10	49	<10	76
22118031		20	0.16	<10	<10	52	<10	85
22118032		<20	0.16	<10	<10	51	<10	70
22118033		<20	0.13	<10	<10	46	<10	65
22118034		<20	0.17	<10	<10	56	<10	75
22118035		<20	0.14	<10	<10	52	<10	75
22118036		<20	0.08	<10	<10	59	<10	43
22118037		<20	0.21	<10	<10	46	<10	62
22118038		<20	0.15	<10	<10	50	<10	58
22118039		<20	0.11	<10	<10	54	<10	72
22118040		<20	0.12	<10	<10	57	<10	71



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Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118041		0.27	0.003	0.3	1.69	7	<10	200	<0.5	<2	0.21	<0.5	11	41	33	2.89
22118042		0.29	0.002	<0.2	1.63	6	<10	180	<0.5	<2	0.21	<0.5	13	50	45	2.69
22118043		0.32	0.002	<0.2	1.76	6	<10	510	<0.5	<2	0.28	<0.5	19	66	85	2.94
22118044		0.37	<0.001	<0.2	3.10	3	<10	1000	<0.5	<2	0.25	<0.5	47	140	219	4.65
22118045		0.39	0.003	<0.2	1.87	7	<10	420	<0.5	<2	0.27	<0.5	17	94	62	2.97
22118046		0.31	0.003	0.2	1.95	10	<10	160	0.5	<2	0.12	<0.5	11	33	35	3.30
22118047		0.29	0.004	<0.2	2.97	6	<10	220	0.8	<2	0.08	<0.5	14	42	66	5.31
22118048		0.29	0.005	0.5	2.79	11	<10	490	0.7	<2	0.13	<0.5	10	61	60	4.00
22118049		0.31	0.007	0.5	1.93	15	<10	220	0.5	<2	0.12	<0.5	9	39	37	3.08
22118050		0.25	0.001	0.4	1.16	22	<10	160	<0.5	<2	0.20	<0.5	11	27	14	2.87
22118051		0.19	0.010	0.7	2.04	18	<10	210	<0.5	<2	0.12	<0.5	10	37	26	3.38
22118052		0.43	0.059	3.0	1.66	25	<10	150	1.1	<2	0.45	0.5	13	32	30	3.99
22118053		0.08	0.032	4.3	1.78	16	<10	320	0.8	<2	1.59	0.7	9	27	28	2.85
22118054		0.26	0.007	0.3	1.43	8	<10	140	<0.5	<2	0.24	<0.5	6	26	11	2.30
22118055		0.19	0.006	0.3	1.06	6	<10	130	<0.5	<2	0.24	<0.5	4	22	12	1.76
22118056		0.19	0.004	0.2	1.15	13	<10	100	<0.5	<2	0.17	<0.5	4	23	10	1.95
22118057		0.12	0.004	0.2	1.05	6	<10	120	<0.5	<2	0.19	<0.5	4	19	8	1.58
22118058		0.24	0.008	0.4	1.50	17	<10	170	<0.5	<2	0.24	<0.5	9	28	14	2.47
22118059		0.36	0.009	0.4	1.33	14	<10	190	<0.5	<2	0.23	<0.5	10	26	15	2.23
22118060		0.21	0.010	0.3	1.51	18	<10	210	<0.5	<2	0.23	<0.5	7	30	20	2.37
22118061		0.31	0.010	0.2	1.41	19	<10	170	<0.5	<2	0.22	<0.5	7	27	16	2.28
22118062		0.23	0.014	0.7	1.48	15	<10	190	<0.5	<2	0.19	<0.5	7	28	20	2.36
22118063		0.43	0.009	0.4	1.51	12	<10	220	<0.5	<2	0.25	<0.5	8	27	18	2.35
22118064		0.22	0.006	0.2	1.48	10	<10	130	<0.5	<2	0.14	<0.5	6	25	14	2.37
22118065		0.35	0.016	0.3	0.92	21	<10	210	0.5	<2	0.28	<0.5	11	24	25	3.08
22118066		0.28	0.003	0.3	1.57	19	<10	250	0.5	<2	0.21	<0.5	8	29	15	3.03
22118067		0.25	0.005	0.4	1.20	15	<10	170	<0.5	<2	0.25	<0.5	7	24	20	2.45
22118068		0.23	0.004	0.8	1.24	25	<10	150	0.5	<2	0.11	<0.5	12	26	24	3.74
22118069		0.34	0.011	0.3	1.48	15	<10	360	0.5	<2	0.54	<0.5	12	31	28	2.71
22118070		0.31	0.008	0.3	1.67	17	<10	390	0.5	<2	0.42	<0.5	10	42	34	2.94
22118071		0.33	0.014	0.2	1.43	16	<10	320	<0.5	<2	0.39	<0.5	8	30	19	2.48
22118072		0.35	0.012	0.3	1.49	16	<10	330	<0.5	<2	0.36	<0.5	9	34	26	2.59
22118073		0.34	0.015	0.4	1.46	21	<10	280	<0.5	<2	0.30	<0.5	7	33	22	2.61
22118074		0.36	0.028	0.9	1.69	28	<10	500	0.8	<2	0.52	0.6	11	35	42	2.88
22118075		0.36	0.024	0.3	1.44	21	<10	330	0.6	<2	0.40	<0.5	9	31	32	2.55
22118076		0.37	0.024	0.4	1.74	21	<10	430	0.8	<2	0.38	<0.5	12	37	36	2.93
22118077		0.30	0.036	0.4	1.29	23	<10	200	0.6	<2	0.21	<0.5	10	30	33	3.09
22118078		0.29	0.010	0.3	1.58	22	<10	290	0.6	<2	0.24	<0.5	12	33	31	3.15
22118079		0.44	0.007	0.2	1.68	18	<10	350	0.6	<2	0.52	<0.5	11	36	35	2.93
22118080		0.32	0.007	<0.2	2.42	18	<10	320	0.8	<2	0.34	<0.5	13	57	32	4.00





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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118041		10	<1	0.40	20	0.78	322	1	0.01	27	590	11	0.03	<2	4	15
22118042		<10	<1	0.27	10	0.83	256	1	0.01	28	430	9	0.01	<2	3	15
22118043		<10	<1	0.51	10	1.28	258	1	0.02	35	420	7	0.02	<2	4	19
22118044		10	1	1.59	10	3.20	308	1	0.02	74	420	5	0.07	<2	4	19
22118045		<10	<1	0.38	20	1.16	269	1	0.02	36	440	8	0.01	<2	5	20
22118046		10	<1	0.17	20	0.66	312	2	0.01	29	520	11	0.03	<2	3	13
22118047		10	<1	1.00	60	1.22	483	2	0.02	35	510	12	0.20	<2	5	17
22118048		10	1	0.33	20	1.25	317	4	0.03	28	480	14	0.23	<2	6	25
22118049		10	<1	0.15	10	0.59	229	2	0.01	27	300	22	0.05	<2	4	15
22118050		10	<1	0.46	20	0.38	1115	1	0.01	20	490	11	0.02	<2	3	13
22118051		10	<1	0.17	10	0.55	357	2	0.01	28	360	29	0.02	<2	3	15
22118052		10	1	0.58	80	0.56	478	1	0.01	31	620	24	0.02	<2	5	18
22118053		10	<1	0.31	120	0.50	462	1	0.02	27	680	18	0.15	<2	4	64
22118054		<10	1	0.09	20	0.40	158	<1	0.02	15	640	10	0.03	<2	3	17
22118055		<10	<1	0.06	20	0.28	109	<1	0.02	12	610	8	0.05	<2	2	18
22118056		<10	1	0.05	10	0.29	93	1	0.01	12	500	9	0.05	<2	2	13
22118057		<10	1	0.05	10	0.27	106	1	0.01	11	400	7	0.04	<2	2	14
22118058		10	1	0.07	20	0.40	283	1	0.01	17	590	12	0.02	2	3	16
22118059		<10	<1	0.06	10	0.36	323	1	0.01	17	650	10	0.04	<2	2	18
22118060		<10	<1	0.06	20	0.39	179	1	0.01	21	550	11	0.03	<2	3	18
22118061		<10	<1	0.05	10	0.39	184	1	0.01	19	540	9	0.02	2	3	16
22118062		<10	<1	0.07	20	0.33	172	1	0.01	19	650	13	0.04	<2	2	17
22118063		<10	<1	0.06	20	0.38	221	1	0.01	19	590	15	0.02	<2	3	19
22118064		10	<1	0.08	10	0.32	156	1	0.01	16	360	12	0.01	<2	2	12
22118065		<10	<1	0.21	20	0.33	432	2	0.01	30	860	14	0.04	<2	3	17
22118066		10	1	0.09	20	0.32	299	2	0.01	21	1370	11	0.02	<2	3	17
22118067		<10	<1	0.10	20	0.29	325	2	0.01	23	830	13	0.03	<2	1	21
22118068		<10	<1	0.09	20	0.27	413	2	0.01	31	810	12	0.02	<2	2	13
22118069		<10	<1	0.11	20	0.48	413	1	0.02	30	650	12	0.04	<2	4	34
22118070		<10	<1	0.09	20	0.55	301	1	0.02	34	510	11	0.02	<2	5	30
22118071		<10	<1	0.09	10	0.43	451	1	0.02	21	530	9	0.02	<2	3	27
22118072		<10	<1	0.09	20	0.46	262	1	0.02	24	490	10	0.02	<2	5	25
22118073		<10	<1	0.09	20	0.44	261	2	0.01	25	480	9	0.02	<2	3	22
22118074		<10	<1	0.12	30	0.39	1220	2	0.01	36	720	14	0.04	<2	5	38
22118075		<10	<1	0.08	20	0.43	425	1	0.01	28	420	10	0.02	<2	5	26
22118076		10	1	0.09	30	0.46	652	2	0.02	33	430	12	0.02	<2	5	28
22118077		<10	<1	0.19	30	0.37	309	2	0.01	30	450	15	0.02	<2	4	17
22118078		<10	<1	0.12	20	0.42	470	2	0.02	32	350	13	0.02	<2	4	20
22118079		<10	<1	0.12	20	0.60	461	1	0.02	33	350	10	0.02	<2	6	31
22118080		10	<1	0.60	30	1.03	599	1	0.02	29	200	14	0.01	<2	10	17



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Sample Description	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
	20	0.01	10	10	1	10	2
22118041	<20	0.13	<10	<10	54	<10	66
22118042	<20	0.12	<10	<10	54	<10	62
22118043	<20	0.15	<10	<10	77	<10	53
22118044	<20	0.31	<10	<10	144	<10	52
22118045	<20	0.12	<10	<10	74	<10	50
22118046	<20	0.10	<10	<10	64	<10	67
22118047	20	0.20	<10	<10	59	<10	109
22118048	<20	0.17	<10	<10	115	<10	109
22118049	<20	0.10	<10	<10	64	<10	73
22118050	<20	0.13	<10	<10	40	<10	66
22118051	<20	0.09	<10	<10	59	<10	73
22118052	20	0.12	<10	<10	36	<10	78
22118053	<20	0.08	<10	<10	34	<10	59
22118054	<20	0.08	<10	<10	46	<10	57
22118055	<20	0.06	<10	<10	28	<10	38
22118056	<20	0.05	<10	<10	34	<10	41
22118057	<20	0.05	<10	<10	28	<10	40
22118058	<20	0.07	<10	<10	50	<10	63
22118059	<20	0.06	<10	<10	46	<10	59
22118060	<20	0.06	<10	<10	45	<10	63
22118061	<20	0.07	<10	<10	45	<10	63
22118062	<20	0.06	<10	<10	45	<10	60
22118063	<20	0.07	<10	<10	47	<10	61
22118064	<20	0.08	<10	<10	55	<10	50
22118065	<20	0.07	<10	<10	45	<10	110
22118066	<20	0.05	<10	<10	67	<10	80
22118067	<20	0.05	<10	<10	53	<10	81
22118068	<20	0.06	<10	<10	53	<10	119
22118069	<20	0.08	<10	<10	49	<10	73
22118070	<20	0.09	<10	<10	56	<10	68
22118071	<20	0.08	<10	<10	49	<10	61
22118072	<20	0.08	<10	<10	51	<10	58
22118073	<20	0.08	<10	<10	52	<10	61
22118074	<20	0.07	<10	<10	56	<10	86
22118075	<20	0.07	<10	<10	48	<10	68
22118076	<20	0.07	<10	<10	55	<10	74
22118077	<20	0.09	<10	<10	53	<10	79
22118078	<20	0.07	<10	<10	62	<10	79
22118079	<20	0.09	<10	<10	60	<10	65
22118080	<20	0.18	<10	<10	65	<10	89



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118082		0.30	0.002	0.3	1.82	13	<10	230	0.5	<2	0.31	<0.5	9	41	15	3.10
22118083		0.43	0.005	0.4	2.19	12	<10	260	0.6	<2	0.47	<0.5	11	43	22	3.19
22118084		0.36	0.014	0.2	2.16	37	<10	210	0.8	<2	0.27	<0.5	12	43	43	3.69
22118085		0.31	0.004	0.2	2.42	8	<10	150	0.8	<2	0.07	<0.5	13	37	26	4.22
22118086		0.32	0.001	0.3	2.31	17	<10	220	0.5	<2	0.13	<0.5	11	38	19	3.56
22118087		0.36	0.004	<0.2	2.45	19	<10	180	0.8	<2	0.11	<0.5	14	38	23	3.86
22118088		0.37	0.007	0.2	1.43	15	<10	360	<0.5	<2	0.37	<0.5	12	41	26	2.64
22118089		0.32	0.006	0.2	1.54	13	<10	340	0.5	<2	0.41	<0.5	9	43	27	2.65
22118090		0.40	0.008	<0.2	1.35	15	<10	320	<0.5	2	0.42	<0.5	9	36	25	2.59
22118091		0.38	0.008	<0.2	1.51	17	<10	350	0.5	<2	0.37	<0.5	10	35	24	2.74
22118092		0.30	0.018	0.3	1.42	29	<10	400	0.5	<2	0.34	<0.5	9	39	24	2.55
22118093		0.33	0.031	0.5	2.20	30	<10	480	0.7	<2	0.41	<0.5	12	68	37	3.16
22118094		0.22	0.010	0.4	1.53	23	<10	420	0.5	<2	0.32	<0.5	11	29	24	2.72
22118095		0.28	0.004	0.6	0.83	18	<10	460	<0.5	<2	0.27	<0.5	5	22	24	2.36
22118096		0.25	0.005	0.2	1.24	12	<10	220	<0.5	<2	0.23	<0.5	7	26	16	2.32
22118097		0.32	0.020	0.5	1.26	30	<10	210	0.5	<2	0.20	<0.5	9	30	23	2.92
22118098		0.38	0.004	0.4	0.94	18	<10	170	0.9	<2	0.15	<0.5	10	28	29	3.68
22118099		0.28	0.011	0.4	1.73	19	<10	210	0.9	<2	0.11	<0.5	12	31	26	3.72
22118100		0.37	<0.001	0.7	1.24	9	<10	170	<0.5	<2	0.22	<0.5	7	24	9	2.28
22118101		0.11	0.005	0.3	2.28	15	<10	310	0.6	<2	0.30	<0.5	12	53	23	3.34
22118102		0.18	0.011	<0.2	3.20	38	<10	210	1.0	<2	0.18	<0.5	20	48	35	5.26
22118103		0.14	0.007	0.2	2.01	18	<10	220	0.9	<2	0.19	<0.5	11	37	25	3.51
22118104		0.17	0.010	0.2	1.40	13	<10	200	0.6	<2	0.22	<0.5	9	30	31	2.60
22118105		0.19	0.009	<0.2	2.03	21	<10	230	0.8	<2	0.35	<0.5	10	52	27	3.53
22118106		0.14	0.010	0.4	1.66	16	<10	200	<0.5	<2	0.16	<0.5	9	30	18	2.61
22118107		0.08	0.040	0.7	0.77	77	<10	210	<0.5	<2	0.24	<0.5	10	19	21	2.82
22118108		0.13	0.005	0.4	1.73	18	<10	290	0.5	<2	0.30	<0.5	10	34	24	2.85
22118109		0.14	0.007	0.2	1.78	19	<10	250	0.6	<2	0.32	<0.5	10	35	21	2.89
22118110		0.17	0.010	0.3	1.60	17	<10	240	0.7	<2	0.41	<0.5	8	24	29	2.99
22118111		0.14	0.011	<0.2	1.95	12	<10	290	0.7	<2	0.36	<0.5	8	19	28	2.91
22118112		0.16	0.014	0.6	1.08	18	<10	180	0.6	<2	0.21	<0.5	7	18	28	3.20
22118113		0.16	0.019	0.3	1.66	20	<10	310	0.6	<2	0.35	<0.5	10	33	32	3.06
22118114		0.13	0.031	1.0	1.06	19	<10	270	0.8	<2	0.35	0.9	11	29	55	3.53
22118115		0.13	0.011	0.3	1.31	21	<10	260	0.6	<2	0.31	<0.5	10	30	29	3.25
22118116		0.19	0.011	0.3	0.93	18	<10	210	0.5	<2	0.35	<0.5	10	24	24	2.81
22118117		0.10	0.064	0.9	1.14	40	<10	170	0.7	<2	0.14	<0.5	19	26	34	3.82
22118118		0.09	0.012	0.8	1.54	26	<10	280	0.5	<2	0.21	<0.5	12	30	28	3.42
22118119		0.14	0.012	0.4	1.43	17	<10	330	<0.5	<2	0.39	<0.5	10	36	24	2.65
22118120		0.15	0.020	0.4	1.37	22	<10	300	0.5	<2	0.31	<0.5	8	34	26	2.53
22118121		0.11	0.022	0.4	1.49	24	<10	350	0.5	<2	0.41	<0.5	12	49	28	2.90



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118082		10	<1	0.53	10	0.63	421	1	0.02	23	210	12	0.02	<2	4	17
22118083		10	<1	0.20	30	0.66	433	1	0.03	29	250	9	0.02	<2	6	27
22118084		10	<1	0.36	30	0.78	251	1	0.01	37	330	53	0.02	<2	6	18
22118085		10	<1	0.91	30	0.90	348	<1	0.01	32	140	10	0.01	<2	4	7
22118086		10	<1	0.23	10	0.62	247	1	0.01	27	180	10	0.01	2	4	13
22118087		10	1	0.54	20	0.75	316	1	0.01	29	130	14	0.01	<2	5	12
22118088		<10	<1	0.11	20	0.49	396	1	0.02	31	430	11	0.01	2	5	23
22118089		<10	<1	0.12	20	0.53	290	1	0.02	30	440	9	0.02	<2	5	25
22118090		<10	<1	0.08	20	0.49	296	1	0.02	27	570	9	0.01	<2	4	27
22118091		<10	<1	0.12	20	0.52	400	1	0.02	28	460	9	0.01	<2	4	24
22118092		<10	<1	0.12	20	0.50	473	1	0.02	31	520	9	0.02	<2	4	22
22118093		10	1	0.28	20	0.96	481	2	0.02	50	530	10	0.03	<2	7	26
22118094		10	1	0.12	20	0.41	660	2	0.01	24	580	11	0.03	<2	3	28
22118095		<10	1	0.13	20	0.18	559	3	0.01	17	730	12	0.11	<2	2	28
22118096		<10	<1	0.06	10	0.42	199	1	0.01	19	210	10	0.01	<2	3	17
22118097		<10	1	0.19	20	0.46	384	1	0.01	26	420	11	0.02	<2	4	17
22118098		<10	1	0.25	30	0.25	366	2	0.01	28	260	17	0.01	2	4	10
22118099		<10	<1	0.19	30	0.37	617	2	0.01	33	290	22	0.02	<2	4	13
22118100		<10	1	0.07	10	0.36	381	1	0.01	15	240	8	0.01	<2	2	16
22118101		10	<1	0.36	30	0.72	389	1	0.02	29	610	11	0.03	<2	5	21
22118102		10	1	1.32	60	1.17	486	1	0.02	42	400	18	0.01	<2	7	11
22118103		10	1	0.33	20	0.56	388	1	0.01	29	220	12	0.01	<2	4	17
22118104		<10	1	0.14	30	0.51	230	<1	0.01	25	190	14	0.01	2	5	17
22118105		10	<1	0.47	40	0.91	303	1	0.02	24	390	19	0.02	<2	6	20
22118106		<10	1	0.06	10	0.34	234	1	0.01	21	260	10	0.02	<2	3	14
22118107		<10	<1	0.10	20	0.10	537	2	0.01	23	410	15	0.08	2	2	23
22118108		10	<1	0.08	10	0.49	242	2	0.02	30	360	10	0.02	2	4	23
22118109		<10	<1	0.09	20	0.52	272	1	0.02	28	260	10	0.01	<2	5	22
22118110		<10	<1	0.14	20	0.62	323	1	0.02	26	340	12	0.05	<2	4	25
22118111		<10	1	0.49	20	0.98	467	1	0.02	21	410	12	0.02	<2	4	21
22118112		<10	<1	0.16	20	0.39	379	5	0.01	25	310	19	0.04	<2	5	18
22118113		<10	<1	0.13	20	0.50	416	1	0.01	29	410	11	0.01	<2	6	24
22118114		<10	1	0.20	30	0.32	512	3	0.01	48	790	30	0.03	<2	5	24
22118115		<10	<1	0.15	20	0.39	413	2	0.01	30	800	15	0.02	<2	4	22
22118116		<10	<1	0.16	20	0.35	377	1	0.02	27	820	12	0.04	2	3	19
22118117		<10	1	0.11	20	0.26	768	2	0.01	32	970	14	0.03	<2	3	15
22118118		<10	1	0.13	30	0.34	340	2	0.01	33	930	13	0.04	<2	4	22
22118119		<10	1	0.09	10	0.48	364	1	0.02	32	480	11	0.02	<2	4	26
22118120		<10	1	0.06	20	0.40	282	2	0.02	40	370	12	0.02	<2	4	22
22118121		<10	1	0.24	20	0.58	445	2	0.01	42	770	12	0.02	<2	5	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
22118082		<20	0.16	<10	<10	58	<10	70
22118083		<20	0.13	<10	<10	65	<10	70
22118084		<20	0.13	<10	<10	62	<10	131
22118085		<20	0.26	<10	<10	40	<10	63
22118086		<20	0.13	<10	<10	65	<10	53
22118087		<20	0.17	<10	<10	52	<10	69
22118088		<20	0.09	<10	<10	50	<10	62
22118089		<20	0.10	<10	<10	52	<10	63
22118090		<20	0.09	<10	<10	51	<10	62
22118091		<20	0.09	<10	<10	52	<10	65
22118092		<20	0.09	<10	<10	50	<10	66
22118093		<20	0.13	<10	<10	64	<10	71
22118094		<20	0.07	<10	<10	59	<10	63
22118095		<20	0.04	<10	<10	42	<10	52
22118096		<20	0.07	<10	<10	50	<10	55
22118097		<20	0.08	<10	<10	47	<10	66
22118098		<20	0.05	<10	<10	47	<10	108
22118099		<20	0.07	<10	<10	54	<10	62
22118100		<20	0.06	<10	<10	55	<10	66
22118101		<20	0.12	<10	<10	58	<10	69
22118102		30	0.29	<10	<10	49	<10	112
22118103		<20	0.10	<10	<10	51	<10	77
22118104		<20	0.09	<10	<10	46	<10	65
22118105		<20	0.13	<10	<10	45	<10	83
22118106		<20	0.04	<10	<10	60	<10	58
22118107		<20	0.03	<10	<10	50	<10	74
22118108		<20	0.05	<10	<10	59	<10	65
22118109		<20	0.07	<10	<10	59	<10	58
22118110		<20	0.07	<10	<10	42	<10	74
22118111		<20	0.12	<10	<10	33	<10	82
22118112		<20	0.05	<10	<10	30	<10	97
22118113		<20	0.08	<10	<10	53	<10	77
22118114		<20	0.06	<10	<10	56	<10	148
22118115		<20	0.06	<10	<10	58	<10	99
22118116		<20	0.07	<10	<10	42	<10	100
22118117		<20	0.05	<10	<10	54	<10	130
22118118		<20	0.06	<10	<10	58	<10	112
22118119		<20	0.08	<10	<10	51	<10	66
22118120		<20	0.09	<10	<10	52	<10	60
22118121		<20	0.09	<10	<10	58	<10	74



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118122		0.12	0.019	0.4	1.57	21	<10	400	0.6	<2	0.38	<0.5	10	40	34	2.94
22118123		0.10	0.009	0.5	1.55	16	<10	420	0.5	<2	0.40	0.6	11	38	35	2.83
22118124		0.14	0.008	0.2	1.51	18	<10	410	0.5	<2	0.36	<0.5	9	34	30	2.84
22118125		0.17	0.010	0.3	1.75	19	<10	450	0.5	<2	0.35	<0.5	11	52	32	3.03
22118126		0.17	0.032	0.4	1.28	45	<10	230	<0.5	<2	0.22	<0.5	8	28	23	2.60
22118127		0.15	0.055	0.4	1.53	52	<10	230	0.5	<2	0.22	<0.5	10	34	26	3.00
22118128		0.16	0.051	0.4	1.48	42	<10	210	0.8	<2	0.25	<0.5	11	33	35	3.26
22118129		0.16	0.022	0.4	1.90	16	<10	160	0.9	<2	0.21	<0.5	12	42	49	3.86
22118130		0.12	0.003	0.2	1.86	43	<10	250	0.6	<2	0.27	<0.5	11	38	27	3.10
22118131		0.14	0.010	0.6	2.34	23	<10	160	0.9	<2	0.27	<0.5	11	53	27	3.50
22118132		0.14	0.006	<0.2	2.45	40	<10	210	0.7	<2	0.21	<0.5	12	55	26	3.87
22118133		0.19	0.002	0.2	2.38	13	<10	170	0.7	<2	0.10	<0.5	13	41	18	3.79
22118134		0.16	0.006	<0.2	1.33	12	<10	270	0.5	<2	0.24	<0.5	9	29	26	2.57
22118135		0.19	0.006	0.2	1.66	16	<10	330	<0.5	<2	0.24	<0.5	12	38	28	3.08
22118136		0.26	0.013	0.2	1.38	11	<10	270	<0.5	<2	0.28	<0.5	9	32	23	2.57
22118137		0.16	0.011	0.2	1.76	16	<10	380	0.5	<2	0.34	<0.5	10	72	26	3.10
22118138		0.19	0.009	0.3	2.52	16	<10	770	0.7	<2	0.46	<0.5	21	157	52	4.37
22118139		0.20	0.010	0.2	2.50	22	<10	570	0.7	<2	0.50	<0.5	19	109	36	3.80
22118140		0.19	0.013	0.2	1.45	25	<10	340	0.5	<2	0.32	<0.5	9	36	32	2.80
22118141		0.18	0.017	0.3	1.50	30	<10	340	0.6	<2	0.28	<0.5	8	45	25	2.69
22118142		0.19	0.005	0.7	1.42	17	<10	240	<0.5	<2	0.22	<0.5	8	32	16	2.78
22118143		0.22	0.018	0.8	1.13	39	<10	150	0.5	<2	0.12	<0.5	8	27	22	2.93
22118144		0.13	0.005	1.0	1.65	12	<10	220	0.5	<2	0.21	<0.5	10	30	13	2.81
22118145		0.20	0.005	0.3	2.90	11	<10	250	0.8	<2	0.22	<0.5	10	53	16	4.16
22118146		0.13	0.002	0.7	2.10	9	<10	170	0.9	2	0.13	<0.5	11	36	18	3.92
22118147		0.18	0.004	0.2	1.70	11	<10	210	<0.5	<2	0.16	<0.5	7	32	12	2.51
22118148		0.16	0.007	0.2	1.60	13	<10	190	0.5	2	0.23	<0.5	9	32	22	2.71
22118149		0.14	0.007	0.3	2.20	12	<10	160	0.7	<2	0.12	<0.5	10	36	19	3.42
22118150		0.18	0.003	<0.2	2.48	9	<10	150	0.7	3	0.13	<0.5	12	40	19	3.82
22118151		0.32	0.001	0.2	1.60	13	<10	230	<0.5	<2	0.22	<0.5	9	30	19	2.71
22118152		0.36	0.003	<0.2	2.04	15	<10	210	0.6	<2	0.25	<0.5	10	39	22	3.18
22118153		0.36	0.004	<0.2	2.03	12	<10	180	0.8	<2	0.15	<0.5	13	37	25	4.18
22118154		0.34	0.001	0.2	2.30	10	<10	180	0.8	<2	0.12	<0.5	11	40	22	3.71
22118155		0.40	0.005	<0.2	2.57	7	<10	170	1.2	3	0.05	<0.5	11	37	33	4.72
22118156		0.36	0.002	<0.2	2.74	9	<10	160	0.9	2	0.08	<0.5	12	39	30	4.42
22118157		0.41	0.008	<0.2	2.47	6	<10	150	1.5	<2	0.14	<0.5	12	44	25	4.50
22118158		0.28	0.004	0.3	2.44	33	<10	150	0.9	<2	0.10	<0.5	11	35	18	4.06
22118159		0.28	0.004	0.3	1.49	14	<10	130	0.9	2	0.18	<0.5	10	34	17	3.64
22118160		0.31	0.003	0.2	2.50	18	<10	200	0.7	<2	0.11	<0.5	12	37	24	4.45
22118161		0.31	0.001	0.7	1.46	7	<10	150	<0.5	<2	0.16	<0.5	11	26	8	2.54



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
22118122		<10	1	0.08	20	0.51	324	1	0.01	33	510	11	0.02	2	6	24
22118123		<10	<1	0.13	20	0.49	599	1	0.02	34	590	12	0.02	2	5	27
22118124		<10	1	0.09	20	0.45	377	2	0.01	27	540	12	0.02	2	4	28
22118125		10	<1	0.19	20	0.65	271	1	0.02	38	470	9	0.02	<2	6	23
22118126		<10	1	0.13	20	0.37	266	2	0.01	21	300	12	0.04	<2	3	17
22118127		<10	<1	0.11	20	0.43	317	1	0.01	30	250	12	0.02	<2	4	17
22118128		<10	1	0.13	30	0.42	248	1	0.01	33	290	13	0.02	<2	5	19
22118129		<10	<1	0.32	20	0.63	242	1	0.01	43	230	15	0.01	<2	5	15
22118130		10	1	0.12	20	0.55	317	1	0.02	29	120	11	0.01	2	7	21
22118131		10	<1	0.18	50	0.75	400	<1	0.02	31	150	21	0.01	<2	7	18
22118132		10	<1	0.57	30	0.91	302	1	0.01	36	300	16	0.01	<2	5	14
22118133		10	<1	0.53	10	0.73	375	1	0.01	27	150	12	0.01	<2	5	11
22118134		<10	<1	0.12	20	0.41	285	1	0.01	26	380	12	0.03	2	4	20
22118135		<10	<1	0.18	10	0.50	330	1	0.01	34	330	14	0.03	<2	4	21
22118136		<10	1	0.16	20	0.44	381	1	0.01	26	360	11	0.03	<2	4	20
22118137		10	1	0.29	20	0.88	338	1	0.02	48	360	10	0.07	<2	6	24
22118138		10	<1	1.02	20	1.64	549	1	0.02	129	770	11	0.14	<2	9	25
22118139		10	1	0.41	20	1.31	406	1	0.02	93	710	11	0.03	<2	8	25
22118140		<10	<1	0.14	20	0.53	334	1	0.02	31	340	12	0.01	<2	5	23
22118141		<10	<1	0.12	20	0.52	423	1	0.01	30	290	13	0.01	<2	4	20
22118142		<10	<1	0.12	10	0.43	248	1	0.01	20	340	10	<0.01	<2	3	16
22118143		<10	<1	0.08	20	0.29	314	2	0.01	24	460	23	<0.01	<2	3	10
22118144		10	<1	0.09	10	0.42	438	1	0.01	20	220	12	<0.01	<2	3	19
22118145		10	<1	0.84	10	0.88	417	1	0.02	27	250	8	<0.01	<2	7	21
22118146		10	<1	0.53	20	0.67	335	1	0.01	27	500	16	<0.01	<2	4	12
22118147		10	<1	0.06	10	0.48	255	1	0.01	18	130	10	<0.01	<2	3	15
22118148		<10	<1	0.21	30	0.57	255	1	0.01	22	300	10	<0.01	<2	5	18
22118149		10	<1	0.36	30	0.64	275	1	0.01	25	140	15	<0.01	2	4	13
22118150		10	<1	0.69	20	0.84	360	<1	0.01	30	160	9	<0.01	<2	4	13
22118151		<10	<1	0.10	10	0.54	322	1	0.01	22	220	10	<0.01	<2	3	18
22118152		10	<1	0.21	20	0.64	289	1	0.02	28	190	12	<0.01	<2	5	20
22118153		10	<1	0.81	50	0.76	364	1	0.01	34	270	10	<0.01	2	5	12
22118154		10	<1	0.59	20	0.76	318	1	0.01	30	130	12	<0.01	<2	4	13
22118155		10	1	1.02	70	0.84	302	<1	0.01	27	160	12	0.03	2	5	10
22118156		10	<1	0.47	20	0.78	355	1	0.01	32	210	15	<0.01	<2	4	9
22118157		10	<1	0.78	50	0.76	377	<1	0.01	34	230	14	<0.01	<2	7	13
22118158		10	<1	0.72	10	0.73	336	1	0.01	25	170	16	<0.01	<2	4	10
22118159		10	<1	0.37	30	0.44	317	1	0.01	20	380	10	<0.01	<2	5	11
22118160		10	<1	0.85	20	0.88	352	1	0.01	30	410	10	<0.01	<2	4	10
22118161		10	<1	0.11	10	0.36	433	1	0.01	16	340	7	<0.01	<2	2	14



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
22118122		<20	0.08	<10	<10	59	<10	68
22118123		<20	0.08	<10	<10	54	<10	72
22118124		<20	0.07	<10	<10	51	<10	67
22118125		<20	0.11	<10	<10	60	<10	65
22118126		<20	0.06	<10	<10	48	<10	63
22118127		<20	0.06	<10	<10	55	<10	85
22118128		<20	0.06	<10	<10	52	<10	73
22118129		<20	0.12	<10	<10	69	<10	104
22118130		<20	0.10	<10	<10	63	<10	58
22118131		20	0.11	<10	<10	66	<10	548
22118132		<20	0.18	<10	<10	53	<10	92
22118133		<20	0.17	<10	<10	57	<10	65
22118134		<20	0.09	<10	<10	46	<10	76
22118135		<20	0.11	<10	<10	53	<10	96
22118136		<20	0.10	<10	<10	49	<10	69
22118137		<20	0.12	<10	<10	50	<10	79
22118138		<20	0.21	<10	<10	83	<10	131
22118139		<20	0.18	<10	<10	82	<10	100
22118140		<20	0.09	<10	<10	49	<10	62
22118141		<20	0.07	<10	<10	48	<10	60
22118142		<20	0.07	<10	<10	51	<10	53
22118143		<20	0.04	<10	<10	49	<10	79
22118144		<20	0.07	<10	<10	60	<10	40
22118145		<20	0.17	<10	<10	65	<10	60
22118146		<20	0.18	<10	<10	56	<10	56
22118147		<20	0.07	<10	<10	57	<10	44
22118148		<20	0.12	<10	<10	46	<10	46
22118149		<20	0.14	<10	<10	51	<10	55
22118150		<20	0.21	<10	<10	50	<10	61
22118151		<20	0.08	<10	<10	51	<10	51
22118152		<20	0.11	<10	<10	57	<10	61
22118153		<20	0.22	<10	<10	42	<10	59
22118154		<20	0.19	<10	<10	50	<10	59
22118155		20	0.28	<10	<10	41	<10	61
22118156		<20	0.15	<10	<10	54	<10	75
22118157		20	0.23	<10	<10	50	<10	67
22118158		<20	0.19	<10	<10	49	<10	61
22118159		<20	0.10	<10	<10	45	<10	56
22118160		<20	0.25	<10	<10	49	<10	60
22118161		<20	0.09	<10	<10	55	<10	40





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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118162		0.34	0.009	0.6	1.42	20	<10	180	0.9	2	0.24	<0.5	11	31	20	3.72
22118163		0.28	0.006	0.9	1.48	10	<10	290	<0.5	<2	0.44	<0.5	9	32	19	2.84
22118164		0.36	0.004	0.5	1.51	10	<10	220	<0.5	<2	0.19	<0.5	8	29	15	2.63
22118165		0.27	0.015	0.7	1.42	17	<10	250	<0.5	<2	0.19	<0.5	8	25	19	2.61
22118166		0.31	0.005	0.7	1.55	19	<10	320	<0.5	<2	0.15	<0.5	9	28	21	3.04
22118167		0.32	0.005	0.5	1.69	15	<10	370	0.5	<2	0.16	<0.5	12	32	27	3.15
22118168		0.38	0.004	0.5	1.42	14	<10	260	<0.5	<2	0.17	<0.5	7	41	20	2.72
22118169		0.40	0.006	0.3	1.36	12	<10	300	0.5	<2	0.18	<0.5	9	34	23	2.71
22118170		0.33	0.004	0.2	1.40	12	<10	340	0.5	<2	0.21	<0.5	8	29	20	2.53
22118171		0.43	0.040	0.4	1.08	15	<10	200	<0.5	2	0.11	<0.5	6	26	23	2.53
22118172		0.26	0.011	0.3	1.12	12	<10	180	<0.5	<2	0.15	<0.5	6	26	17	2.35
22118173		0.38	0.007	0.2	1.35	13	<10	260	0.5	<2	0.17	<0.5	8	31	25	2.62
22118174		0.24	0.002	0.3	1.77	13	<10	220	<0.5	<2	0.21	<0.5	12	39	32	3.00
22118175		0.33	0.001	0.2	1.81	11	<10	270	<0.5	<2	0.16	<0.5	18	40	36	3.26
22118176		0.36	0.004	0.3	2.02	11	<10	230	0.5	<2	0.19	<0.5	13	47	47	3.41
22118177		0.36	0.006	0.6	2.14	34	<10	270	0.5	<2	0.12	<0.5	14	54	49	3.85
22118178		0.39	0.003	0.2	1.49	7	<10	400	<0.5	2	0.24	<0.5	19	49	68	2.94
22118179		0.29	0.004	<0.2	3.31	4	<10	1700	<0.5	<2	0.40	<0.5	94	130	256	4.60
22118180		0.40	0.002	0.2	2.60	8	<10	620	<0.5	<2	0.24	<0.5	35	84	111	4.46
22118181		0.36	0.001	<0.2	2.91	4	<10	680	<0.5	2	0.98	<0.5	29	92	76	5.39
22118182		0.20	0.002	0.2	1.75	10	<10	210	<0.5	<2	0.19	<0.5	11	31	33	3.03



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		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
22118162		10	<1	0.33	20	0.41	724	2	0.01	25	510	13	<0.01	<2	4	14
22118163		10	<1	0.24	10	0.54	412	1	0.02	19	330	9	<0.01	<2	6	21
22118164		<10	<1	0.13	10	0.53	293	1	0.01	17	340	10	<0.01	<2	4	14
22118165		<10	<1	0.16	10	0.45	288	1	0.01	20	340	12	<0.01	<2	4	15
22118166		10	<1	0.16	20	0.49	313	1	0.01	21	380	30	0.01	<2	4	13
22118167		10	<1	0.18	20	0.53	440	1	0.01	22	430	17	0.06	<2	4	16
22118168		<10	<1	0.13	10	0.49	217	1	0.01	27	370	14	0.06	<2	3	17
22118169		<10	<1	0.18	20	0.51	294	1	0.02	25	400	12	0.03	2	4	17
22118170		<10	<1	0.08	20	0.42	341	1	0.01	20	260	12	0.01	<2	4	18
22118171		<10	<1	0.14	20	0.30	167	2	0.01	22	340	16	0.04	<2	3	13
22118172		<10	<1	0.11	10	0.32	174	1	0.01	20	280	12	0.01	<2	2	14
22118173		<10	<1	0.11	20	0.37	243	1	0.01	24	300	13	0.01	<2	4	16
22118174		10	<1	0.17	10	0.80	418	2	0.01	25	540	10	<0.01	<2	3	17
22118175		10	<1	0.27	20	0.85	476	3	0.02	22	720	14	0.10	<2	4	21
22118176		10	<1	0.43	20	1.01	374	1	0.01	36	410	11	0.01	2	4	15
22118177		10	<1	0.30	20	0.98	437	3	0.01	31	370	22	0.03	2	5	14
22118178		<10	<1	0.26	10	1.02	325	1	0.02	28	250	7	0.01	<2	5	18
22118179		10	<1	2.14	<10	4.35	545	<1	0.02	90	190	2	0.01	<2	5	17
22118180		10	<1	1.06	10	2.23	317	<1	0.02	48	420	6	0.02	<2	6	17
22118181		10	1	1.58	10	2.59	527	1	0.03	41	3830	3	0.01	<2	10	31
22118182		10	<1	0.24	30	0.62	381	2	0.01	29	460	11	0.01	<2	3	20



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<b>CERTIFICATE OF ANALYSIS WH17159521</b>
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Sample Description	Method Analyte Units LOR	ME- ICP41 Th ppm	ME- ICP41 Ti %	ME- ICP41 Tl ppm	ME- ICP41 U ppm	ME- ICP41 V ppm	ME- ICP41 W ppm	ME- ICP41 Zn ppm
		20	0.01	10	10	1	10	2
22118162		<20	0.08	<10	<10	49	<10	57
22118163		<20	0.11	<10	<10	49	<10	55
22118164		<20	0.10	<10	<10	51	<10	47
22118165		<20	0.09	<10	<10	49	<10	56
22118166		<20	0.09	<10	<10	55	<10	106
22118167		<20	0.08	<10	<10	53	<10	74
22118168		<20	0.08	<10	<10	50	<10	60
22118169		<20	0.09	<10	<10	44	<10	70
22118170		<20	0.07	<10	<10	46	<10	56
22118171		<20	0.06	<10	<10	43	<10	65
22118172		<20	0.07	<10	<10	42	<10	55
22118173		<20	0.08	<10	<10	45	<10	63
22118174		<20	0.11	<10	<10	64	<10	63
22118175		<20	0.11	<10	<10	72	<10	58
22118176		<20	0.15	<10	<10	61	<10	70
22118177		<20	0.11	<10	<10	66	<10	78
22118178		<20	0.14	<10	<10	83	<10	47
22118179		<20	0.35	<10	<10	180	<10	34
22118180		<20	0.24	<10	<10	144	<10	55
22118181		<20	0.29	<10	<10	194	<10	70
22118182		<20	0.11	<10	<10	53	<10	60



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**CERTIFICATE OF ANALYSIS WH17159521**

**CERTIFICATE COMMENTS**

**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- ICP41



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**CERTIFICATE WH17159535**

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This report is for 262 Soil samples submitted to our lab in Whitehorse, YT, Canada on 31-JUL- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE	MATT DUMALA	JOAN MARIACHER
--------------	-------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **TRIFECTA GOLD LTD.**  
**ATTN: JOAN MARIACHER**  
**C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**1016- 510 W HASTINGS STREET**  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

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



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**CERTIFICATE OF ANALYSIS WH17159535**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118183		0.28	0.005	<0.2	2.24	9	<10	240	0.6	<2	0.21	<0.5	14	37	34	3.31
22118184		0.27	0.003	0.2	1.72	19	<10	300	<0.5	<2	0.16	<0.5	9	37	42	3.08
22118185		0.36	0.003	0.8	1.98	15	<10	230	<0.5	<2	0.10	<0.5	10	34	18	3.15
22118186		0.28	0.004	<0.2	2.17	11	<10	160	0.5	<2	0.13	<0.5	10	39	37	3.03
22118187		0.23	<0.001	<0.2	2.20	9	<10	220	<0.5	<2	0.14	<0.5	19	184	22	3.38
22118188		0.14	0.002	0.2	1.95	7	<10	190	<0.5	<2	0.13	<0.5	12	31	15	3.18
22118189		0.17	0.001	<0.2	2.23	14	<10	270	0.6	<2	0.17	<0.5	11	38	23	3.55
22118190		0.21	0.005	<0.2	1.95	12	<10	350	0.8	<2	0.27	<0.5	13	38	39	3.47
22118191		0.14	0.002	<0.2	2.65	13	<10	190	1.1	<2	0.13	<0.5	12	48	22	3.96
22118192		0.12	0.007	<0.2	2.54	60	<10	160	0.5	<2	0.10	<0.5	13	41	25	3.30
22118193		0.13	0.010	0.2	2.00	22	<10	160	0.8	<2	0.12	<0.5	13	42	34	4.18
22118194		0.20	0.021	0.2	2.08	14	<10	240	0.8	<2	0.20	<0.5	12	40	31	3.34
22118195		0.13	0.004	0.2	1.89	13	<10	260	0.6	<2	0.19	<0.5	10	38	32	3.01
22118196		0.18	0.001	0.3	2.59	10	<10	240	0.5	<2	0.20	<0.5	13	98	20	3.66
22118197		0.17	0.002	<0.2	1.77	14	<10	290	<0.5	<2	0.20	<0.5	12	54	19	3.02
22118198		0.18	0.011	0.3	1.82	17	<10	250	0.6	<2	0.17	<0.5	9	36	25	2.91
22118199		0.16	0.009	0.4	1.46	16	<10	240	<0.5	<2	0.14	<0.5	7	26	16	2.65
22118200		0.22	0.014	0.4	1.39	15	<10	200	<0.5	<2	0.10	<0.5	7	26	21	2.61
22118201		0.19	0.010	0.3	1.47	13	<10	230	<0.5	<2	0.12	<0.5	7	36	24	2.75
22118202		0.15	0.010	<0.2	1.59	14	<10	410	0.6	<2	0.21	<0.5	12	35	32	2.77
22118203		0.14	0.007	0.3	1.34	12	<10	380	<0.5	<2	0.24	<0.5	8	28	20	2.44
22118204		0.21	0.007	0.2	1.33	11	<10	320	<0.5	<2	0.19	<0.5	7	28	20	2.41
22118205		0.25	0.014	<0.2	1.20	14	<10	230	<0.5	<2	0.12	<0.5	8	28	34	2.84
22118206		0.41	0.013	<0.2	1.55	11	<10	250	<0.5	<2	0.17	<0.5	7	30	25	2.63
22118207		0.17	0.002	<0.2	1.78	11	<10	190	<0.5	<2	0.20	<0.5	10	37	25	2.89
22118208		0.19	0.005	<0.2	2.06	12	<10	200	<0.5	<2	0.19	<0.5	11	46	26	3.41
22118209		0.23	0.007	<0.2	1.69	9	<10	290	<0.5	<2	0.31	<0.5	11	36	30	2.85
22118210		0.19	0.007	<0.2	2.46	6	<10	330	0.6	<2	0.32	<0.5	18	64	54	3.93
22118211		0.22	0.011	0.2	2.19	8	<10	200	0.6	<2	0.19	<0.5	14	38	38	4.08
22118212		0.24	0.003	<0.2	2.95	4	<10	210	0.9	2	0.20	<0.5	21	48	49	5.33
22118213		0.20	0.003	<0.2	2.83	7	<10	170	0.7	<2	0.12	<0.5	17	44	42	4.52
22118214		0.18	0.005	<0.2	2.33	13	<10	290	0.5	<2	0.14	<0.5	11	49	31	4.03
22118215		0.18	0.007	0.2	2.04	14	<10	480	0.6	<2	0.23	<0.5	15	62	54	3.78
22118216		0.19	0.007	<0.2	2.17	18	<10	320	0.5	<2	0.18	<0.5	12	62	48	3.57
22118217		0.24	0.005	0.4	2.09	13	<10	200	0.6	<2	0.08	<0.5	13	33	74	3.13
22118218		0.17	0.007	<0.2	2.53	3	<10	220	1.0	<2	0.12	<0.5	16	48	47	4.14
22118219		0.14	0.006	0.2	2.21	10	<10	180	0.5	2	0.10	<0.5	9	36	15	3.08
22118220		0.20	0.001	0.2	2.06	9	<10	170	0.5	<2	0.12	<0.5	12	34	22	3.06
22118221		0.22	0.005	<0.2	1.83	9	<10	240	0.5	<2	0.24	<0.5	10	62	26	2.70
22118222		0.29	0.004	0.3	3.16	4	<10	730	0.7	2	0.35	<0.5	17	52	22	4.53



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118183		10	<1	0.29	20	0.74	368	2	0.01	29	540	12	0.05	<2	4	17
22118184		10	<1	0.20	20	0.63	346	2	0.01	25	420	47	0.07	2	4	20
22118185		10	<1	0.10	10	0.46	459	2	<0.01	22	430	33	0.01	<2	3	12
22118186		10	<1	0.16	20	0.64	286	1	<0.01	29	230	35	0.01	<2	3	13
22118187		10	<1	0.12	20	0.87	425	1	<0.01	34	540	9	0.01	<2	3	13
22118188		10	<1	0.35	10	0.56	372	1	<0.01	21	230	8	0.01	<2	3	12
22118189		10	<1	0.06	10	0.50	327	1	<0.01	24	370	10	0.01	<2	6	17
22118190		<10	<1	0.07	20	0.56	418	1	0.01	32	270	10	0.01	<2	9	24
22118191		10	<1	0.49	30	0.81	474	1	<0.01	27	180	14	0.01	3	6	12
22118192		<10	<1	0.12	10	0.54	241	1	<0.01	27	330	11	0.01	<2	4	10
22118193		10	<1	0.56	30	0.66	383	1	0.01	33	540	15	0.09	2	5	16
22118194		10	<1	0.14	70	0.59	372	1	<0.01	31	250	16	0.01	2	8	20
22118195		<10	1	0.06	20	0.52	274	1	<0.01	26	160	14	0.01	<2	6	18
22118196		10	<1	0.21	10	1.31	471	1	<0.01	23	190	9	0.01	<2	8	15
22118197		10	<1	0.11	10	0.60	554	1	<0.01	26	320	11	0.01	<2	4	17
22118198		<10	<1	0.10	20	0.47	270	1	<0.01	28	240	28	0.01	<2	4	15
22118199		10	1	0.09	20	0.38	256	1	<0.01	17	280	14	0.01	<2	3	13
22118200		<10	<1	0.15	20	0.42	216	1	<0.01	19	270	14	0.01	2	3	10
22118201		<10	<1	0.11	20	0.42	236	1	<0.01	22	280	15	0.05	2	4	14
22118202		<10	<1	0.09	30	0.45	573	1	<0.01	24	260	13	0.02	<2	6	19
22118203		<10	<1	0.10	20	0.39	585	1	<0.01	22	620	14	0.03	<2	3	21
22118204		<10	<1	0.07	20	0.38	258	1	<0.01	19	310	13	0.02	<2	3	17
22118205		<10	<1	0.19	20	0.29	286	2	<0.01	27	430	13	0.02	<2	3	13
22118206		<10	<1	0.07	20	0.39	209	1	<0.01	20	280	11	0.01	<2	4	16
22118207		10	<1	0.10	20	0.60	282	2	<0.01	22	540	12	0.02	<2	3	16
22118208		10	<1	0.10	20	0.67	328	2	<0.01	25	400	12	0.01	<2	4	18
22118209		<10	<1	0.13	20	0.67	345	1	0.01	26	500	10	0.01	<2	5	23
22118210		10	<1	0.66	40	1.37	492	1	0.01	40	730	11	0.01	<2	6	19
22118211		10	<1	0.49	40	0.76	418	2	<0.01	37	560	20	0.01	<2	4	15
22118212		10	<1	1.25	60	1.38	993	1	<0.01	52	750	24	0.01	<2	6	13
22118213		10	<1	0.83	40	1.27	455	1	0.01	40	530	14	0.03	<2	5	11
22118214		10	<1	0.29	20	0.88	352	2	0.01	29	720	12	0.03	<2	5	14
22118215		10	<1	0.32	20	0.79	368	1	0.01	48	610	11	0.06	<2	6	21
22118216		10	<1	0.25	20	0.77	301	2	0.01	42	470	19	0.08	<2	5	19
22118217		<10	<1	0.35	30	0.77	346	2	0.01	30	360	41	0.10	<2	4	17
22118218		10	<1	0.99	130	0.95	761	<1	0.01	38	430	30	0.01	<2	6	11
22118219		10	<1	0.09	20	0.46	337	1	0.01	17	450	16	0.02	<2	3	10
22118220		<10	<1	0.38	20	0.61	392	1	0.01	30	350	10	0.01	<2	3	10
22118221		<10	<1	0.12	20	0.80	312	1	0.01	28	420	13	0.01	<2	6	19
22118222		10	<1	1.01	20	1.62	617	<1	0.01	19	940	60	0.01	<2	7	20



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR		20	0.01	10	10	1	10
Zn							2
22118183	<20	0.14	<10	<10	59	<10	78
22118184	<20	0.10	<10	<10	58	<10	88
22118185	<20	0.08	<10	<10	65	<10	62
22118186	<20	0.10	<10	<10	55	<10	172
22118187	<20	0.11	<10	<10	90	<10	69
22118188	<20	0.14	<10	<10	55	<10	49
22118189	<20	0.09	<10	<10	86	<10	70
22118190	<20	0.08	<10	<10	70	<10	70
22118191	<20	0.21	<10	<10	59	<10	69
22118192	<20	0.08	<10	<10	59	<10	62
22118193	<20	0.17	<10	<10	53	<10	74
22118194	<20	0.09	<10	<10	58	<10	60
22118195	<20	0.07	<10	<10	61	<10	54
22118196	<20	0.14	<10	<10	75	<10	68
22118197	<20	0.08	<10	<10	59	<10	67
22118198	<20	0.07	<10	<10	55	<10	68
22118199	<20	0.08	<10	<10	57	<10	55
22118200	<20	0.08	<10	<10	43	<10	68
22118201	<20	0.07	<10	<10	48	<10	64
22118202	<20	0.08	<10	<10	50	<10	66
22118203	<20	0.05	<10	<10	44	<10	69
22118204	<20	0.06	<10	<10	47	<10	58
22118205	<20	0.08	<10	<10	51	<10	93
22118206	<20	0.08	<10	<10	53	<10	58
22118207	<20	0.09	<10	<10	57	<10	64
22118208	<20	0.11	<10	<10	68	<10	67
22118209	<20	0.11	<10	<10	53	<10	70
22118210	<20	0.18	<10	<10	73	<10	92
22118211	<20	0.14	<10	<10	61	<10	106
22118212	20	0.27	<10	<10	61	<10	129
22118213	<20	0.22	<10	<10	62	<10	108
22118214	<20	0.15	<10	<10	78	<10	108
22118215	<20	0.15	<10	<10	78	<10	126
22118216	<20	0.13	<10	<10	79	<10	106
22118217	<20	0.12	<10	<10	53	<10	134
22118218	20	0.21	<10	<10	48	<10	164
22118219	<20	0.08	<10	<10	62	<10	82
22118220	<20	0.13	<10	<10	48	<10	80
22118221	<20	0.11	<10	<10	57	<10	59
22118222	<20	0.23	<10	<10	97	<10	96





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Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118223		0.17	0.002	<0.2	3.20	3	<10	600	0.8	<2	0.61	<0.5	16	16	17	4.89
22118224		0.14	0.003	<0.2	1.49	5	<10	260	<0.5	<2	0.17	<0.5	9	63	9	2.34
22118225		0.19	<0.001	<0.2	2.20	9	<10	290	<0.5	<2	0.17	<0.5	10	47	14	3.31
22118226		0.22	0.001	0.5	2.99	2	<10	440	0.8	<2	0.40	<0.5	18	193	41	4.19
22118227		0.18	<0.001	<0.2	2.70	5	<10	270	0.5	<2	0.17	<0.5	13	63	13	4.09
22118228		0.21	<0.001	<0.2	2.24	8	<10	160	0.8	<2	0.16	<0.5	15	33	43	3.96
22118229		0.18	0.016	0.9	1.99	11	<10	180	0.6	<2	0.13	<0.5	10	36	41	3.11
22118230		0.20	0.002	<0.2	1.62	10	<10	170	0.5	<2	0.10	<0.5	10	30	21	2.85
22118231		0.17	0.001	0.4	1.80	9	<10	280	0.5	<2	0.14	<0.5	11	30	21	2.80
22118232		0.26	0.003	0.2	2.51	4	<10	510	<0.5	2	0.45	<0.5	32	263	132	3.62
22118233		0.27	0.001	<0.2	1.54	5	<10	370	<0.5	<2	0.27	<0.5	31	148	127	2.89
22118234		0.26	0.003	<0.2	1.51	7	<10	360	<0.5	<2	0.26	<0.5	19	58	52	2.61
22118235		0.31	0.003	0.2	3.29	5	<10	1120	<0.5	<2	0.43	<0.5	137	182	736	6.14
22118236		0.33	0.001	0.2	2.39	7	<10	800	<0.5	<2	0.32	<0.5	66	113	343	5.14
22118237		0.17	0.004	<0.2	1.90	14	<10	410	<0.5	<2	0.27	<0.5	20	67	74	3.00
22118238		0.29	0.001	<0.2	1.76	15	<10	550	<0.5	<2	0.31	<0.5	20	58	81	2.96
22118239		0.27	0.001	<0.2	2.97	20	<10	600	0.9	2	0.33	<0.5	18	56	76	4.45
22118240		0.23	0.007	0.6	2.24	24	<10	350	0.5	<2	0.28	<0.5	16	46	69	3.75
22118241		0.41	0.003	<0.2	0.80	71	<10	100	<0.5	<2	0.11	<0.5	7	24	27	2.03
22118242		0.42	0.006	<0.2	1.66	14	<10	320	<0.5	<2	0.33	<0.5	12	45	53	2.72
22118243		0.32	0.008	0.4	1.56	81	<10	380	<0.5	<2	0.25	<0.5	12	39	53	2.95
22118244		0.27	0.006	0.4	2.16	19	<10	390	0.5	<2	0.30	<0.5	19	65	60	3.58
22118245		0.30	0.049	0.4	2.31	11	<10	330	0.6	2	0.30	<0.5	12	50	100	3.94
22118246		0.26	0.004	<0.2	1.55	10	<10	360	<0.5	<2	0.21	<0.5	12	35	40	3.08
22118247		0.27	0.004	<0.2	1.72	7	<10	630	<0.5	<2	0.30	<0.5	22	54	79	2.79
22118248		0.33	0.004	<0.2	2.00	5	<10	590	<0.5	<2	0.37	<0.5	29	64	101	3.37
22118249		0.27	0.005	<0.2	2.02	7	<10	420	0.5	<2	0.40	<0.5	19	85	59	3.74
22118250		0.28	0.004	<0.2	1.92	10	<10	250	0.5	<2	0.24	<0.5	10	41	26	3.15
22118251		0.33	0.001	<0.2	1.22	8	<10	250	<0.5	<2	0.21	<0.5	10	27	23	2.24
22118252		0.25	0.003	0.2	1.58	10	<10	210	0.5	<2	0.17	<0.5	8	30	27	2.66
22118253		0.27	0.002	0.3	1.58	8	<10	280	<0.5	<2	0.12	<0.5	14	29	18	2.65
22118254		0.28	<0.001	0.2	1.78	10	<10	170	<0.5	<2	0.16	<0.5	10	31	18	2.92
22118255		0.28	0.001	<0.2	1.46	10	<10	220	<0.5	2	0.22	<0.5	9	30	27	2.46
22118256		0.32	<0.001	0.2	2.82	5	<10	440	<0.5	3	0.30	<0.5	15	21	14	4.23
22118257		0.30	0.001	0.2	2.60	8	<10	200	0.5	<2	0.13	<0.5	11	32	23	3.85
22118258		0.28	<0.001	0.2	2.06	9	<10	270	0.5	<2	0.27	<0.5	12	117	20	2.81
22118259		0.24	0.001	<0.2	2.84	6	<10	260	0.7	<2	0.30	<0.5	17	265	11	3.42
22118260		0.27	<0.001	<0.2	2.67	5	<10	810	<0.5	<2	0.63	<0.5	14	32	13	3.61
22118261		0.33	<0.001	<0.2	1.92	9	<10	280	<0.5	<2	0.17	<0.5	11	51	19	3.11
22118262		0.23	0.004	<0.2	1.96	12	<10	150	0.5	<2	0.12	<0.5	11	39	33	3.05



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118223		10	<1	0.84	30	1.51	704	<1	0.01	9	1670	13	0.01	<2	6	29
22118224		10	<1	0.17	10	0.59	453	1	0.01	18	830	7	0.02	<2	2	14
22118225		10	<1	0.49	20	0.92	363	1	0.01	20	750	7	0.02	<2	4	15
22118226		10	<1	1.26	30	2.18	606	<1	0.01	39	900	50	0.01	<2	8	22
22118227		10	<1	0.78	20	1.17	541	1	0.01	26	510	14	0.02	<2	4	14
22118228		10	<1	0.56	10	0.78	510	1	0.01	41	280	15	0.03	2	4	15
22118229		<10	1	0.26	20	0.61	360	2	0.01	33	190	30	0.02	<2	4	15
22118230		<10	<1	0.16	20	0.51	272	1	0.01	26	270	15	0.02	<2	3	11
22118231		<10	<1	0.12	10	0.50	465	1	0.01	21	1100	13	0.04	<2	3	13
22118232		10	<1	0.72	20	2.50	397	1	0.01	78	840	8	0.05	<2	6	26
22118233		<10	<1	0.45	<10	1.46	333	1	0.01	50	220	5	0.01	<2	5	11
22118234		<10	<1	0.29	10	1.03	248	1	0.01	33	230	4	0.02	<2	3	18
22118235		10	<1	1.98	10	3.51	476	<1	0.01	198	270	2	0.22	<2	8	14
22118236		<10	<1	1.14	<10	2.29	262	<1	0.01	84	110	2	0.19	<2	6	14
22118237		10	<1	0.49	10	1.24	316	1	0.01	35	390	8	0.02	<2	5	16
22118238		<10	<1	0.55	10	1.39	234	1	0.01	29	390	4	0.03	<2	5	20
22118239		10	1	1.11	50	1.92	639	4	0.01	34	1140	10	0.13	2	7	26
22118240		10	<1	0.51	30	1.12	422	3	0.01	30	740	12	0.09	<2	6	24
22118241		<10	1	0.05	10	0.24	149	3	0.01	19	390	12	0.03	6	3	12
22118242		<10	<1	0.18	20	0.80	251	1	0.01	28	340	9	0.02	<2	5	21
22118243		<10	1	0.10	20	0.60	358	2	0.01	32	380	12	0.02	5	5	21
22118244		10	1	0.68	30	1.01	1070	2	0.01	45	360	19	0.02	<2	6	16
22118245		10	<1	0.62	30	1.39	616	4	0.01	33	440	65	0.11	<2	6	27
22118246		<10	<1	0.23	10	0.75	307	2	0.01	29	290	9	0.04	<2	4	19
22118247		<10	<1	0.63	10	1.38	267	1	0.02	29	230	4	0.02	<2	5	18
22118248		10	1	0.65	10	1.67	335	1	0.01	48	350	7	0.04	<2	6	21
22118249		10	<1	0.58	20	1.19	491	1	0.01	49	670	10	0.03	<2	8	19
22118250		10	<1	0.21	30	0.69	296	2	0.01	25	250	9	0.01	<2	6	19
22118251		<10	<1	0.07	20	0.43	348	1	0.01	20	210	10	0.01	<2	4	18
22118252		<10	<1	0.12	20	0.48	316	1	0.01	24	190	13	0.01	<2	4	16
22118253		<10	<1	0.16	10	0.41	1325	1	0.01	23	220	9	0.02	<2	3	13
22118254		<10	<1	0.17	10	0.50	344	2	0.01	24	260	9	0.02	<2	3	15
22118255		<10	<1	0.08	20	0.51	326	1	0.01	25	340	7	0.02	<2	3	19
22118256		10	<1	1.13	10	1.39	579	<1	0.01	14	820	4	0.02	<2	4	17
22118257		10	1	0.62	10	1.08	385	<1	0.01	16	570	12	0.01	<2	4	10
22118258		10	<1	0.29	30	1.18	316	1	0.01	35	630	14	0.01	<2	6	19
22118259		10	<1	0.76	20	2.30	356	<1	0.01	62	720	11	0.01	<2	9	20
22118260		10	<1	0.93	20	1.56	442	<1	0.01	12	2170	3	0.01	<2	3	21
22118261		10	<1	0.35	20	0.80	322	1	0.01	27	360	15	0.02	<2	4	17
22118262		<10	<1	0.21	20	0.64	296	1	0.01	33	190	12	0.01	<2	4	13



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
22118223		<20	0.15	<10	<10	66	<10	98
22118224		<20	0.09	<10	<10	53	<10	45
22118225		<20	0.16	<10	<10	57	<10	71
22118226		<20	0.23	<10	<10	80	10	114
22118227		<20	0.22	<10	<10	57	<10	100
22118228		<20	0.16	<10	<10	53	<10	90
22118229		<20	0.11	<10	<10	50	<10	74
22118230		<20	0.09	<10	<10	48	<10	80
22118231		<20	0.08	<10	<10	57	<10	71
22118232		<20	0.20	<10	<10	124	<10	77
22118233		<20	0.13	<10	<10	76	<10	40
22118234		<20	0.14	<10	<10	70	<10	47
22118235		<20	0.32	<10	<10	175	<10	41
22118236		<20	0.29	<10	<10	135	<10	44
22118237		<20	0.16	<10	<10	77	<10	54
22118238		<20	0.16	<10	<10	86	<10	48
22118239		<20	0.20	<10	<10	106	<10	89
22118240		<20	0.14	<10	<10	81	<10	69
22118241		<20	0.04	<10	<10	41	<10	41
22118242		<20	0.13	<10	<10	58	<10	53
22118243		<20	0.10	<10	<10	63	<10	82
22118244		<20	0.16	<10	<10	69	<10	69
22118245		<20	0.13	<10	<10	76	<10	90
22118246		<20	0.10	<10	<10	67	<10	69
22118247		<20	0.16	<10	<10	89	<10	43
22118248		<20	0.18	<10	<10	104	<10	57
22118249		<20	0.17	<10	<10	72	<10	114
22118250		<20	0.12	<10	<10	56	<10	72
22118251		<20	0.07	<10	<10	42	<10	43
22118252		<20	0.09	<10	<10	48	<10	60
22118253		<20	0.09	<10	<10	53	<10	46
22118254		<20	0.09	<10	<10	56	<10	59
22118255		<20	0.08	<10	<10	48	<10	48
22118256		<20	0.25	<10	<10	66	<10	78
22118257		<20	0.17	<10	<10	65	<10	76
22118258		<20	0.12	<10	<10	65	<10	60
22118259		<20	0.16	<10	<10	94	<10	72
22118260		<20	0.25	<10	<10	61	40	68
22118261		<20	0.14	<10	<10	68	<10	71
22118262		<20	0.13	<10	<10	56	<10	70



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Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118263		0.30	0.003	<0.2	2.11	8	<10	170	0.5	<2	0.17	<0.5	14	37	39	3.37
22118264		0.34	0.005	<0.2	1.84	10	<10	240	0.5	<2	0.15	<0.5	10	36	17	3.01
22118265		0.38	0.006	<0.2	1.58	10	<10	210	0.5	<2	0.18	<0.5	9	33	38	2.67
22118266		0.30	0.009	<0.2	1.76	10	<10	260	<0.5	<2	0.28	<0.5	11	34	29	2.96
22118267		0.34	0.005	<0.2	1.75	12	<10	250	0.5	<2	0.22	<0.5	11	36	40	2.90
22118268		0.28	0.005	0.5	2.30	5	<10	520	<0.5	<2	0.41	<0.5	31	91	125	4.13
22118269		0.36	0.004	<0.2	4.15	5	<10	1280	<0.5	4	0.69	<0.5	66	164	284	6.27
22118270		0.38	0.004	<0.2	2.41	6	<10	770	<0.5	<2	0.30	<0.5	32	112	119	3.54
22118271		0.32	0.013	0.4	2.11	9	<10	430	<0.5	<2	0.33	<0.5	19	57	75	3.37
22118272		0.17	0.003	<0.2	1.95	13	<10	240	0.5	<2	0.14	<0.5	13	42	32	3.20
22118273		0.23	<0.001	0.2	1.70	10	<10	200	<0.5	<2	0.21	<0.5	13	51	30	3.06
22118274		0.37	0.009	0.6	1.82	23	<10	260	<0.5	<2	0.26	<0.5	14	58	72	2.90
22118275		0.38	0.005	<0.2	1.56	17	<10	240	<0.5	<2	0.27	<0.5	11	43	47	2.62
22118276		0.26	0.007	0.2	1.24	33	<10	190	<0.5	<2	0.19	<0.5	8	29	27	2.63
22118277		0.29	0.003	<0.2	0.71	16	<10	80	0.7	<2	0.26	<0.5	1	2	28	0.97
22118278		0.13	0.010	1.9	1.92	113	<10	1350	0.6	<2	0.54	1.8	15	51	101	3.72
22118279		0.31	0.008	0.2	1.84	26	<10	320	0.5	<2	0.33	<0.5	12	62	50	3.18
22118280		0.26	0.015	<0.2	1.98	15	<10	270	0.7	<2	0.27	<0.5	12	47	52	3.27
22118281		0.28	0.006	<0.2	2.09	10	<10	250	0.5	<2	0.24	<0.5	13	38	39	3.12
22118282		0.32	0.019	1.2	1.60	12	<10	160	<0.5	<2	0.29	<0.5	9	29	30	2.75
22118283		0.46	0.004	0.2	1.39	11	<10	370	<0.5	<2	0.56	<0.5	14	44	51	2.73
22118284		0.28	0.003	0.2	2.34	12	<10	350	0.6	2	0.37	<0.5	23	61	92	5.27
22118285		0.27	0.004	0.6	1.51	10	<10	330	0.5	<2	0.27	<0.5	11	32	52	3.21
22118286		0.26	0.007	<0.2	1.41	5	<10	120	<0.5	<2	0.20	<0.5	8	51	18	2.09
22118287		0.20	0.002	<0.2	1.73	7	<10	200	<0.5	<2	0.24	<0.5	10	62	16	2.55
22118288		0.23	<0.001	<0.2	1.63	6	<10	200	<0.5	<2	0.22	<0.5	10	45	13	2.52
22118289		0.20	<0.001	<0.2	1.47	7	<10	150	<0.5	<2	0.21	<0.5	8	44	11	2.27
22118290		0.21	0.003	<0.2	1.37	6	<10	200	<0.5	<2	0.24	<0.5	10	41	13	2.09
22118291		0.28	0.002	<0.2	1.40	8	<10	150	<0.5	<2	0.23	<0.5	9	46	12	2.20
22118292		0.19	0.002	<0.2	1.35	4	<10	150	<0.5	<2	0.19	<0.5	6	46	10	1.81
22118293		0.30	<0.001	<0.2	1.44	5	<10	130	<0.5	<2	0.17	<0.5	7	51	10	2.08
22118294		0.36	0.001	0.3	1.91	7	<10	410	<0.5	<2	0.38	<0.5	10	65	25	2.68
22118295		0.29	0.001	<0.2	1.67	6	<10	330	<0.5	<2	0.32	<0.5	10	54	20	2.59
22118296		0.24	0.002	<0.2	1.37	6	<10	200	<0.5	<2	0.23	<0.5	6	34	13	2.12
22118297		0.36	0.006	<0.2	1.68	8	<10	290	<0.5	<2	0.28	<0.5	8	38	21	2.52
22118298		0.32	0.007	<0.2	1.47	6	<10	220	<0.5	<2	0.26	<0.5	7	33	18	2.19
22118299		0.30	0.005	0.2	1.69	10	<10	270	<0.5	<2	0.29	<0.5	8	35	22	2.52
22118300		0.28	0.007	<0.2	1.23	9	<10	370	<0.5	<2	0.55	<0.5	11	30	28	2.51
22118301		0.31	0.001	0.2	1.88	9	<10	230	<0.5	<2	0.14	<0.5	10	33	14	2.90
22118302		0.33	<0.001	0.3	1.74	5	<10	150	<0.5	<2	0.13	<0.5	8	31	17	3.07



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118263		10	<1	0.41	10	0.83	442	2	0.01	35	210	14	0.02	<2	4	18
22118264		<10	1	0.21	10	0.55	342	1	0.01	24	230	15	0.01	<2	4	15
22118265		<10	<1	0.07	20	0.53	263	1	0.01	27	200	10	0.02	<2	5	18
22118266		10	1	0.26	20	0.59	377	1	0.01	28	320	10	0.02	<2	5	21
22118267		10	<1	0.15	30	0.65	326	1	0.01	35	220	9	0.02	<2	6	21
22118268		10	<1	0.89	10	1.91	428	2	0.01	55	820	15	0.11	<2	8	25
22118269		10	<1	2.30	10	4.61	631	<1	0.01	100	160	2	0.02	<2	13	18
22118270		10	1	1.19	10	2.37	291	1	0.01	51	120	4	0.02	<2	5	14
22118271		10	<1	0.55	20	1.31	555	1	0.01	39	550	144	0.03	<2	6	17
22118272		10	<1	0.24	10	0.72	346	1	0.01	25	220	9	0.03	<2	4	15
22118273		10	<1	0.59	20	0.83	374	1	0.01	39	290	16	0.02	2	3	12
22118274		<10	<1	0.44	20	0.94	339	1	0.01	42	400	9	0.02	<2	5	15
22118275		<10	<1	0.24	10	0.89	215	1	0.01	26	400	8	0.04	<2	3	18
22118276		<10	<1	0.09	10	0.42	275	2	0.01	16	370	13	0.02	3	3	15
22118277		<10	1	0.04	20	0.16	28	2	<0.01	4	70	16	0.01	5	2	18
22118278		<10	<1	0.13	20	0.45	546	6	<0.01	63	1260	20	0.05	3	7	43
22118279		10	<1	0.50	30	0.91	369	1	0.01	38	610	13	0.01	2	6	22
22118280		10	<1	0.53	30	0.96	337	2	0.01	33	370	12	0.03	2	6	19
22118281		<10	<1	0.11	20	0.67	333	1	0.01	30	200	12	0.01	<2	5	18
22118282		<10	<1	0.09	10	0.48	214	3	0.01	23	230	76	0.03	<2	3	14
22118283		<10	1	0.15	20	0.65	446	1	0.02	36	710	13	0.03	<2	5	29
22118284		10	<1	0.95	30	1.30	713	7	0.01	61	900	14	0.07	<2	8	21
22118285		10	<1	0.34	20	0.74	395	3	<0.01	38	440	34	0.02	<2	4	16
22118286		<10	<1	0.06	10	0.58	156	<1	<0.01	16	470	7	0.02	<2	3	13
22118287		10	<1	0.18	20	0.67	340	1	<0.01	16	660	11	0.03	<2	3	17
22118288		<10	<1	0.08	10	0.58	364	1	<0.01	16	600	11	0.02	<2	3	15
22118289		10	<1	0.08	10	0.56	299	1	<0.01	15	550	9	0.02	<2	2	15
22118290		<10	<1	0.06	10	0.48	285	1	<0.01	15	570	9	0.03	<2	2	17
22118291		<10	<1	0.06	10	0.51	303	1	<0.01	15	560	9	0.02	<2	2	16
22118292		<10	<1	0.06	10	0.51	138	1	<0.01	13	450	6	0.03	<2	2	15
22118293		10	<1	0.07	10	0.58	160	1	<0.01	11	480	8	0.02	<2	2	13
22118294		10	<1	0.07	20	0.71	294	1	0.01	22	640	10	0.02	<2	4	27
22118295		<10	<1	0.06	20	0.63	280	1	<0.01	19	660	8	0.01	<2	4	22
22118296		<10	<1	0.05	10	0.43	158	1	<0.01	14	500	8	0.01	<2	2	16
22118297		10	<1	0.06	20	0.51	215	1	<0.01	20	580	12	0.01	3	3	20
22118298		<10	<1	0.06	10	0.45	182	1	<0.01	16	500	8	0.01	<2	3	19
22118299		<10	<1	0.07	20	0.49	206	1	<0.01	18	670	9	0.03	2	3	22
22118300		<10	<1	0.07	10	0.56	377	1	0.02	26	900	7	0.02	<2	4	33
22118301		10	1	0.08	10	0.44	409	1	<0.01	18	280	12	<0.01	<2	3	14
22118302		10	<1	0.32	40	0.56	439	1	<0.01	15	540	14	0.01	2	3	12



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
22118263		<20	0.14	<10	<10	59	<10	201
22118264		<20	0.11	<10	<10	57	<10	70
22118265		<20	0.08	<10	<10	52	<10	60
22118266		<20	0.11	<10	<10	51	<10	78
22118267		<20	0.10	<10	<10	55	<10	65
22118268		<20	0.21	<10	<10	117	<10	90
22118269		<20	0.43	<10	<10	271	<10	105
22118270		<20	0.24	<10	<10	125	<10	58
22118271		<20	0.16	<10	<10	80	<10	70
22118272		<20	0.12	<10	<10	72	<10	55
22118273		<20	0.16	<10	<10	60	<10	62
22118274		<20	0.15	<10	<10	58	<10	60
22118275		<20	0.13	<10	<10	65	<10	56
22118276		<20	0.07	<10	<10	59	<10	46
22118277		30	<0.01	<10	<10	2	<10	36
22118278		<20	0.04	<10	<10	88	<10	163
22118279		<20	0.13	<10	<10	60	<10	76
22118280		<20	0.14	<10	<10	61	<10	74
22118281		<20	0.10	<10	<10	58	<10	56
22118282		<20	0.08	<10	<10	57	<10	49
22118283		<20	0.09	<10	<10	55	10	70
22118284		<20	0.18	<10	<10	95	20	148
22118285		<20	0.10	<10	<10	55	<10	158
22118286		<20	0.09	<10	<10	49	<10	46
22118287		<20	0.09	<10	<10	55	<10	66
22118288		<20	0.08	<10	<10	56	<10	62
22118289		<20	0.08	<10	<10	60	<10	59
22118290		<20	0.06	<10	<10	45	<10	53
22118291		<20	0.07	<10	<10	53	<10	54
22118292		<20	0.07	<10	<10	36	<10	49
22118293		<20	0.09	<10	<10	47	<10	50
22118294		<20	0.10	<10	<10	55	<10	65
22118295		<20	0.09	<10	<10	51	<10	61
22118296		<20	0.06	<10	<10	46	<10	50
22118297		<20	0.07	<10	<10	50	<10	62
22118298		<20	0.07	<10	<10	45	<10	53
22118299		<20	0.07	<10	<10	50	<10	72
22118300		<20	0.07	<10	<10	48	<10	73
22118301		<20	0.08	<10	<10	62	<10	58
22118302		<20	0.13	<10	<10	54	<10	76



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118303		0.22	0.004	<0.2	2.52	7	<10	170	<0.5	2	0.21	<0.5	14	232	21	3.05
22118304		0.29	0.003	0.2	1.84	9	<10	230	<0.5	<2	0.17	<0.5	10	43	14	2.90
22118305		0.32	0.004	0.2	2.90	5	<10	300	0.7	<2	0.26	<0.5	12	31	38	4.30
22118306		0.24	<0.001	<0.2	2.99	6	<10	670	<0.5	<2	0.37	<0.5	14	32	16	3.97
22118307		0.32	<0.001	<0.2	2.84	3	<10	250	0.6	<2	0.20	<0.5	13	62	15	4.57
22118308		0.29	0.545	<0.2	2.00	9	<10	180	0.5	<2	0.15	<0.5	11	40	23	3.08
22118309		0.22	0.001	<0.2	2.45	6	<10	250	0.6	<2	0.12	<0.5	19	36	25	3.64
22118310		0.30	0.001	0.2	2.66	11	<10	220	0.9	<2	0.31	<0.5	17	40	43	3.92
22118311		0.27	0.020	0.7	1.56	14	<10	200	0.5	<2	0.17	<0.5	10	32	35	2.81
22118312		0.27	0.004	<0.2	2.39	11	<10	120	0.6	<2	0.12	<0.5	15	37	28	3.66
22118313		0.29	0.001	0.3	1.62	12	<10	430	<0.5	<2	0.29	<0.5	13	35	36	2.93
22118314		0.34	0.002	0.5	2.13	6	<10	520	<0.5	<2	0.40	<0.5	25	87	95	4.50
22118315		0.35	0.002	<0.2	3.32	3	<10	1270	<0.5	3	0.41	<0.5	50	162	134	4.61
22118316		0.38	0.003	<0.2	3.22	4	<10	1240	<0.5	2	0.63	<0.5	57	155	274	4.69
22118317		0.39	0.002	<0.2	1.84	6	<10	480	<0.5	<2	0.33	<0.5	28	96	113	2.99
22118318		0.35	0.008	0.3	1.65	12	<10	580	<0.5	<2	0.35	<0.5	25	47	188	3.29
22118319		0.29	0.008	<0.2	1.64	8	<10	310	<0.5	<2	0.33	<0.5	22	56	99	2.96
22118320		0.28	0.006	0.2	2.06	7	<10	450	<0.5	<2	0.29	<0.5	23	75	95	3.36
22118321		0.31	0.006	0.3	2.03	19	<10	340	0.6	<2	0.23	<0.5	11	49	59	3.38
22118322		0.30	0.002	0.2	2.00	32	<10	350	0.5	<2	0.23	<0.5	11	49	39	3.37
22118323		0.24	<0.001	<0.2	2.77	15	<10	620	1.5	<2	0.31	<0.5	20	43	46	4.76
22118324		0.38	0.014	0.6	0.77	139	<10	530	<0.5	<2	0.17	0.5	15	32	55	3.05
22118325		0.25	0.005	0.3	0.67	99	<10	360	<0.5	<2	0.14	0.7	10	28	74	3.16
22118326		0.29	0.003	0.2	2.99	22	<10	420	0.8	<2	0.57	<0.5	20	114	90	5.39
22118327		0.23	0.003	<0.2	2.58	6	<10	290	1.3	<2	0.20	<0.5	20	38	72	4.48
22118328		0.25	0.014	1.2	1.42	8	<10	160	<0.5	<2	0.34	<0.5	8	30	54	2.63
22118329		0.24	0.005	0.6	2.01	7	<10	840	<0.5	<2	0.66	<0.5	30	61	141	3.38
22118330		0.30	0.004	0.4	1.63	10	<10	490	<0.5	<2	0.52	<0.5	18	59	64	3.21
22118331		0.17	0.001	0.3	1.70	9	<10	420	<0.5	<2	0.46	<0.5	11	39	38	3.05
22118332		0.25	0.002	<0.2	1.20	7	<10	330	<0.5	<2	0.30	<0.5	7	28	23	2.26
22118333		0.23	<0.001	<0.2	2.41	8	<10	460	<0.5	<2	0.27	<0.5	12	47	19	4.28
22118334		0.26	<0.001	<0.2	1.34	8	<10	240	<0.5	<2	0.21	<0.5	7	29	29	2.64
22118335		0.28	0.004	0.3	1.64	9	<10	260	0.5	<2	0.34	<0.5	10	35	28	2.88
22118336		0.24	0.006	<0.2	1.97	11	<10	160	<0.5	<2	0.12	<0.5	9	34	29	3.52
22118337		0.26	0.005	<0.2	1.51	7	<10	250	<0.5	<2	0.21	<0.5	8	37	15	2.61
22118338		0.22	0.009	0.4	2.36	5	<10	470	0.5	2	0.39	<0.5	13	52	33	4.12
22118339		0.27	0.009	0.2	1.70	6	<10	250	<0.5	<2	0.29	<0.5	10	62	19	2.63
22118340		0.15	0.004	<0.2	1.56	7	<10	250	<0.5	<2	0.32	<0.5	9	51	16	2.58
22118341		0.23	0.001	<0.2	1.44	6	<10	260	<0.5	<2	0.36	<0.5	6	45	15	2.13
22118342		0.39	0.003	<0.2	1.72	7	<10	260	<0.5	<2	0.30	<0.5	10	58	18	2.76



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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118303		10	<1	0.38	20	1.35	339	<1	<0.01	51	890	8	0.01	<2	4	13
22118304		<10	<1	0.14	10	0.67	328	1	<0.01	17	370	16	<0.01	2	4	15
22118305		10	<1	0.93	20	1.13	472	<1	<0.01	16	800	12	0.01	<2	5	16
22118306		10	<1	0.90	10	1.35	665	1	0.01	15	1500	5	0.01	<2	3	20
22118307		10	<1	1.41	20	1.57	567	<1	<0.01	22	550	6	0.01	<2	4	12
22118308		<10	1	0.21	10	0.63	297	1	<0.01	28	250	13	0.01	<2	4	15
22118309		10	1	0.31	10	0.67	1860	1	<0.01	30	410	13	0.01	3	4	12
22118310		10	<1	0.54	10	1.00	716	1	<0.01	41	250	16	0.01	<2	4	26
22118311		<10	<1	0.13	20	0.52	466	1	<0.01	26	190	39	0.01	2	4	17
22118312		10	<1	0.33	10	0.67	292	1	<0.01	34	330	9	0.01	<2	4	13
22118313		10	<1	0.15	20	0.52	837	2	<0.01	29	540	14	0.04	2	4	27
22118314		10	1	0.64	10	1.67	332	1	0.01	40	640	13	0.16	<2	8	29
22118315		10	<1	1.98	<10	3.81	365	<1	0.01	74	190	3	0.01	<2	6	16
22118316		10	<1	1.30	10	3.35	696	<1	<0.01	93	220	3	0.02	2	5	21
22118317		<10	<1	0.53	10	1.60	285	1	0.01	50	160	3	0.01	<2	5	17
22118318		<10	1	0.33	10	0.96	309	1	0.01	32	320	20	0.07	<2	6	22
22118319		<10	<1	0.41	10	1.05	286	1	0.01	37	370	10	0.02	<2	5	19
22118320		10	<1	0.64	20	1.26	394	1	<0.01	51	380	10	0.02	<2	6	17
22118321		10	<1	0.35	20	0.99	310	2	<0.01	28	500	13	0.05	<2	4	19
22118322		10	<1	0.08	10	0.61	274	2	<0.01	30	240	14	0.02	<2	5	21
22118323		10	<1	1.08	60	1.17	917	1	<0.01	55	830	19	0.01	3	8	22
22118324		<10	<1	0.07	10	0.20	443	8	<0.01	51	1110	23	0.06	4	4	24
22118325		<10	<1	0.04	10	0.21	239	4	<0.01	36	610	27	0.02	4	5	25
22118326		10	<1	1.54	40	1.80	665	1	0.01	82	1700	13	0.02	<2	12	19
22118327		10	<1	1.36	50	1.31	787	1	<0.01	51	590	20	0.01	<2	7	11
22118328		<10	<1	0.21	10	0.66	300	3	0.01	24	490	163	0.04	2	4	23
22118329		10	<1	0.58	30	1.25	738	1	0.01	56	550	13	0.05	<2	7	33
22118330		10	<1	0.28	20	0.87	604	3	0.01	48	680	15	0.03	<2	6	27
22118331		10	<1	0.13	20	0.69	445	1	0.02	29	540	11	0.02	<2	5	33
22118332		<10	<1	0.07	20	0.48	240	<1	0.01	20	440	10	0.02	<2	4	22
22118333		10	<1	0.92	20	1.14	604	1	0.01	23	660	11	0.02	<2	7	19
22118334		<10	<1	0.11	20	0.48	246	3	0.01	19	270	14	0.04	3	3	24
22118335		<10	<1	0.12	30	0.57	510	1	0.01	28	260	12	0.02	<2	4	25
22118336		10	<1	0.22	10	0.63	305	2	0.01	24	380	15	0.04	<2	4	15
22118337		10	<1	0.18	10	0.62	263	1	0.01	20	220	10	0.02	2	3	17
22118338		10	<1	0.93	30	1.40	467	1	0.01	24	910	37	0.02	<2	6	22
22118339		<10	<1	0.09	20	0.68	260	1	0.01	17	680	12	0.03	<2	3	19
22118340		<10	<1	0.09	10	0.63	262	1	0.01	17	720	11	0.02	<2	3	21
22118341		<10	<1	0.06	10	0.56	172	1	0.01	16	620	10	0.03	<2	3	22
22118342		<10	<1	0.07	20	0.66	302	1	0.01	18	690	11	0.02	2	3	21





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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
22118303		<20	0.13	<10	<10	80	<10	60
22118304		<20	0.11	<10	<10	60	<10	55
22118305		<20	0.22	<10	<10	69	10	80
22118306		<20	0.27	<10	<10	57	<10	77
22118307		<20	0.28	<10	<10	63	10	108
22118308		<20	0.13	<10	<10	56	<10	66
22118309		<20	0.13	<10	<10	67	<10	110
22118310		<20	0.18	<10	<10	59	<10	771
22118311		<20	0.09	<10	<10	48	<10	60
22118312		<20	0.13	<10	<10	63	<10	83
22118313		<20	0.09	<10	<10	55	<10	86
22118314		<20	0.22	<10	<10	134	<10	69
22118315		<20	0.34	<10	<10	194	<10	51
22118316		<20	0.28	<10	<10	157	<10	56
22118317		<20	0.17	<10	<10	92	<10	47
22118318		<20	0.15	<10	<10	78	<10	52
22118319		<20	0.15	<10	<10	72	<10	53
22118320		<20	0.18	<10	<10	71	<10	63
22118321		<20	0.13	<10	<10	76	<10	74
22118322		<20	0.08	<10	<10	70	<10	62
22118323		20	0.20	<10	<10	50	<10	111
22118324		<20	0.03	<10	<10	77	<10	168
22118325		<20	0.03	<10	<10	68	<10	219
22118326		<20	0.25	<10	<10	107	10	104
22118327		20	0.17	<10	<10	40	<10	104
22118328		<20	0.09	<10	<10	52	<10	55
22118329		<20	0.14	<10	<10	83	<10	69
22118330		<20	0.11	<10	<10	68	10	82
22118331		<20	0.10	<10	<10	56	<10	71
22118332		<20	0.08	<10	<10	44	<10	44
22118333		<20	0.22	<10	<10	64	<10	93
22118334		<20	0.08	<10	<10	56	<10	45
22118335		<20	0.09	<10	<10	54	<10	60
22118336		<20	0.10	<10	<10	68	<10	64
22118337		<20	0.11	<10	<10	51	<10	50
22118338		<20	0.21	<10	<10	74	10	85
22118339		<20	0.08	<10	<10	54	<10	63
22118340		<20	0.08	<10	<10	55	<10	61
22118341		<20	0.07	<10	<10	46	<10	55
22118342		<20	0.09	<10	<10	58	<10	64



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Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118343		0.28	0.007	0.2	1.50	5	<10	250	<0.5	<2	0.41	<0.5	7	47	15	2.29
22118344		0.25	0.005	<0.2	1.52	6	<10	250	<0.5	<2	0.31	<0.5	8	46	15	2.26
22118345		0.20	<0.001	<0.2	1.38	5	<10	190	<0.5	<2	0.26	<0.5	8	47	17	2.08
22118346		0.13	0.001	0.2	1.51	8	<10	230	<0.5	<2	0.25	<0.5	10	42	14	2.48
22118347		0.19	<0.001	<0.2	1.36	6	<10	190	<0.5	<2	0.22	<0.5	6	35	13	2.10
22118348		0.24	<0.001	<0.2	1.40	8	<10	190	<0.5	<2	0.20	<0.5	6	34	14	2.29
22118349		0.18	<0.001	<0.2	1.23	7	<10	220	<0.5	<2	0.27	<0.5	11	28	13	2.13
22118350		0.35	<0.001	<0.2	2.12	7	<10	210	0.5	<2	0.31	<0.5	10	41	17	3.31
22118351		0.27	0.002	0.2	1.59	10	<10	520	0.6	<2	0.64	<0.5	12	36	36	3.05
22118352		0.37	0.001	<0.2	1.32	9	<10	330	<0.5	<2	0.57	<0.5	10	32	29	2.59
22118353		0.40	0.002	<0.2	1.17	8	<10	300	<0.5	<2	0.54	<0.5	9	26	17	2.12
22118354		0.44	0.001	<0.2	2.62	8	<10	200	0.6	<2	0.49	<0.5	13	55	17	4.22
22118355		0.29	0.001	<0.2	1.78	3	<10	140	<0.5	<2	0.24	<0.5	10	31	16	2.89
22118356		0.28	0.002	<0.2	1.98	8	<10	100	0.5	<2	0.15	<0.5	11	32	19	3.44
22118357		0.35	0.003	<0.2	2.51	17	<10	120	0.8	<2	0.11	<0.5	12	40	26	4.42
22118358		0.28	0.001	<0.2	2.34	4	<10	180	1.0	2	0.18	<0.5	16	30	27	4.09
22118359		0.29	0.008	<0.2	1.72	7	<10	170	0.5	<2	0.25	<0.5	9	30	25	2.84
22118360		0.42	0.002	<0.2	2.10	8	<10	200	0.6	<2	0.16	<0.5	10	39	18	3.56
22118361		0.32	<0.001	<0.2	3.39	10	<10	350	2.5	3	0.95	<0.5	12	52	8	4.43
22118362		0.38	0.005	<0.2	1.91	12	<10	420	0.6	<2	0.25	<0.5	10	42	50	3.12
22118363		0.39	0.003	<0.2	1.33	69	<10	380	0.5	2	0.22	<0.5	9	36	53	3.01
22118364		0.43	0.013	<0.2	2.83	5	<10	280	1.4	<2	0.54	<0.5	10	50	19	4.00
22118365		0.39	0.010	0.2	2.39	6	<10	180	0.7	2	0.34	<0.5	9	44	18	3.78
22118366		0.44	0.022	<0.2	2.18	10	<10	120	0.8	<2	0.17	<0.5	12	32	20	3.94
22118367		0.29	0.001	<0.2	2.95	5	<10	210	1.1	<2	0.15	<0.5	16	42	35	5.36
22118368		0.44	<0.001	<0.2	2.59	16	<10	150	0.7	2	0.14	<0.5	13	39	26	4.72
22118369		0.50	0.001	<0.2	2.76	10	<10	200	0.9	<2	0.28	<0.5	14	42	40	4.63
22118370		0.30	0.001	<0.2	2.36	6	<10	140	0.7	<2	0.23	<0.5	13	37	25	3.86
22118371		0.30	0.002	<0.2	2.25	7	<10	150	0.6	2	0.20	<0.5	13	35	22	3.89
22118372		0.28	0.003	<0.2	2.39	5	<10	390	0.5	<2	0.46	<0.5	12	69	16	3.71
22118373		0.28	0.001	<0.2	2.69	11	<10	150	0.6	<2	0.23	<0.5	13	47	16	4.46
22118374		0.36	0.001	<0.2	2.05	5	<10	190	<0.5	<2	0.34	<0.5	9	62	14	3.06
22118375		0.54	0.002	<0.2	2.52	6	<10	230	0.5	<2	0.44	<0.5	13	66	22	3.85
22118376		0.36	0.004	<0.2	1.17	8	<10	330	<0.5	<2	0.88	<0.5	9	25	21	2.33
22118377		0.28	0.002	<0.2	1.13	7	<10	280	<0.5	<2	0.83	<0.5	8	23	17	2.12
22118378		0.22	0.001	<0.2	1.25	10	<10	280	<0.5	<2	0.51	<0.5	11	28	17	2.46
22118379		0.40	0.005	<0.2	1.39	10	<10	410	<0.5	<2	0.77	<0.5	9	29	34	2.62
22118380		0.42	0.001	0.2	1.40	11	<10	460	<0.5	<2	1.17	<0.5	11	29	34	2.78
22118381		0.29	0.002	0.2	2.18	5	<10	210	<0.5	2	0.38	<0.5	13	74	22	3.48
22118382		0.38	<0.001	<0.2	2.15	4	<10	110	0.5	<2	0.23	<0.5	13	33	19	3.94



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118343		<10	<1	0.10	20	0.59	248	1	0.01	16	730	11	0.03	2	3	23
22118344		10	<1	0.08	20	0.56	200	1	0.01	16	680	12	0.04	<2	3	21
22118345		<10	<1	0.08	10	0.58	211	1	0.01	15	660	11	0.03	<2	2	16
22118346		<10	<1	0.06	20	0.51	357	1	0.01	16	650	13	0.04	<2	2	18
22118347		<10	<1	0.06	10	0.44	160	1	0.01	14	600	10	0.04	<2	2	16
22118348		<10	<1	0.05	10	0.42	203	1	0.01	13	610	13	0.04	<2	2	16
22118349		<10	<1	0.06	10	0.44	393	1	0.01	15	690	10	0.04	<2	2	20
22118350		10	<1	0.35	40	0.82	321	1	0.01	17	740	9	0.02	<2	4	19
22118351		<10	<1	0.06	20	0.64	611	1	0.02	32	640	13	0.04	2	5	38
22118352		<10	<1	0.05	10	0.56	365	1	0.02	27	850	11	0.03	<2	4	33
22118353		<10	<1	0.05	10	0.47	344	1	0.01	19	730	9	0.03	2	3	31
22118354		10	<1	0.71	30	1.24	553	1	0.01	18	1260	10	0.02	<2	6	20
22118355		10	<1	0.38	40	0.70	219	1	0.01	22	570	14	0.05	<2	3	18
22118356		10	<1	0.32	20	0.69	406	1	<0.01	23	430	14	0.02	<2	3	12
22118357		10	<1	0.82	20	0.92	399	1	<0.01	27	290	23	0.01	<2	4	9
22118358		10	<1	1.02	30	0.95	419	<1	0.01	31	690	16	0.01	<2	4	7
22118359		10	<1	0.24	40	0.58	279	1	0.01	20	680	12	0.02	<2	4	18
22118360		10	<1	0.65	30	0.77	296	1	0.01	23	300	15	0.01	<2	4	12
22118361		10	<1	0.98	70	1.50	542	<1	0.01	15	1630	12	0.01	<2	10	40
22118362		<10	<1	0.07	20	0.61	343	1	0.01	27	290	12	0.01	<2	7	23
22118363		<10	<1	0.08	20	0.49	377	2	0.01	31	470	19	0.02	<2	6	22
22118364		10	<1	0.74	60	1.07	464	1	0.01	18	1250	20	0.02	<2	7	31
22118365		10	<1	0.48	70	0.84	279	1	<0.01	18	1030	16	0.04	<2	6	21
22118366		10	<1	0.58	30	0.67	386	1	<0.01	23	590	23	0.01	<2	4	11
22118367		10	<1	1.34	30	1.03	373	1	<0.01	36	520	21	0.01	<2	5	9
22118368		10	<1	0.89	30	0.97	412	2	<0.01	29	450	19	0.01	<2	5	11
22118369		10	<1	1.00	100	1.10	497	1	<0.01	31	770	20	0.01	<2	6	16
22118370		10	<1	0.84	40	0.89	390	2	0.01	28	800	20	0.03	<2	5	14
22118371		10	<1	0.68	30	0.82	443	1	0.01	25	460	16	0.02	<2	4	13
22118372		10	<1	0.48	70	1.08	420	1	0.01	20	960	10	0.04	3	6	25
22118373		10	<1	0.38	10	0.86	411	1	0.01	20	800	16	0.02	<2	6	14
22118374		10	<1	0.38	30	0.94	306	1	0.01	18	850	10	0.04	<2	4	18
22118375		10	<1	0.46	40	1.17	414	1	0.01	19	1290	12	0.03	<2	7	20
22118376		<10	<1	0.07	10	0.56	317	1	0.02	23	710	9	0.03	<2	3	40
22118377		<10	<1	0.07	10	0.49	410	1	0.02	19	740	8	0.04	<2	3	37
22118378		<10	<1	0.07	20	0.49	598	1	0.02	19	770	10	0.03	<2	3	31
22118379		<10	<1	0.06	10	0.59	369	1	0.02	26	740	10	0.03	<2	4	41
22118380		<10	<1	0.07	10	0.68	442	1	0.03	29	800	12	0.03	<2	4	52
22118381		10	<1	0.44	60	1.03	383	1	0.01	25	850	11	0.04	<2	5	22
22118382		10	<1	0.61	20	0.96	316	1	0.01	29	650	13	0.02	<2	4	13



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR		20	0.01	10	10	1	10
Zn							2
22118343	<20	0.08	<10	<10	49	<10	57
22118344	<20	0.07	<10	<10	47	<10	58
22118345	<20	0.07	<10	<10	47	<10	51
22118346	<20	0.07	<10	<10	54	<10	58
22118347	<20	0.06	<10	<10	40	<10	56
22118348	<20	0.06	<10	<10	48	<10	57
22118349	<20	0.06	<10	<10	41	<10	64
22118350	<20	0.13	<10	<10	56	<10	80
22118351	<20	0.06	<10	<10	57	<10	87
22118352	<20	0.07	<10	<10	52	<10	65
22118353	<20	0.06	<10	<10	45	<10	64
22118354	<20	0.14	<10	<10	68	<10	105
22118355	<20	0.13	<10	<10	36	<10	75
22118356	<20	0.13	<10	<10	50	<10	70
22118357	<20	0.24	<10	<10	57	<10	83
22118358	20	0.16	<10	<10	31	<10	88
22118359	<20	0.11	<10	<10	41	<10	64
22118360	<20	0.19	<10	<10	43	<10	72
22118361	40	0.09	<10	<10	58	<10	101
22118362	<20	0.11	<10	<10	59	<10	66
22118363	<20	0.09	<10	<10	56	<10	81
22118364	<20	0.09	<10	<10	61	<10	88
22118365	<20	0.12	<10	<10	56	<10	83
22118366	<20	0.14	<10	<10	42	<10	87
22118367	20	0.26	<10	<10	47	<10	108
22118368	<20	0.22	<10	<10	54	<10	98
22118369	20	0.21	<10	<10	49	<10	103
22118370	<20	0.18	<10	<10	44	<10	93
22118371	<20	0.20	<10	<10	52	<10	82
22118372	<20	0.16	<10	<10	63	<10	86
22118373	<20	0.14	<10	<10	78	<10	73
22118374	<20	0.14	<10	<10	49	<10	76
22118375	<20	0.14	<10	<10	62	<10	101
22118376	<20	0.06	<10	<10	43	<10	64
22118377	<20	0.06	<10	<10	41	<10	70
22118378	<20	0.06	<10	<10	46	<10	66
22118379	<20	0.07	<10	<10	50	<10	73
22118380	<20	0.07	<10	<10	51	<10	78
22118381	<20	0.15	<10	<10	52	<10	82
22118382	<20	0.16	<10	<10	43	<10	84



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Sample Description	Method	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118383		0.38	0.006	<0.2	2.17	10	<10	160	0.7	2	0.26	<0.5	14	40	36	3.89
22118384		0.33	<0.001	<0.2	2.81	11	<10	140	0.7	2	0.21	<0.5	16	44	33	4.95
22118385		0.36	0.006	<0.2	2.46	20	<10	260	1.2	2	0.38	<0.5	14	36	41	4.26
22118386		0.36	0.030	0.4	2.09	33	<10	160	0.8	<2	0.28	<0.5	14	31	36	3.74
22118387		0.39	0.065	<0.2	2.10	5	<10	160	0.9	2	0.19	<0.5	13	29	41	4.02
22118388		0.33	<0.001	<0.2	1.73	9	<10	400	0.5	<2	0.42	<0.5	9	46	28	2.94
22118389		0.29	0.001	<0.2	2.12	5	<10	360	0.6	<2	0.31	<0.5	14	45	43	3.70
22118390		0.30	0.002	0.3	1.71	10	<10	410	0.5	<2	0.36	<0.5	9	39	31	2.84
22118391		0.28	0.002	<0.2	1.63	8	<10	290	<0.5	<2	0.27	<0.5	8	36	21	2.62
22118392		0.34	0.003	0.2	1.78	12	<10	420	<0.5	<2	0.30	<0.5	9	38	34	2.87
22118393		0.36	0.004	0.3	1.87	13	<10	310	<0.5	2	0.23	<0.5	7	36	34	2.75
22118394		0.41	0.003	<0.2	1.54	12	<10	260	<0.5	<2	0.22	<0.5	6	31	26	2.35
22118395		0.23	0.003	<0.2	1.57	10	<10	290	0.6	<2	0.39	<0.5	9	43	18	2.70
22118396		0.30	<0.001	0.2	1.51	13	<10	240	<0.5	<2	0.28	<0.5	6	30	20	2.40
22118397		0.48	<0.001	<0.2	1.67	4	<10	180	0.5	<2	0.28	<0.5	7	34	19	2.52
22118398		0.20	0.004	<0.2	1.41	4	<10	140	<0.5	<2	0.27	<0.5	5	32	10	2.10
22118399		0.38	0.002	<0.2	1.97	8	<10	210	<0.5	<2	0.39	<0.5	12	39	14	3.35
22118400		0.31	<0.001	<0.2	2.69	8	<10	390	0.6	<2	0.58	<0.5	16	55	16	4.48
22118401		0.27	<0.001	<0.2	2.34	4	<10	500	<0.5	<2	0.38	<0.5	13	64	18	3.50
22118402		0.30	0.003	<0.2	1.77	6	<10	240	<0.5	<2	0.30	<0.5	9	71	19	2.64
22118403		0.32	0.003	<0.2	1.72	7	<10	260	<0.5	<2	0.28	<0.5	8	63	17	2.55
22118404		0.25	0.004	0.2	1.78	8	<10	240	<0.5	<2	0.30	<0.5	10	74	17	2.73
22118405		0.34	0.001	<0.2	1.59	7	<10	240	<0.5	<2	0.29	<0.5	8	54	14	2.49
22118406		0.33	<0.001	<0.2	1.50	6	<10	200	<0.5	<2	0.25	<0.5	10	47	13	2.34
22118407		0.21	0.006	0.2	1.72	6	<10	340	<0.5	<2	0.31	<0.5	8	45	18	2.58
22118408		0.41	<0.001	<0.2	1.35	7	<10	210	<0.5	<2	0.28	<0.5	7	34	16	2.44
22118409		0.21	0.001	<0.2	1.48	8	<10	240	<0.5	<2	0.24	<0.5	7	33	16	2.36
22118410		0.33	<0.001	<0.2	1.27	10	<10	260	<0.5	<2	0.33	<0.5	9	29	15	2.27
22118411		0.32	<0.001	<0.2	1.60	8	<10	340	<0.5	<2	0.47	<0.5	11	34	26	2.65
22118412		0.40	0.001	0.2	1.39	11	<10	420	<0.5	<2	1.78	0.6	11	33	41	2.86
22118413		0.24	0.002	<0.2	1.48	11	<10	380	0.5	<2	0.70	<0.5	12	35	33	2.79
22118414		0.42	0.002	<0.2	1.50	11	<10	410	0.5	<2	0.75	<0.5	12	36	37	2.93
22118415		0.36	<0.001	<0.2	1.46	8	<10	340	<0.5	<2	0.49	<0.5	10	32	24	2.56
22118416		0.30	<0.001	<0.2	1.42	9	<10	330	<0.5	<2	0.95	<0.5	10	34	36	2.62
22118417		0.33	0.001	<0.2	1.49	11	<10	380	0.5	<2	0.68	<0.5	11	38	32	2.84
22118418		0.29	<0.001	<0.2	1.46	11	<10	360	0.5	<2	0.83	0.5	12	36	35	2.99
22118419		0.35	0.001	<0.2	2.10	7	<10	310	0.5	<2	0.23	<0.5	10	46	31	3.16
22118420		0.37	<0.001	<0.2	1.89	7	<10	230	<0.5	<2	0.17	<0.5	9	38	25	2.90
22118421		0.40	<0.001	0.2	2.03	45	<10	420	0.5	<2	0.25	<0.5	9	46	55	3.47
22118422		0.38	<0.001	0.2	1.75	20	<10	380	0.5	<2	0.28	<0.5	11	41	46	3.18



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
22118383		10	<1	0.60	50	0.87	472	1	0.01	31	510	16	0.02	<2	4	18
22118384		10	<1	1.03	20	1.09	460	1	0.01	32	740	17	0.01	<2	5	10
22118385		10	<1	1.02	50	1.05	524	1	0.01	32	640	21	0.01	<2	5	17
22118386		10	<1	0.79	80	0.84	392	3	0.01	33	520	105	0.04	<2	5	17
22118387		10	<1	1.08	100	0.85	365	1	0.01	32	620	40	0.01	<2	4	13
22118388		10	<1	0.07	20	0.68	322	1	0.01	24	600	12	0.02	<2	5	30
22118389		10	<1	0.57	30	0.94	531	2	0.01	32	770	14	0.03	<2	5	23
22118390		10	<1	0.07	30	0.55	409	1	0.01	24	550	14	0.02	<2	5	28
22118391		10	<1	0.05	20	0.54	257	1	0.01	18	450	12	0.01	<2	4	20
22118392		10	<1	0.08	20	0.51	318	2	0.01	22	590	12	0.02	<2	4	24
22118393		10	<1	0.07	20	0.48	220	1	0.01	21	670	13	0.02	<2	4	19
22118394		10	<1	0.07	20	0.42	144	1	0.01	18	610	13	0.01	<2	4	19
22118395		10	<1	0.28	30	0.65	327	1	0.01	17	880	12	<0.01	<2	4	31
22118396		10	<1	0.11	20	0.43	164	1	0.01	17	690	14	0.02	<2	3	23
22118397		10	<1	0.33	40	0.59	273	1	0.01	17	820	15	0.03	<2	4	19
22118398		10	<1	0.20	30	0.52	172	1	0.01	14	670	10	0.03	<2	3	19
22118399		10	<1	0.33	20	0.84	420	1	0.01	19	980	10	<0.01	<2	4	20
22118400		10	<1	0.68	30	1.25	621	1	0.01	21	1510	10	<0.01	<2	6	25
22118401		10	1	0.65	30	1.39	401	<1	0.01	15	900	10	<0.01	<2	3	23
22118402		10	<1	0.10	20	0.76	282	1	0.01	20	660	11	0.01	2	3	19
22118403		<10	<1	0.06	10	0.64	219	1	0.01	17	570	11	0.02	<2	3	20
22118404		10	<1	0.07	10	0.72	306	1	0.01	17	660	12	0.01	<2	3	20
22118405		10	<1	0.07	20	0.60	251	1	0.01	15	680	11	0.01	<2	3	19
22118406		10	<1	0.06	10	0.55	385	1	0.01	15	610	12	0.01	<2	3	16
22118407		10	<1	0.08	20	0.56	214	1	0.01	19	700	14	0.03	<2	3	23
22118408		<10	<1	0.10	10	0.49	228	1	0.01	17	720	13	0.01	<2	3	18
22118409		<10	<1	0.05	10	0.47	194	1	0.01	16	640	11	0.02	<2	2	19
22118410		<10	<1	0.05	10	0.46	314	1	0.01	18	720	10	0.02	<2	3	22
22118411		10	<1	0.05	10	0.54	432	1	0.01	23	760	11	0.02	<2	4	31
22118412		<10	<1	0.08	10	0.75	468	2	0.02	35	840	12	0.01	2	4	60
22118413		<10	<1	0.07	10	0.61	416	1	0.02	28	860	10	0.02	<2	4	39
22118414		<10	<1	0.07	10	0.69	451	1	0.02	33	800	12	0.02	3	4	44
22118415		<10	<1	0.05	10	0.53	396	1	0.01	23	790	10	0.02	<2	3	31
22118416		<10	<1	0.06	10	0.64	395	1	0.02	28	740	10	0.03	<2	4	44
22118417		<10	<1	0.06	10	0.63	469	1	0.02	29	800	11	0.01	<2	4	37
22118418		<10	<1	0.07	10	0.76	407	1	0.02	32	890	11	0.02	<2	4	42
22118419		10	<1	0.15	30	0.68	355	1	0.01	24	280	13	<0.01	<2	5	20
22118420		10	<1	0.16	20	0.57	290	2	0.01	21	380	12	0.01	<2	4	16
22118421		10	<1	0.19	30	0.63	383	3	<0.01	27	560	15	0.01	<2	6	26
22118422		10	<1	0.13	30	0.59	397	2	0.01	27	630	14	0.01	<2	6	25



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
Zn							2	
22118383		20	0.16	<10	<10	51	<10	90
22118384		20	0.23	<10	<10	53	<10	105
22118385		20	0.15	<10	<10	35	<10	98
22118386		20	0.15	<10	<10	36	<10	86
22118387		20	0.17	<10	<10	31	<10	89
22118388		<20	0.10	<10	<10	55	<10	77
22118389		<20	0.15	<10	<10	59	<10	95
22118390		<20	0.08	<10	<10	55	<10	67
22118391		<20	0.09	<10	<10	53	<10	62
22118392		<20	0.09	<10	<10	59	<10	73
22118393		<20	0.08	<10	<10	54	<10	71
22118394		<20	0.07	<10	<10	48	<10	66
22118395		<20	0.08	<10	<10	48	<10	73
22118396		<20	0.07	<10	<10	48	<10	66
22118397		<20	0.11	<10	<10	38	<10	64
22118398		<20	0.09	<10	<10	32	<10	56
22118399		<20	0.13	<10	<10	57	<10	80
22118400		<20	0.18	<10	<10	73	<10	107
22118401		<20	0.20	<10	<10	64	<10	65
22118402		<20	0.11	<10	<10	58	<10	62
22118403		<20	0.08	<10	<10	57	<10	59
22118404		<20	0.09	<10	<10	63	<10	62
22118405		<20	0.08	<10	<10	52	<10	61
22118406		<20	0.08	<10	<10	51	<10	58
22118407		<20	0.08	<10	<10	48	<10	64
22118408		<20	0.07	<10	<10	47	10	73
22118409		<20	0.05	<10	<10	49	<10	63
22118410		<20	0.06	<10	<10	47	<10	65
22118411		<20	0.05	<10	<10	54	<10	68
22118412		<20	0.07	<10	<10	54	<10	83
22118413		<20	0.06	<10	<10	54	<10	80
22118414		<20	0.07	<10	<10	56	<10	84
22118415		<20	0.06	<10	<10	52	<10	69
22118416		<20	0.07	<10	<10	52	<10	76
22118417		<20	0.07	<10	<10	55	<10	73
22118418		<20	0.07	<10	<10	55	<10	88
22118419		<20	0.14	<10	<10	62	<10	78
22118420		<20	0.13	<10	<10	57	<10	73
22118421		<20	0.12	<10	<10	70	<10	97
22118422		<20	0.10	<10	<10	63	<10	91



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
22118423		0.30	<0.001	0.2	1.65	16	<10	390	<0.5	<2	0.31	<0.5	9	33	32	2.93
22118424		0.53	0.018	<0.2	2.28	5	<10	290	0.8	2	0.32	<0.5	12	70	24	3.47
22118425		0.47	0.002	<0.2	2.35	9	<10	150	0.9	<2	0.37	<0.5	13	40	19	3.94
22118426		0.38	0.001	<0.2	2.92	9	<10	410	0.6	<2	0.45	<0.5	18	178	25	4.25
22118427		0.42	0.002	<0.2	2.37	7	<10	220	0.7	<2	0.36	<0.5	13	46	26	4.04
22118428		0.48	<0.001	<0.2	2.52	10	<10	180	0.5	<2	0.24	<0.5	11	43	20	3.83
22118429		0.42	<0.001	<0.2	2.71	8	<10	320	0.6	<2	0.49	<0.5	15	53	20	4.28
22118430		0.44	<0.001	<0.2	1.91	7	<10	180	<0.5	<2	0.34	<0.5	9	47	14	3.02
22118431		0.46	0.001	<0.2	1.87	7	<10	300	<0.5	<2	0.40	<0.5	11	46	16	3.06
22118432		0.43	0.003	0.2	1.40	9	<10	420	<0.5	<2	0.77	<0.5	11	30	36	2.58
22118433		0.38	<0.001	<0.2	1.23	5	<10	320	<0.5	<2	0.66	<0.5	7	28	24	2.10
22118444		0.34	<0.001	<0.2	1.57	10	<10	270	<0.5	<2	0.30	<0.5	7	30	22	2.65
22118445		0.41	0.001	<0.2	1.34	10	<10	450	<0.5	<2	1.08	<0.5	10	29	29	2.71
22118446		0.25	<0.001	<0.2	1.13	6	<10	170	<0.5	<2	0.35	<0.5	6	23	12	2.01
22118447		0.33	<0.001	<0.2	1.85	6	<10	260	<0.5	<2	0.36	<0.5	8	46	13	2.89
22118448		0.38	0.006	<0.2	0.33	10	<10	200	1.1	<2	0.18	<0.5	3	5	21	1.90
22118449		0.32	0.004	1.2	1.19	65	<10	1060	0.5	<2	0.54	1.1	14	36	83	2.54
22118450		0.25	<0.001	0.2	1.39	6	<10	360	<0.5	<2	0.66	<0.5	11	65	22	2.36
22118451		0.35	<0.001	0.2	1.66	5	<10	320	<0.5	<2	0.68	<0.5	14	79	28	2.63
22118452		0.37	0.002	<0.2	1.36	9	<10	360	<0.5	<2	0.78	<0.5	11	34	30	2.72
22118453		0.29	<0.001	<0.2	1.31	8	<10	280	<0.5	<2	0.42	<0.5	11	30	18	2.48
22118454		0.22	<0.001	<0.2	1.35	9	<10	300	<0.5	<2	0.38	<0.5	23	31	17	2.83





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Project: EUREKA

**CERTIFICATE OF ANALYSIS WH17159535**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
22118423		<10	<1	0.07	20	0.48	292	2	0.01	23	760	13	0.01	2	5
22118424		10	<1	0.65	60	0.93	333	1	0.01	25	790	16	<0.01	<2	5
22118425		10	<1	0.82	80	0.86	511	1	0.01	23	890	23	0.01	<2	6
22118426		10	1	0.61	80	1.61	446	1	0.01	34	1010	13	<0.01	<2	8
22118427		10	<1	0.52	40	0.94	473	1	0.01	20	1060	13	0.02	<2	6
22118428		10	<1	0.29	30	0.77	353	1	0.01	23	790	13	<0.01	<2	4
22118429		10	<1	0.78	30	1.21	524	1	0.01	22	1240	12	0.01	<2	6
22118430		10	<1	0.22	20	0.80	299	1	0.01	17	810	11	0.02	<2	4
22118431		10	<1	0.32	30	0.83	363	1	0.01	19	940	11	0.02	<2	5
22118432		<10	<1	0.06	10	0.62	265	1	0.02	29	700	12	0.03	<2	4
22118433		<10	<1	0.05	10	0.52	285	1	0.02	22	700	8	0.03	<2	3
22118444		<10	<1	0.08	20	0.55	218	1	0.01	19	740	11	0.02	<2	3
22118445		<10	<1	0.08	10	0.74	448	1	0.02	27	840	12	0.02	<2	4
22118446		<10	<1	0.10	20	0.42	160	1	0.01	16	820	11	0.04	2	2
22118447		10	<1	0.27	20	0.81	306	<1	0.01	16	850	9	0.03	<2	4
22118448		<10	1	0.11	50	0.06	359	7	<0.01	6	430	29	0.01	7	3
22118449		<10	<1	0.08	20	0.34	1085	5	0.01	47	1030	24	0.06	2	4
22118450		<10	<1	0.17	30	0.75	475	1	0.01	50	760	13	0.07	<2	3
22118451		10	<1	0.23	30	0.93	405	2	0.01	61	740	18	0.07	<2	4
22118452		<10	<1	0.07	10	0.63	325	1	0.02	30	860	10	0.04	2	4
22118453		<10	<1	0.05	10	0.45	454	1	0.01	19	770	11	0.04	<2	3
22118454		<10	<1	0.08	10	0.49	1285	2	0.01	17	780	13	0.03	2	3



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Project: EUREKA

**CERTIFICATE OF ANALYSIS WH17159535**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
22118423		<20	0.08	<10	<10	53	<10	73
22118424		<20	0.15	<10	<10	47	<10	82
22118425		20	0.17	<10	<10	47	<10	91
22118426		<20	0.13	<10	<10	73	<10	104
22118427		<20	0.13	<10	<10	59	<10	94
22118428		<20	0.11	<10	<10	65	<10	78
22118429		<20	0.19	<10	<10	71	<10	102
22118430		<20	0.12	<10	<10	53	<10	80
22118431		<20	0.13	<10	<10	53	<10	83
22118432		<20	0.06	<10	<10	52	<10	77
22118433		<20	0.06	<10	<10	44	<10	66
22118444		<20	0.08	<10	<10	48	<10	77
22118445		<20	0.08	<10	<10	48	<10	83
22118446		<20	0.07	<10	<10	43	<10	54
22118447		<20	0.13	<10	<10	51	<10	79
22118448		30	0.01	<10	<10	5	<10	44
22118449		<20	0.03	<10	<10	63	<10	106
22118450		<20	0.08	<10	<10	42	<10	66
22118451		<20	0.09	<10	10	47	<10	74
22118452		<20	0.08	<10	<10	53	<10	77
22118453		<20	0.05	<10	<10	47	<10	71
22118454		<20	0.07	<10	<10	54	<10	70



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Project: EUREKA

**CERTIFICATE OF ANALYSIS WH17159535**

### CERTIFICATE COMMENTS

#### 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- ICP41



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**CERTIFICATE WH17159516**

Project: EUREKA

This report is for 3 Rock samples submitted to our lab in Whitehorse, YT, Canada on 31-JUL- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE	MATT DUMALA	JOAN MARIACHER
--------------	-------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

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



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**CERTIFICATE OF ANALYSIS WH17159516**

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K293404		1.96	<0.001	0.5	0.16	1995	<10	120	0.8	<2	0.05	0.9	4	20	71	11.55
K293405		1.92	0.013	0.5	0.18	15	<10	210	<0.5	<2	0.01	<0.5	2	37	8	0.90
K293406		1.08	0.001	0.2	0.42	750	<10	180	0.8	<2	0.01	<0.5	<1	15	82	5.74



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CERTIFICATE OF ANALYSIS	WH17159516
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	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
K293404		<10	9	0.01	10	0.01	276	10	<0.01	69	2040	10	0.02	500	<1	16
K293405		<10	1	0.02	<10	0.01	113	25	<0.01	7	170	57	0.05	2	1	12
K293406		<10	1	0.08	10	0.01	27	1	<0.01	11	1600	12	0.02	19	1	9



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**CERTIFICATE OF ANALYSIS WH17159516**

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		20	0.01	10	10	1	10	2
K293404		<20	<0.01	<10	<10	27	<10	123
K293405		<20	<0.01	<10	<10	11	<10	14
K293406		<20	<0.01	<10	<10	42	<10	91



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**CERTIFICATE OF ANALYSIS WH17159516**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU- 31	CRU- QC	LOG- 21
	PUL- QC	SPL- 21	WEI- 21
			PUL- 31
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au- ICP21	ME- ICP41	



# TRIFECTA GOLD LTD.

FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## PROPERTY LOCATION

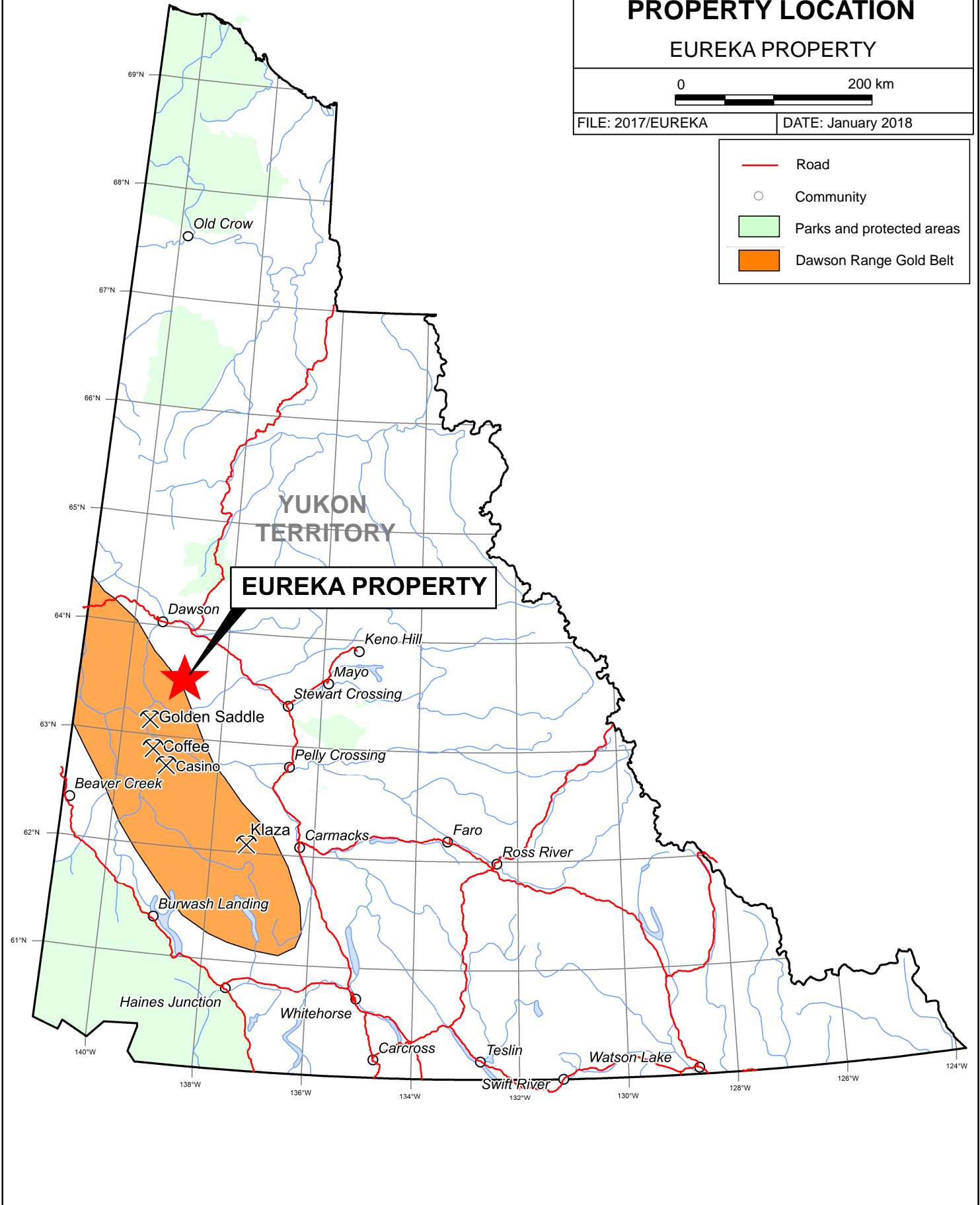
EUREKA PROPERTY

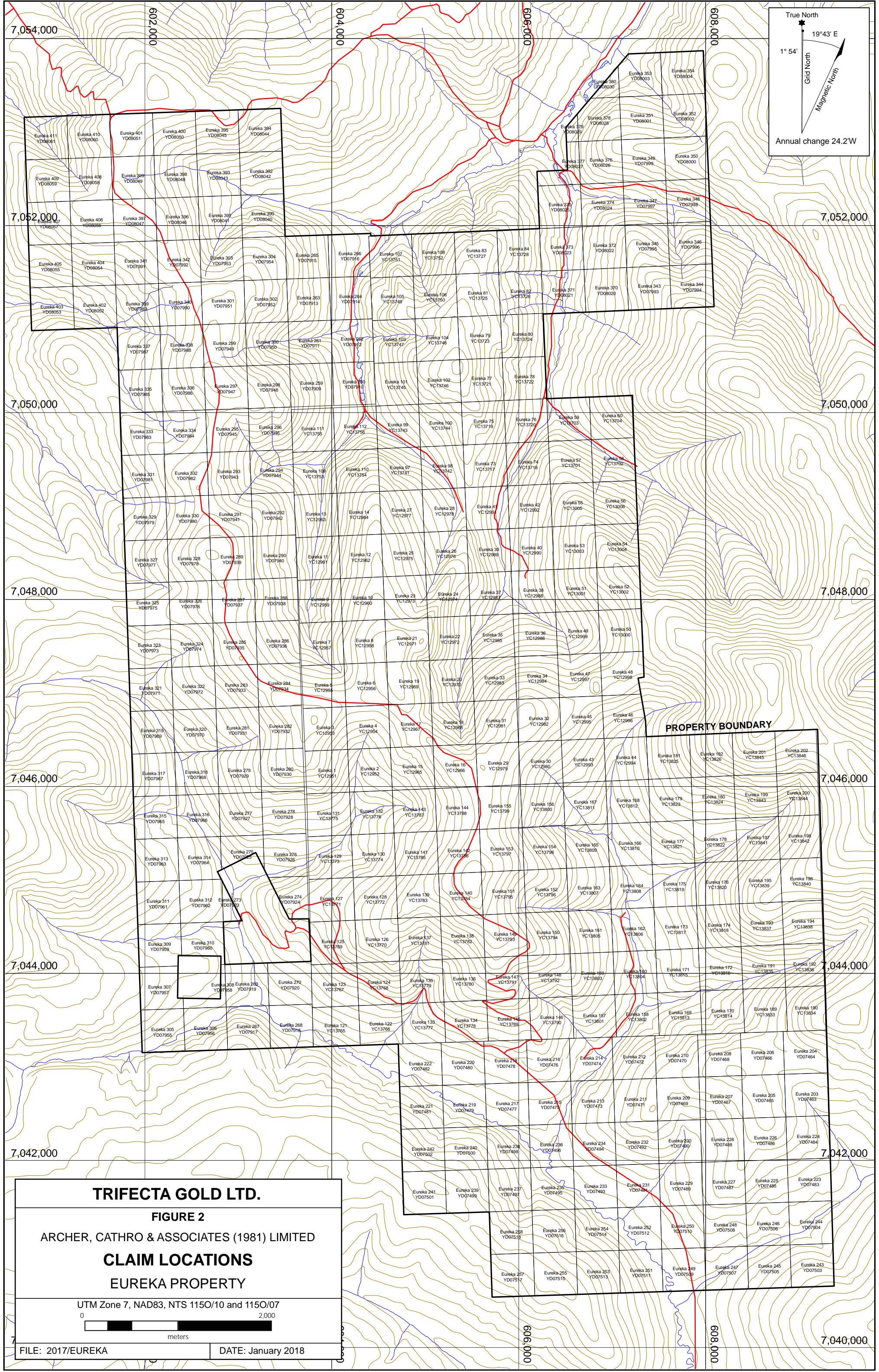


FILE: 2017/EUREKA

DATE: January 2018

- Road
- Community
- Parks and protected areas
- Dawson Range Gold Belt





True North  
 19°43' E  
 Grid North  
 Magnetic North  
 Annual change 24.2' W

**PROPERTY BOUNDARY**

**TRIFECTA GOLD LTD.**

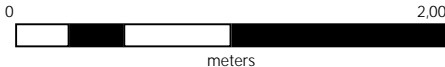
**FIGURE 2**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATIONS**

**EUREKA PROPERTY**

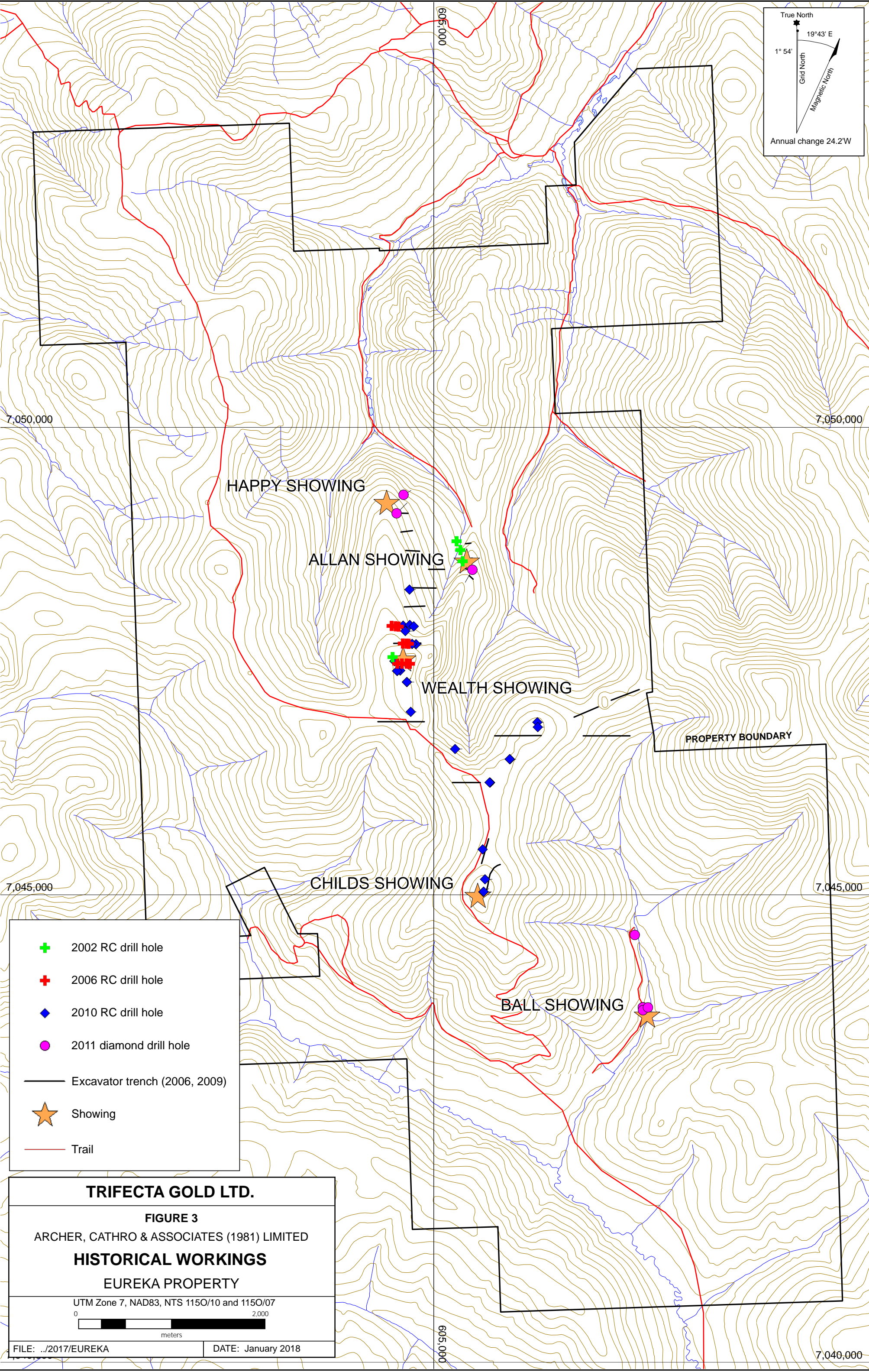
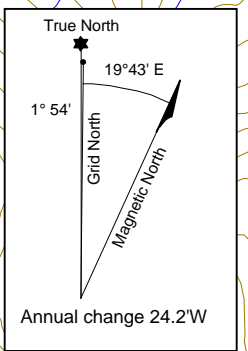
UTM Zone 7, NAD83, NTS 1150/10 and 1150/07



FILE: 2017/EUREKA

DATE: January 2018

7,040,000



- + 2002 RC drill hole
- + 2006 RC drill hole
- ◆ 2010 RC drill hole
- 2011 diamond drill hole
- Excavator trench (2006, 2009)
- ★ Showing
- Trail

**TRIFECTA GOLD LTD.**

**FIGURE 3**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**HISTORICAL WORKINGS**

EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07

0 2,000

meters

FILE: ../2017/EUREKA      DATE: January 2018

7,040,000

# TRIFECTA GOLD LTD.

FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

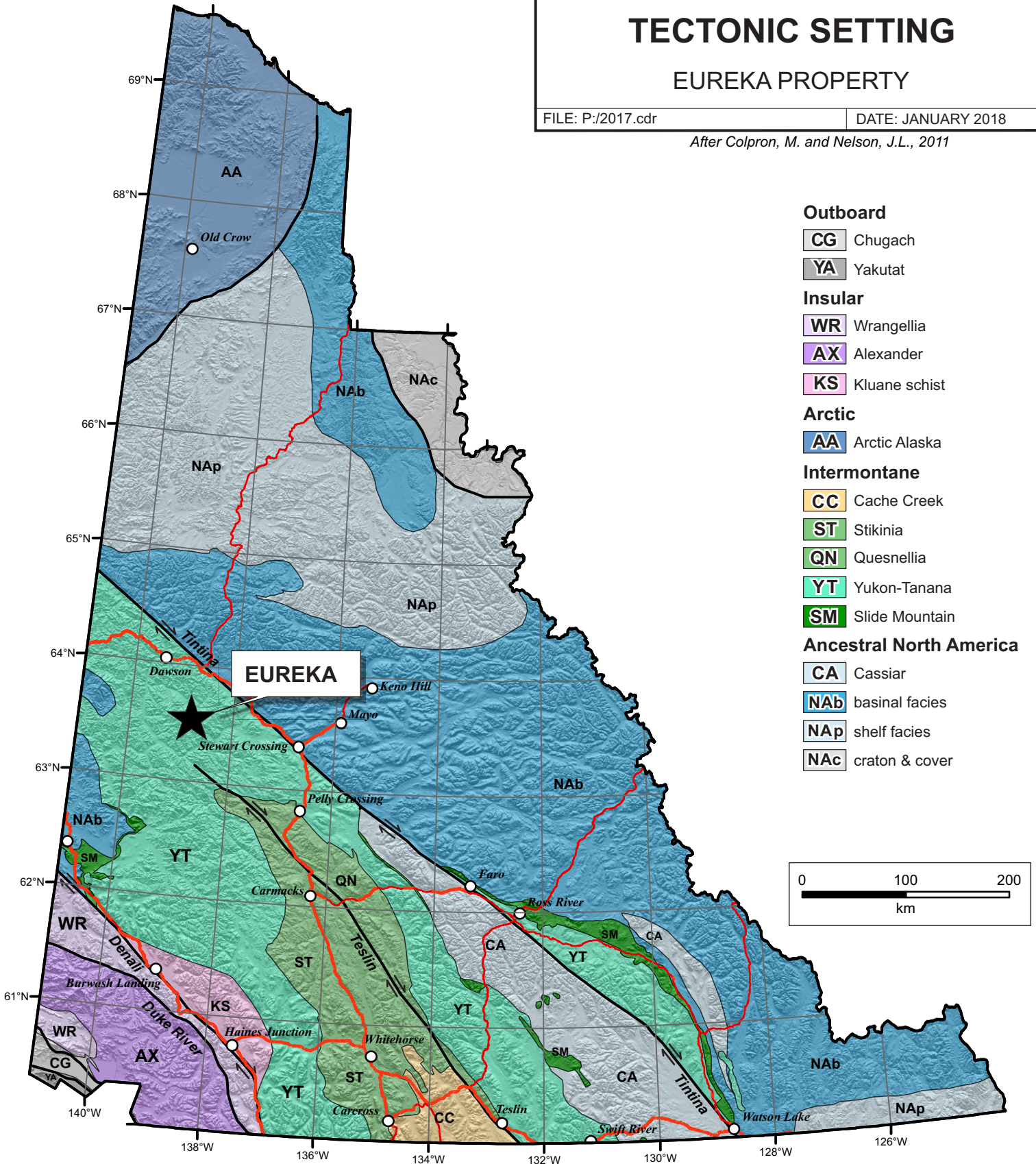
## TECTONIC SETTING

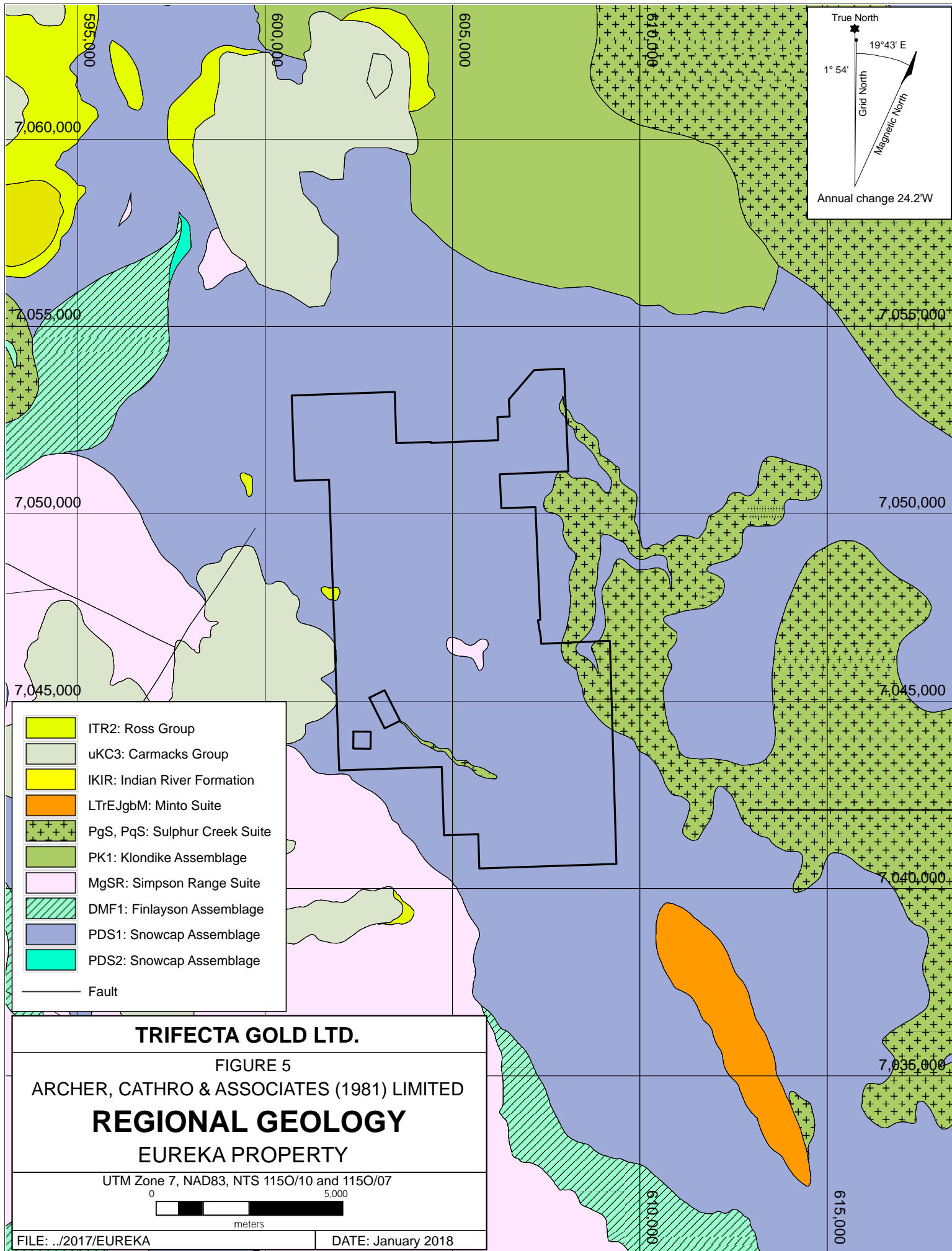
### EUREKA PROPERTY

FILE: P:/2017.cdr

DATE: JANUARY 2018

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





**TRIFECTA GOLD LTD.**

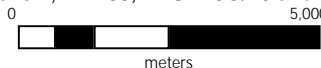
FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**REGIONAL GEOLOGY**

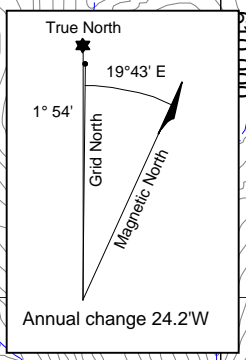
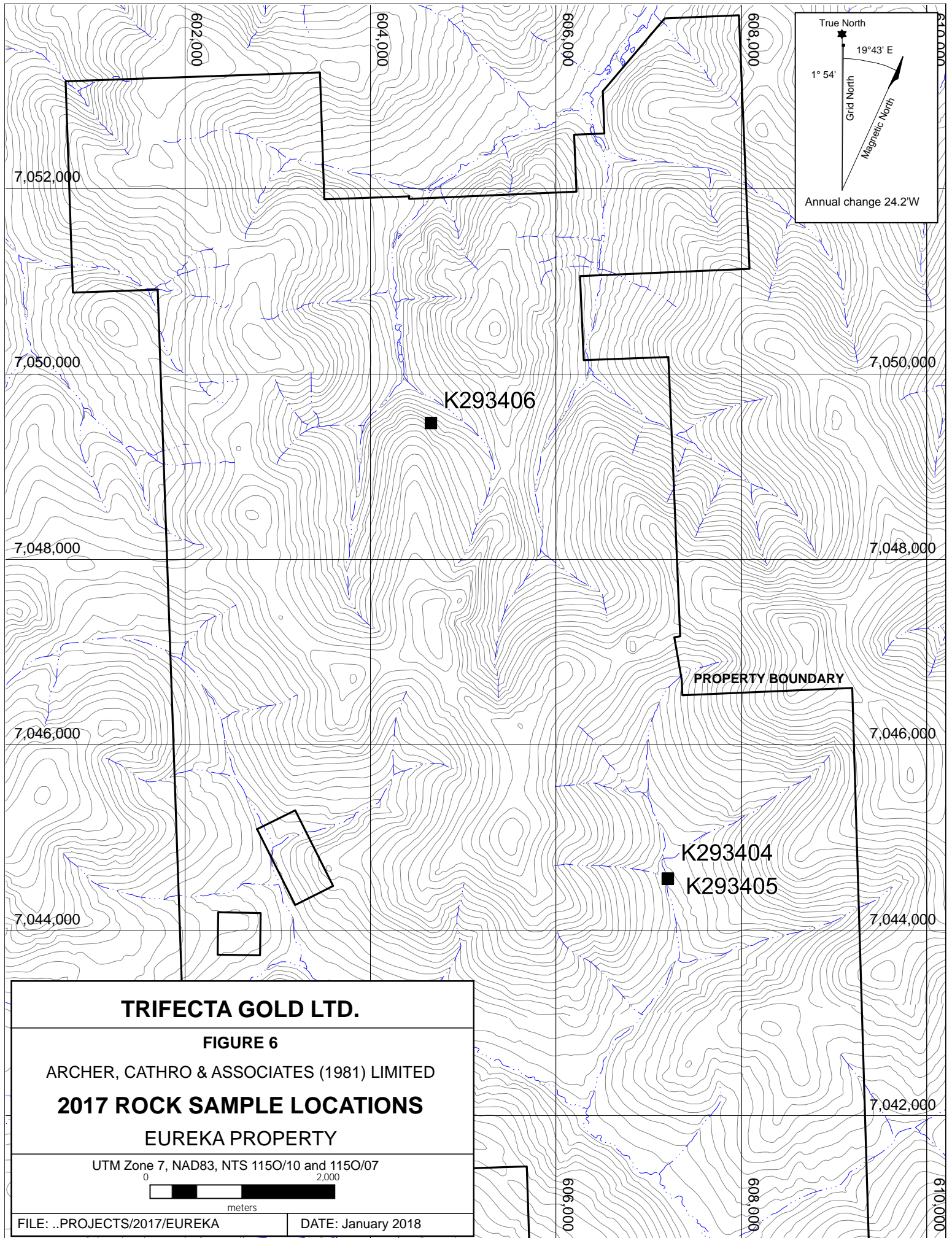
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FILE: ../2017/EUREKA

DATE: January 2018



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**FIGURE 6**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**2017 ROCK SAMPLE LOCATIONS**

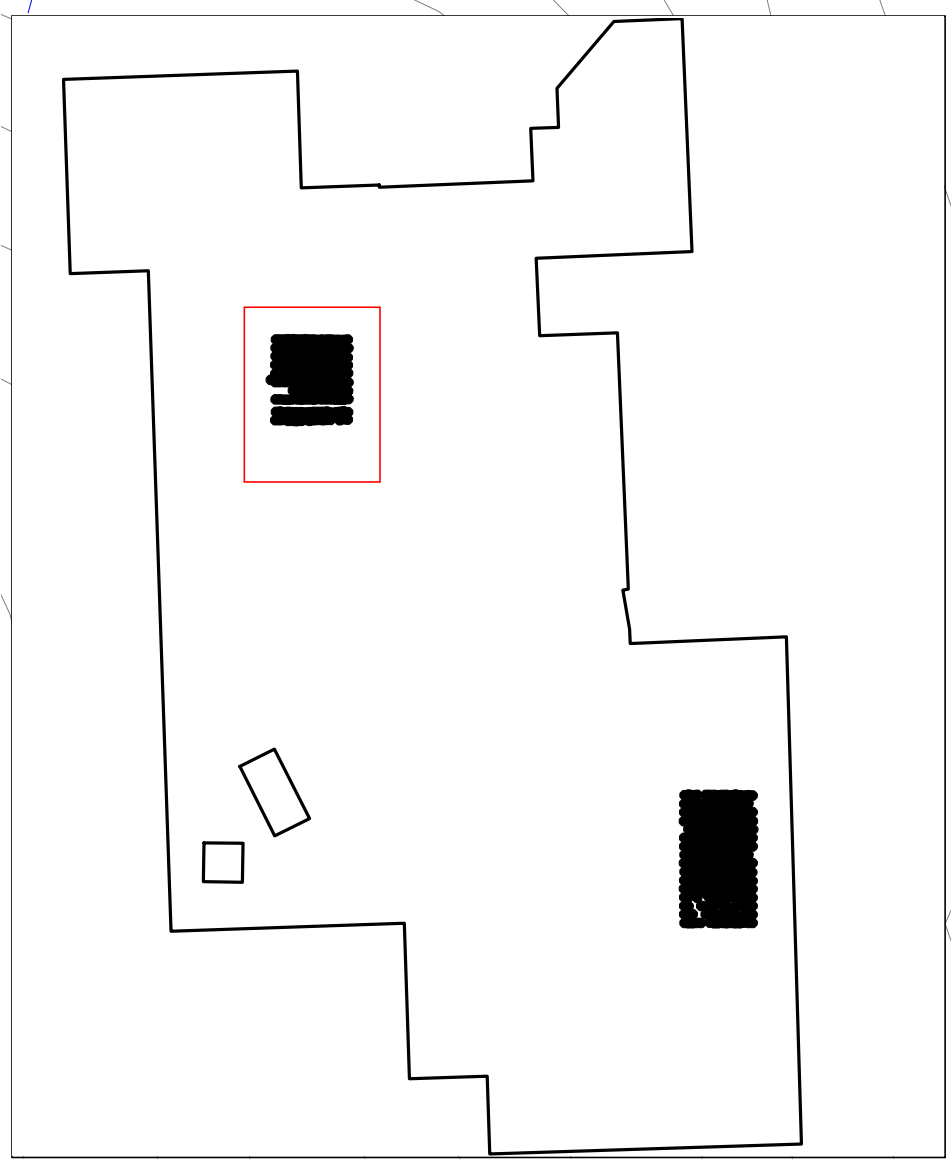
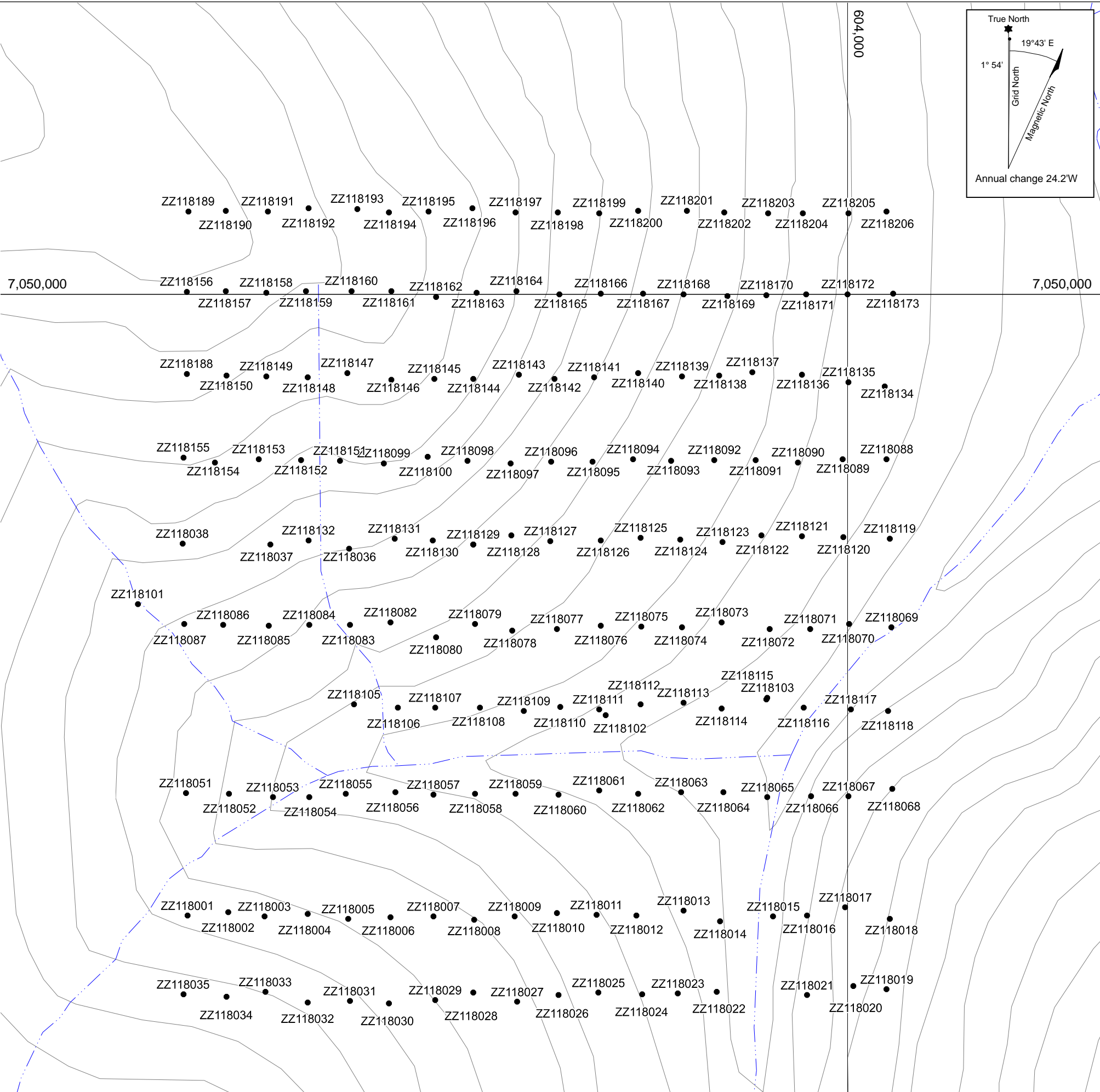
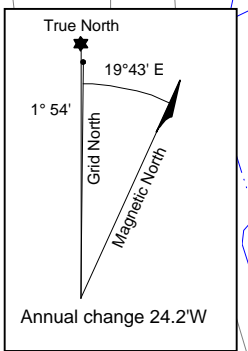
EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07

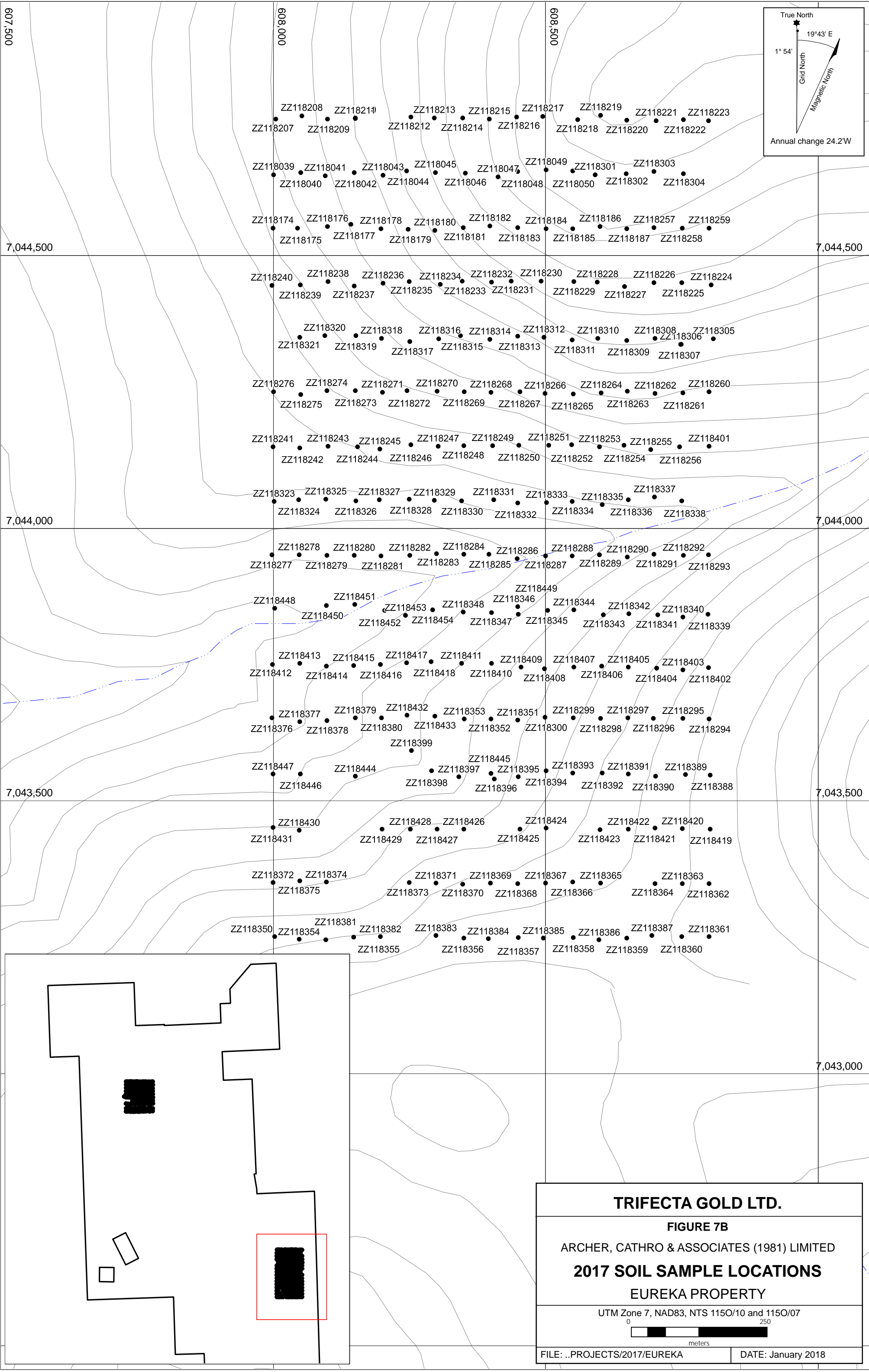
0 2,000

meters

FILE: ..PROJECTS/2017/EUREKA      DATE: January 2018

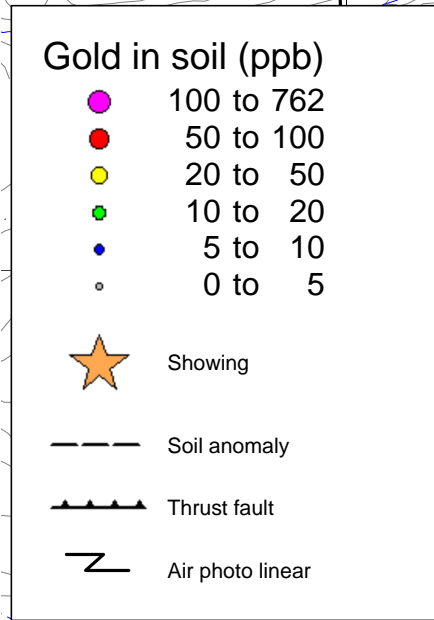
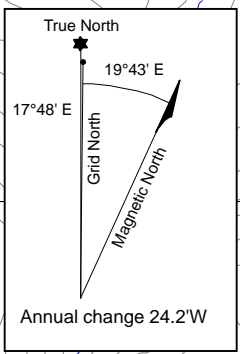
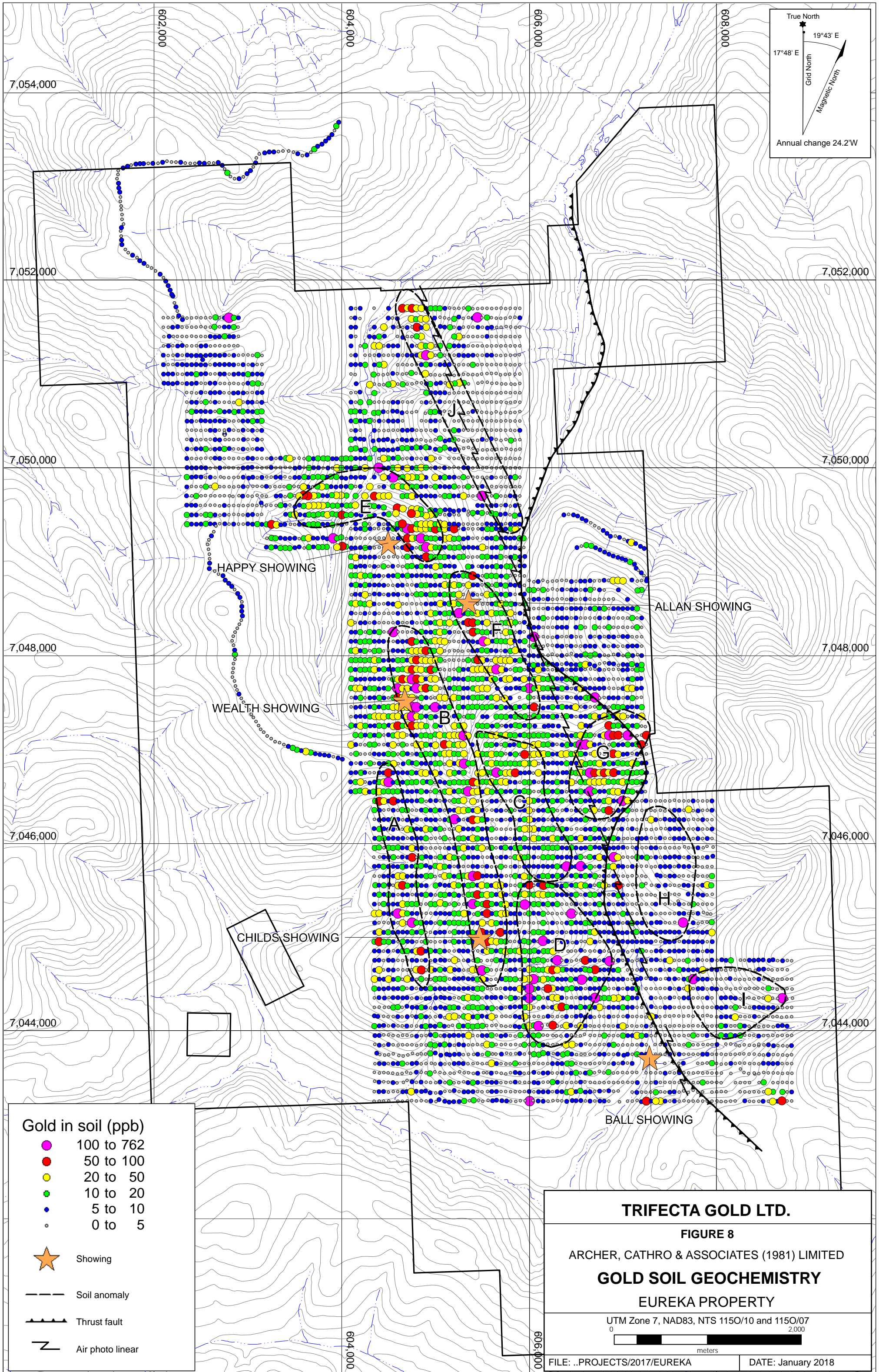


<b>TRIFECTA GOLD LTD.</b>	
<b>FIGURE 7A</b>	
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
<b>2017 SOIL SAMPLE LOCATIONS</b>	
EUREKA PROPERTY	
UTM Zone 7, NAD83, NTS 1150/10 and 1150/07	
 0 250 meters	
FILE: ..PROJECTS/2017/EUREKA	DATE: January 2018



<b>TRIFECTA GOLD LTD.</b>	
<b>FIGURE 7B</b>	
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
<b>2017 SOIL SAMPLE LOCATIONS</b>	
EUREKA PROPERTY	
UTM Zone 7, NAD83, NTS 1150/10 and 1150/07	
 meters	
FILE: ..PROJECTS/2017/EUREKA	DATE: January 2018





**TRIFECTA GOLD LTD.**

**FIGURE 8**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**GOLD SOIL GEOCHEMISTRY**

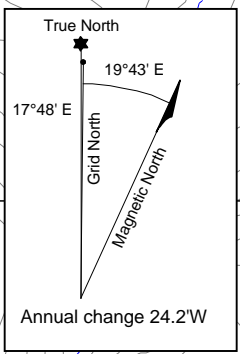
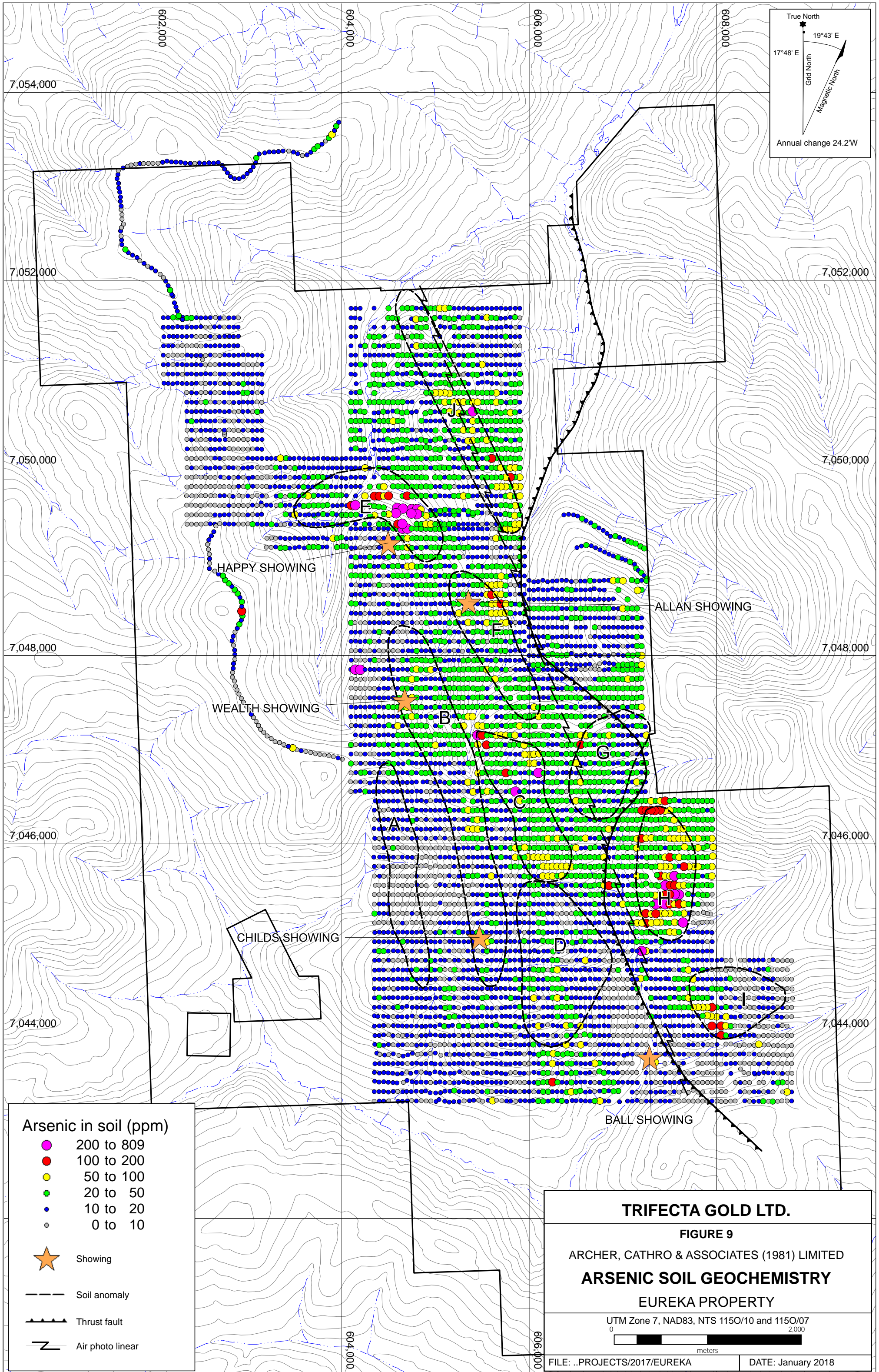
EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07

0  2,000

meters

FILE: ..PROJECTS/2017/EUREKA      DATE: January 2018



**Arsenic in soil (ppm)**

- 200 to 809
- 100 to 200
- 50 to 100
- 20 to 50
- 10 to 20
- 0 to 10

- ★ Showing
- Soil anomaly
- ▬▬▬ Thrust fault
- Air photo linear

**TRIFECTA GOLD LTD.**

**FIGURE 9**

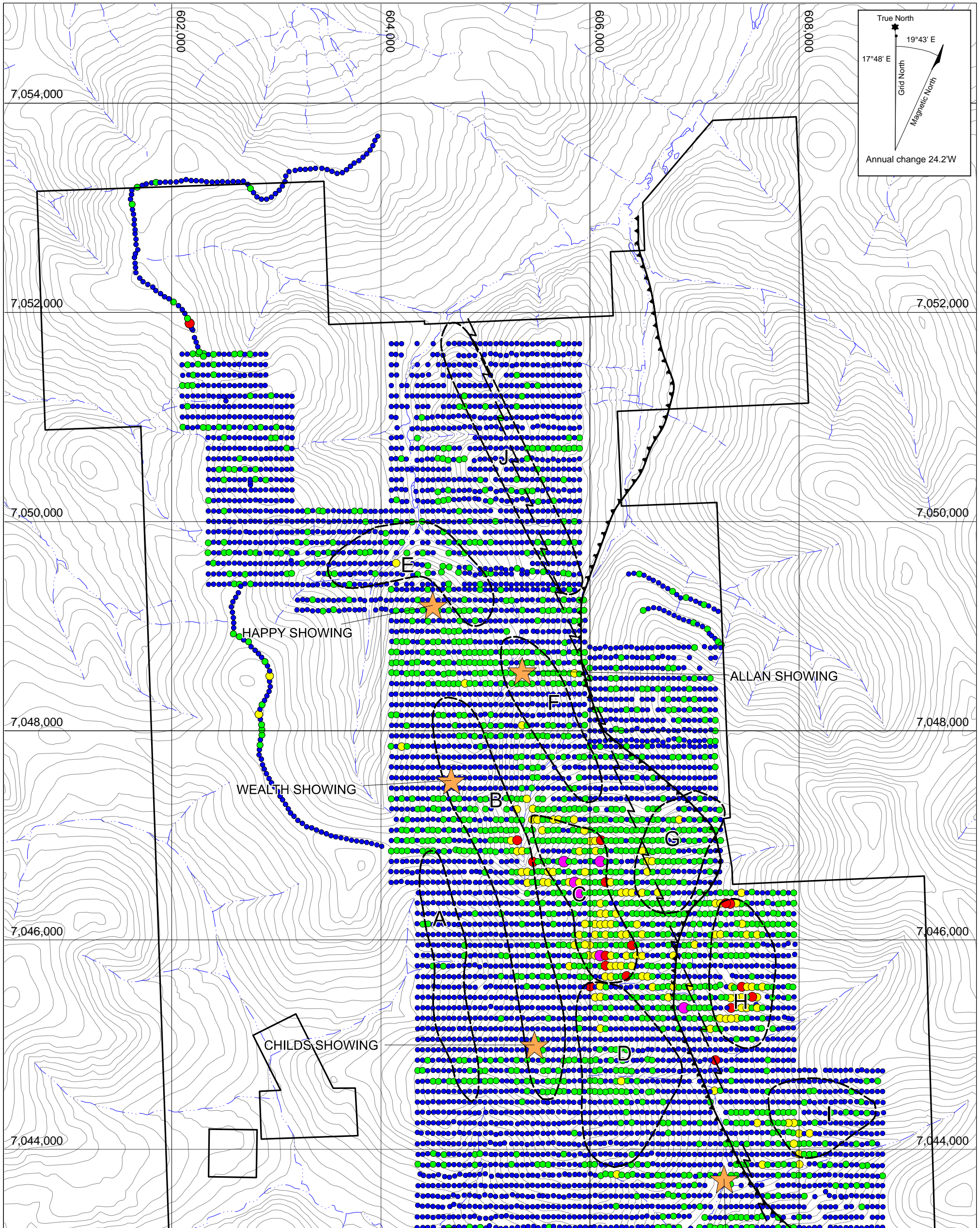
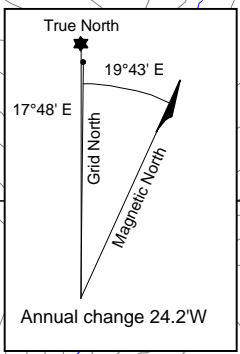
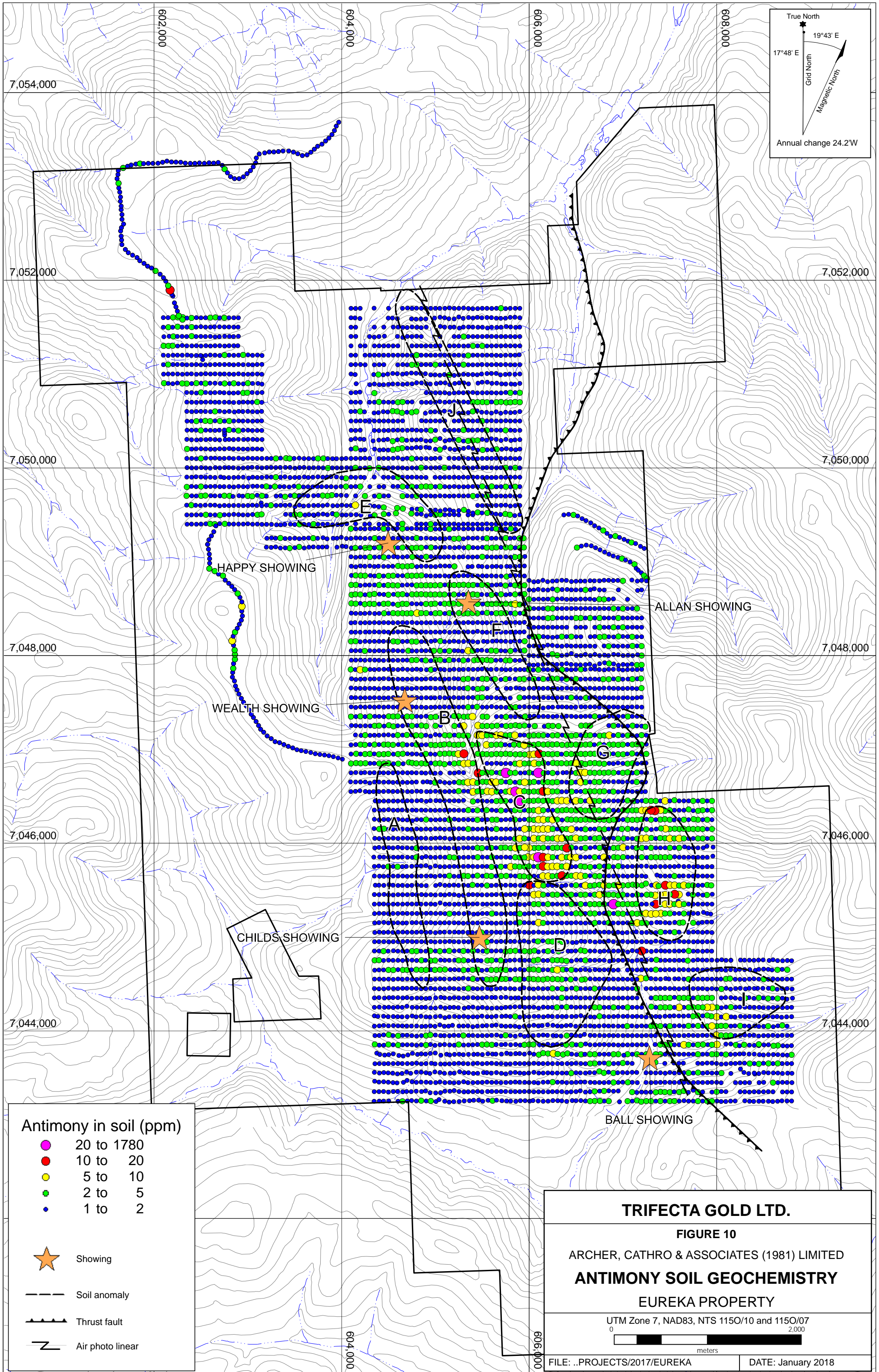
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ARSENIC SOIL GEOCHEMISTRY**

EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07  
0 2,000  
meters

FILE: ..PROJECTS/2017/EUREKA      DATE: January 2018



**Antimony in soil (ppm)**

- 20 to 1780
- 10 to 20
- 5 to 10
- 2 to 5
- 1 to 2

★ Showing

--- Soil anomaly

▬▬▬ Thrust fault

— Air photo linear

**TRIFECTA GOLD LTD.**

**FIGURE 10**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ANTIMONY SOIL GEOCHEMISTRY**

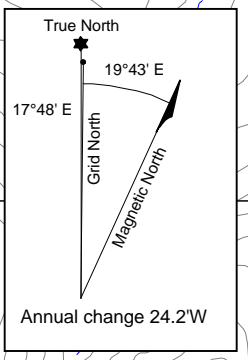
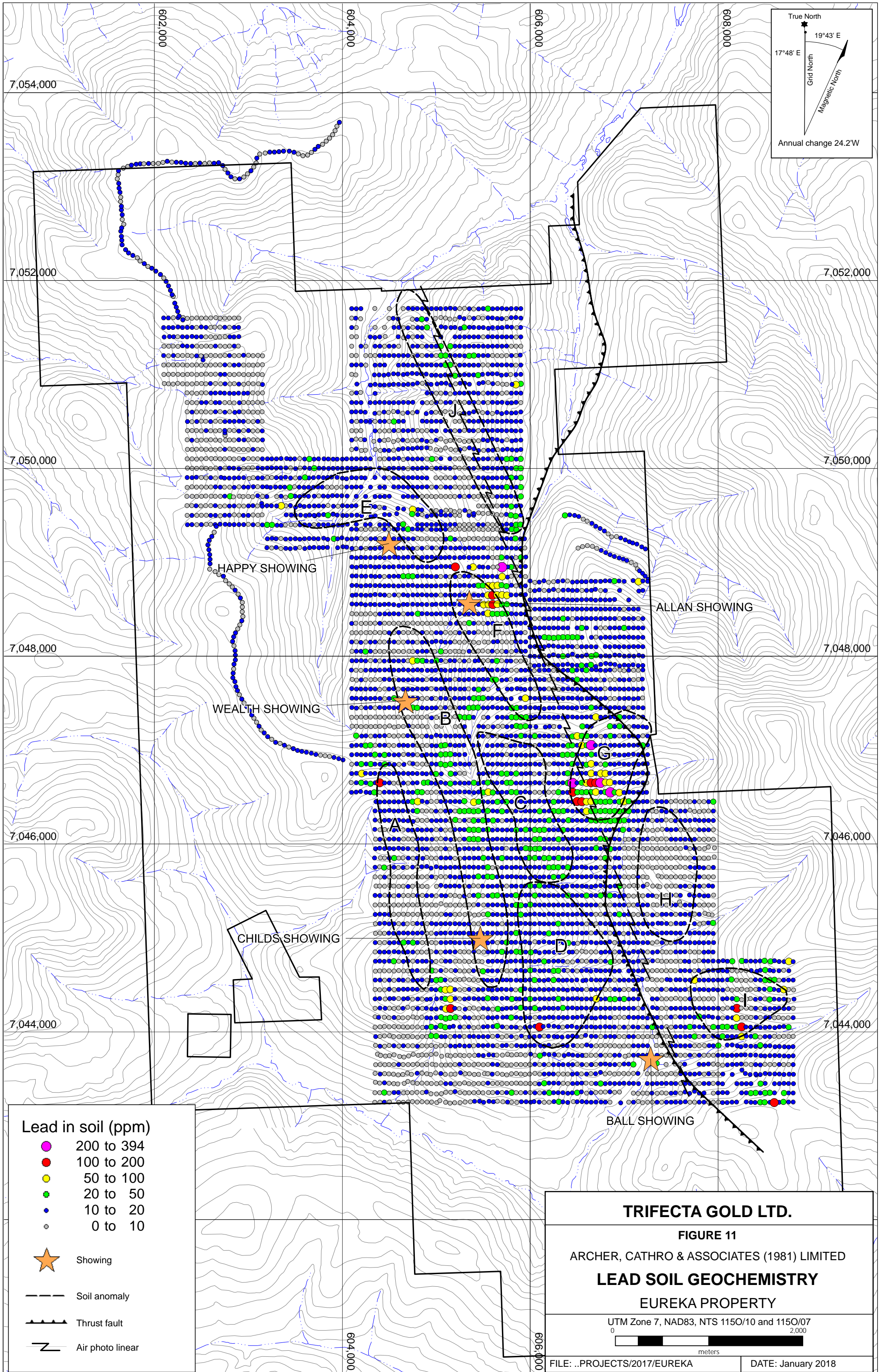
EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07  
0 2,000



FILE: ..PROJECTS/2017/EUREKA

DATE: January 2018



Lead in soil (ppm)	
<span style="color: magenta;">●</span>	200 to 394
<span style="color: red;">●</span>	100 to 200
<span style="color: yellow;">●</span>	50 to 100
<span style="color: green;">●</span>	20 to 50
<span style="color: blue;">●</span>	10 to 20
<span style="color: grey;">●</span>	0 to 10
<span style="color: orange;">★</span>	Showing
	Soil anomaly
	Thrust fault
	Air photo linear

**TRIFECTA GOLD LTD.**

**FIGURE 11**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

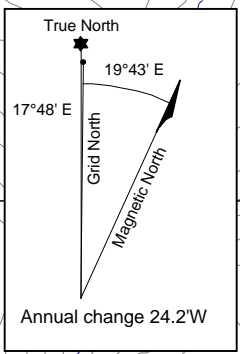
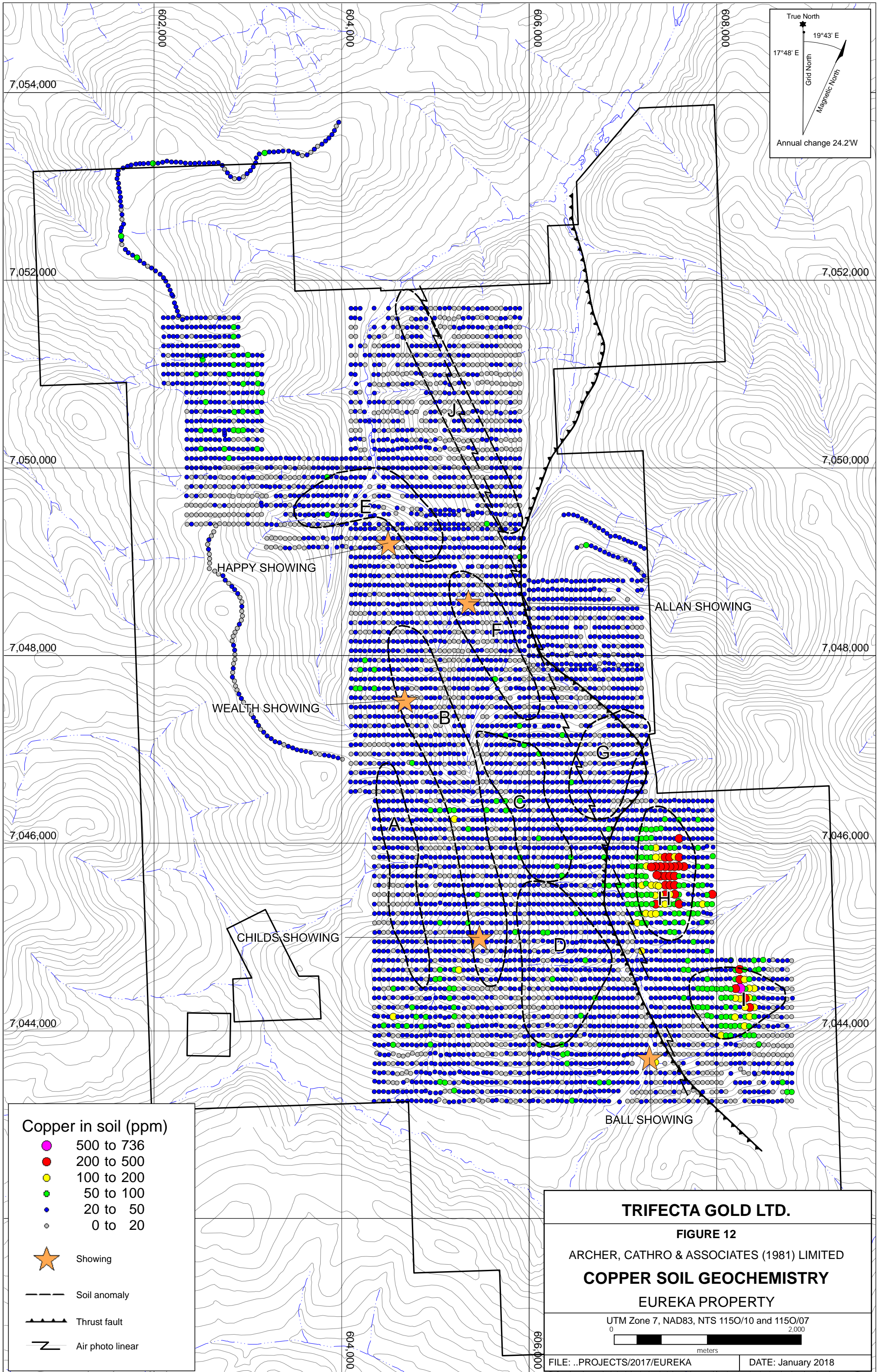
**LEAD SOIL GEOCHEMISTRY**

EUREKA PROPERTY

---

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07  
0 2,000  
meters

FILE: ..PROJECTS/2017/EUREKA      DATE: January 2018



**Copper in soil (ppm)**

- 500 to 736
- 200 to 500
- 100 to 200
- 50 to 100
- 20 to 50
- 0 to 20

★ Showing

--- Soil anomaly

▬▬▬ Thrust fault

— Air photo linear

**TRIFECTA GOLD LTD.**

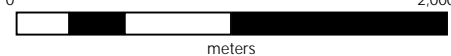
**FIGURE 12**

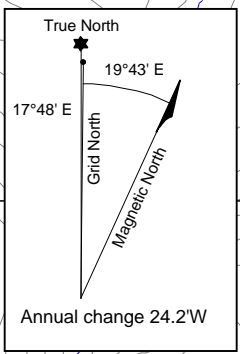
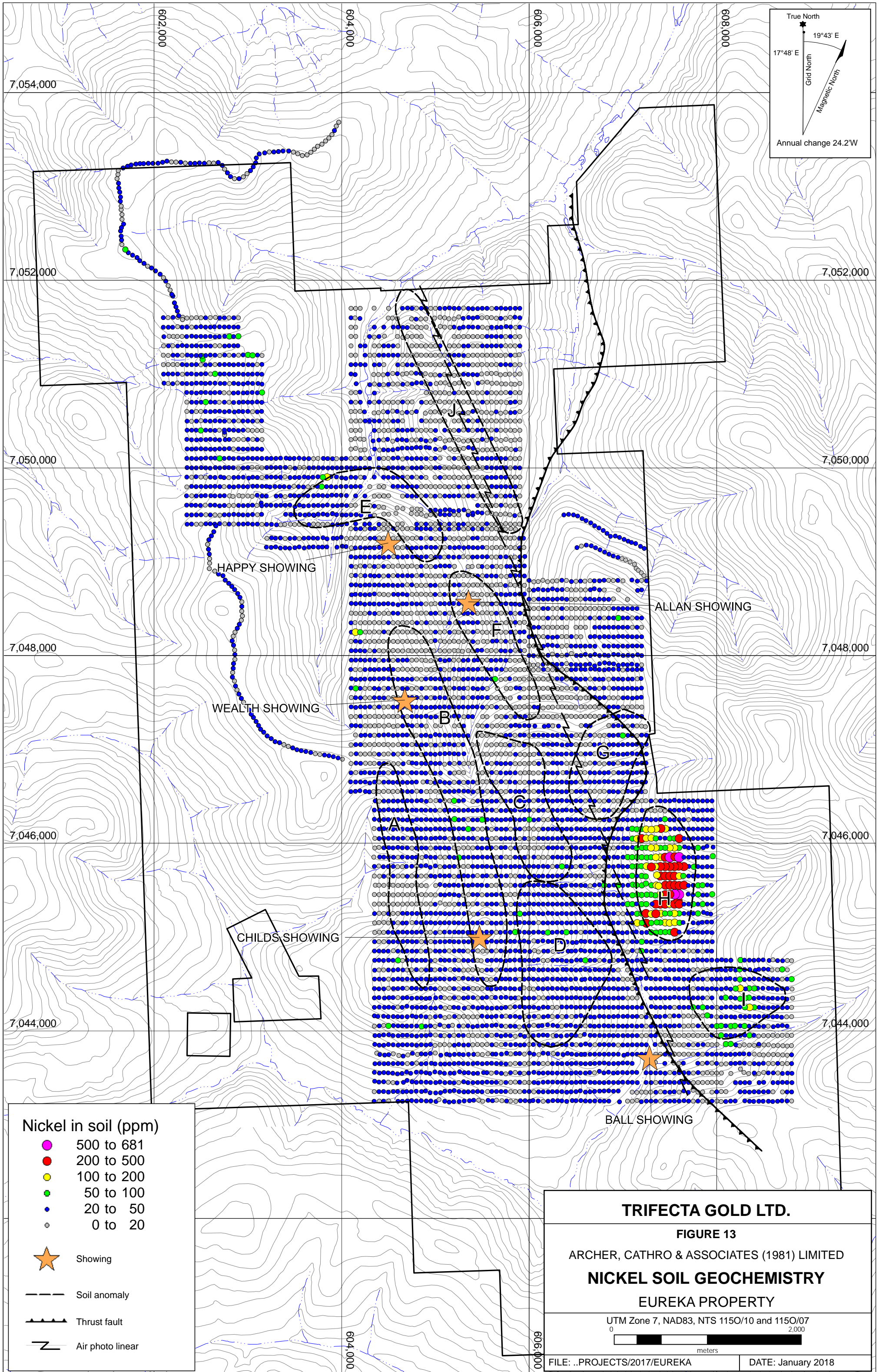
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**COPPER SOIL GEOCHEMISTRY**

EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07  
2,000





**Nickel in soil (ppm)**

- 500 to 681
- 200 to 500
- 100 to 200
- 50 to 100
- 20 to 50
- 0 to 20

- ★ Showing
- Soil anomaly
- ▲▲▲ Thrust fault
- ⌘ Air photo linear

**TRIFECTA GOLD LTD.**

**FIGURE 13**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

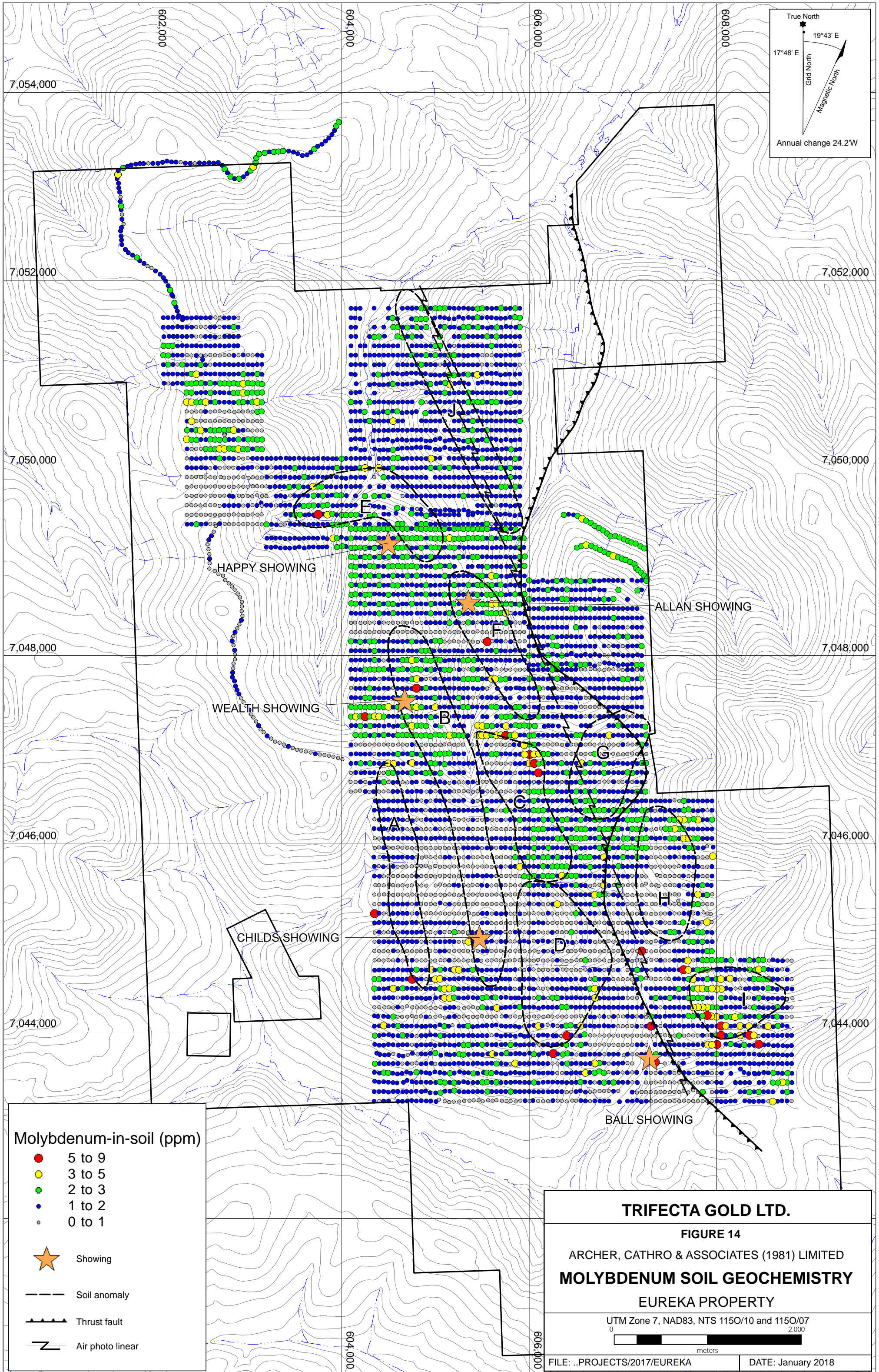
**NICKEL SOIL GEOCHEMISTRY**

EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07  
2,000

0 2,000  
meters

FILE: ..PROJECTS/2017/EUREKA      DATE: January 2018



**Molybdenum-in-soil (ppm)**

- 5 to 9
- 3 to 5
- 2 to 3
- 1 to 2
- 0 to 1

★ Showing

--- Soil anomaly

▬ Thrust fault

⌘ Air photo linear

**TRIFECTA GOLD LTD.**

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**MOLYBDENUM SOIL GEOCHEMISTRY**  
 EUREKA PROPERTY

UTM Zone 7, NAD83, NTS 1150/10 and 1150/07  
 0 2,000

