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YMEP REPORT (21-072)

describing

GEOLOGICAL MAPPING, PROSPECTING AND SOIL GEOCHEMISTRY

Work performed from June 26 to July 4, 2021, and July 29 to August 8, 2021

at the

KOI PROPERTY

KOI 1-90 YE30661-YE30750

NTS 115F/16

Latitude 61°46'N; Longitude 140°13'W

located in the
Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by

S. Israel, B.Sc., M.Sc., Ph.D.

January 2022

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INTRODUCTION

The Koi property covers copper and gold mineralization with characteristics of both porphyry and magmatic copper-nickel-PGE deposit styles. The property is located near Koidern River, within the Kluane Ranges, southwestern Yukon and is owned 100% by Strategic Metals Ltd (Figure 1).

This report describes two separate work programs, nine and eleven days respectively, of detailed geologic mapping, prospecting, and soil geochemistry that were conducted on the Koi property from June 26 to July 4, 2021, and July 29 to August 8, 2021. The work was performed by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author participated in the field program and interpreted the data from the work. The author's Statement of Qualifications is in Appendix I and a Statement of Expenditures is in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Koi property comprises of 90 contiguous mineral claims located 10km west of the Alaska Highway, in between the Donjek and White rivers, southwestern Yukon, at latitude 61° 46' 26.17" N; longitude 140° 13' 46.67" W, on NTS map sheets 115F/16 (Figure 1). The property covers an area of approximately 1900 ha (19 km²) (Figure 2). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
KOI 1-90	YE30661-YE30750	Mar 28, 2026

*Expiry dates include work performed in 2021.

The Koi property is accessible by helicopter from a staging area just off the Alaska Highway, which is located 10km east of the property and approximately 175km northwest of Haines Junction. Access to and from the property in 2021 was via helicopter, operated by Capital Helicopters Ltd of Whitehorse from its seasonal base at the Haines Junction Airport.

HISTORY

No historical exploration work has been reported on the Koi claims. The region in general has seen sporadic work, mainly focused on Triassic mafic-ultramafic intrusions with associated magmatic N-Cu-PGE mineralization.

In 1952 massive sulphide mineralization was discovered in the Kluane Ranges, west of Burwash Landing, roughly 50 km southeast of the Koi property. This discovery eventually led to the definition of the Wellgreen deposit, a large tonnage, low-grade Ni-Cu-PGE deposit hosted in mafic and ultramafic sills of Late Triassic age. The deposit was mined briefly in 1972 by Hudson Bay Exploration and Development Limited (Carne, 1987).

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

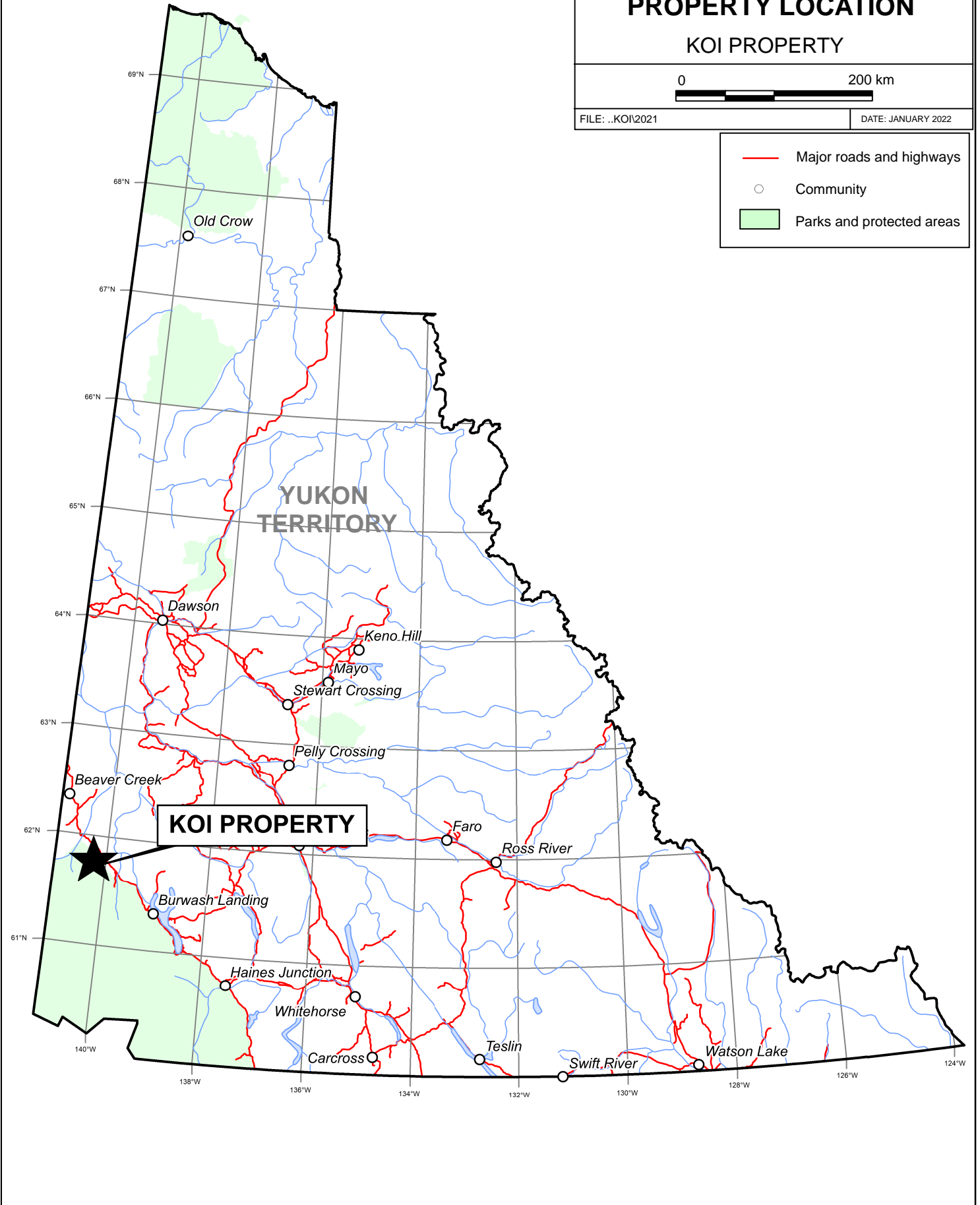
KOI PROPERTY

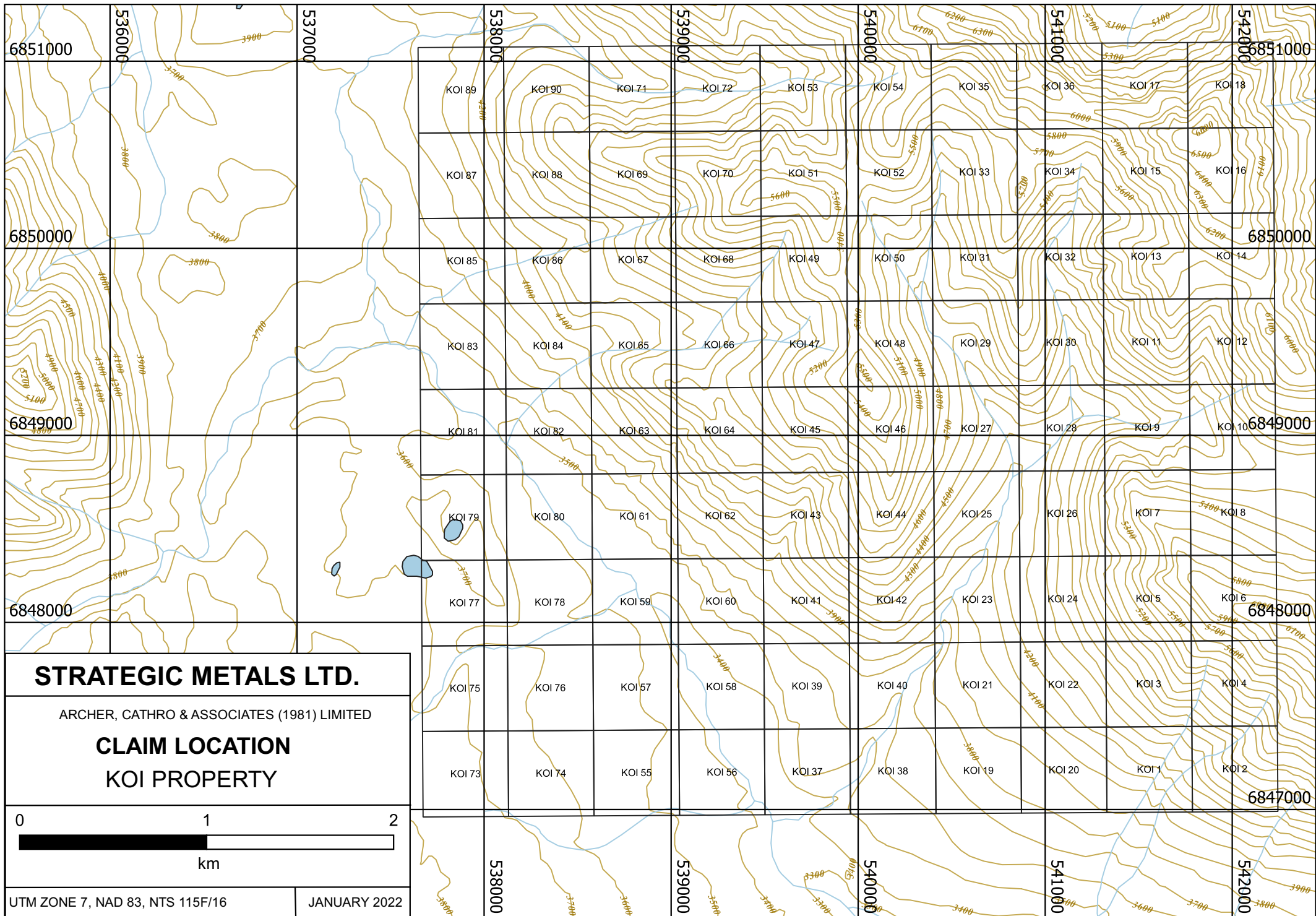


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DATE: JANUARY 2022

- Major roads and highways
- Community
- Parks and protected areas





KOI 89	KOI 90	KOI 71	KOI 72	KOI 53	KOI 54	KOI 35	KOI 36	KOI 17	KOI 18
KOI 87	KOI 88	KOI 69	KOI 70	KOI 51	KOI 52	KOI 33	KOI 34	KOI 15	KOI 16
KOI 85	KOI 86	KOI 67	KOI 68	KOI 49	KOI 50	KOI 31	KOI 32	KOI 13	KOI 14
KOI 83	KOI 84	KOI 65	KOI 66	KOI 47	KOI 48	KOI 29	KOI 30	KOI 11	KOI 12
KOI 81	KOI 82	KOI 63	KOI 64	KOI 45	KOI 46	KOI 27	KOI 28	KOI 9	KOI 10
KOI 79	KOI 80	KOI 61	KOI 62	KOI 43	KOI 44	KOI 25	KOI 26	KOI 7	KOI 8
KOI 77	KOI 78	KOI 59	KOI 60	KOI 41	KOI 42	KOI 23	KOI 24	KOI 5	KOI 6
KOI 75	KOI 76	KOI 57	KOI 58	KOI 39	KOI 40	KOI 21	KOI 22	KOI 3	KOI 4
KOI 73	KOI 74	KOI 55	KOI 56	KOI 37	KOI 38	KOI 19	KOI 20	KOI 1	KOI 2

Since the Wellgreen discovery, intermittent exploration has been carried out by various companies focusing on magmatic-hosted sulphide mineralization, throughout the Kluane Ranges. Shortly after Wellgreen was found, the Canalask deposit was discovered near the White River, ~25 km northwest of the Koi property. This deposit was never mined; however, just over 500 m of underground development has taken place. The Canalask deposit saw periodic exploration that has included drilling and geophysical surveys.

During exploration for Ni-Cu-PGE sulphide mineralization, several other occurrences were identified, including four Minfile occurrences near to the Koi Property. These include: the Cats and Dogs (Minfile 115F041), a Cu-Ni-PGE occurrence related to a narrow ultramafic sill; the Mexico (Minfile 115F042), a copper skarn developed in carbonate rocks of the Hasen Creek Formation; the Quebec (Minfile 115F039), a possible continuation of the magmatic Cu-Ni-PGE mineralization at the Cats and Dogs; and, the Liberty (Minfile 115F038), where copper and gold are hosted within quartz-carbonate veins. A limited amount of exploration work has been completed on these occurrences, and no work has been done in the last 15 years. Table I lists information regarding each of these occurrences.

Table I – Minfile Occurrences

Minfile	Occurrence	Commodity	Host	Location
115F 041	Cats and Dogs	Copper, nickel, and PGE's	Ultramafic	8.5km north of KOI 1-90
115F 042	Mexico	Copper	Skarn	12km northwest of KOI 1-90
115F 039	Quebec	Copper, nickel, and PGE's	Intrusive	6.7km north of KOI 1-90
115F 038	Liberty	Copper and gold	Vein	4km northeast of KOI 1-90
115F 037	Koidern	Copper, nickel, and PGE's	Intrusive	Koi Property

In the summer of 2020, a large landslide occurred on a slope above the Koidern River at the western side of the Kluane Ranges, during which a very large volume of rock was displaced, exposing a significant amount of new bedrock in an area of vegetation and overburden cover. Boulders found in the debris consist of gabbroic to ultramafic intrusive rock, granodiorite and intermediate porphyritic intrusive material, as well as Skolai Group volcanic and sedimentary rocks. Rock samples of the granodiorite and the porphyry were collected by Yukon Geological Survey geologists investigating the landslide. These samples showed the presence of quartz-epidote-magnetite and quartz-limonite veinlets with minor sericite and biotite alteration. Several boulders also contained disseminated sulphides and abundant secondary copper mineralization (malachite and azurite). Based upon the new outcrop exposure and regional prospectivity, Strategic Metals staked the mineral claims that now comprise the Koi property.

GEOMORPHOLOGY

The Koi property is located within the Kluane Ranges, which lie to the northeast of the larger St. Elias Mountains. The property is situated between the Donjek and White rivers. Elevations on the property range from 1030 m near valley bottoms to 2010 m along ridges and mountain tops.

The area has been affected by numerous glacial events. During the St. Elias Glacial advance, the Klutlan Glacier almost reached the Shakwak Trench scouring a broad northwest-trending valley to Tchawshamon Lake. Local glacial features, such as moraines and cirques, are present on the property. The ice level is not well constrained in the immediate area of the property, but is likely similar to other areas of the Kluane Ranges (~1700m).

Volcanic ash is a significant component of the soil profile near the Koi property. Between 1450 and 1750 years ago an eruption occurred near the Yukon-Alaska border, west of the property and prevailing winds scattered pumice in two large fans, 720 km to the east and 400 km to the north, respectively. The thickness of the pumice layer varies throughout the fan areas but is deepest near the source. The pumice layer is often cemented by permafrost that is insulated by thick, widespread moss cover. This frozen pumice layer hinders conventional soil sampling techniques.

Vegetation at the Koi property consists of stunted black spruce, willow and birch with thick moss in valley bottoms and on slopes. Surprisingly, given the steep topography, very little outcrop exists outside of ridge crests, the steepest talus slopes and actively eroding creek cuts.

The climate in the Koi area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts sometimes cover the area and snowfall can occur in any month. The property is mostly snow free from late May to late September.

REGIONAL GEOLOGY

The Koi property lies within the Kluane Ranges, a northwest trending mountain range that is considered the front range to the larger St. Elias Mountains to the southwest (Figure 3). Much of the Kluane Ranges is underlain by Wrangellia, which is bounded to the south by the Alexander terrane, across the Duke River fault and to the north by the Yukon Tanana terrane, across the Denali fault (Figure 3). Wrangellia in southwest Yukon is comprised of Paleozoic to Mesozoic volcanic and sedimentary rocks intruded by Mesozoic to early Cenozoic magmatic rocks (Figure 4). Paleozoic stratigraphy of Wrangellia is characterized by the Skolai Group comprised of early Mississippian to Pennsylvanian volcanic and volcanoclastic rocks of the Station Creek Formation conformably overlain by Upper Pennsylvanian to Permian marine siliciclastic rocks and carbonate rocks of the Hasen Creek Formation (Israel et al., 2007; Read and Monger, 1977).

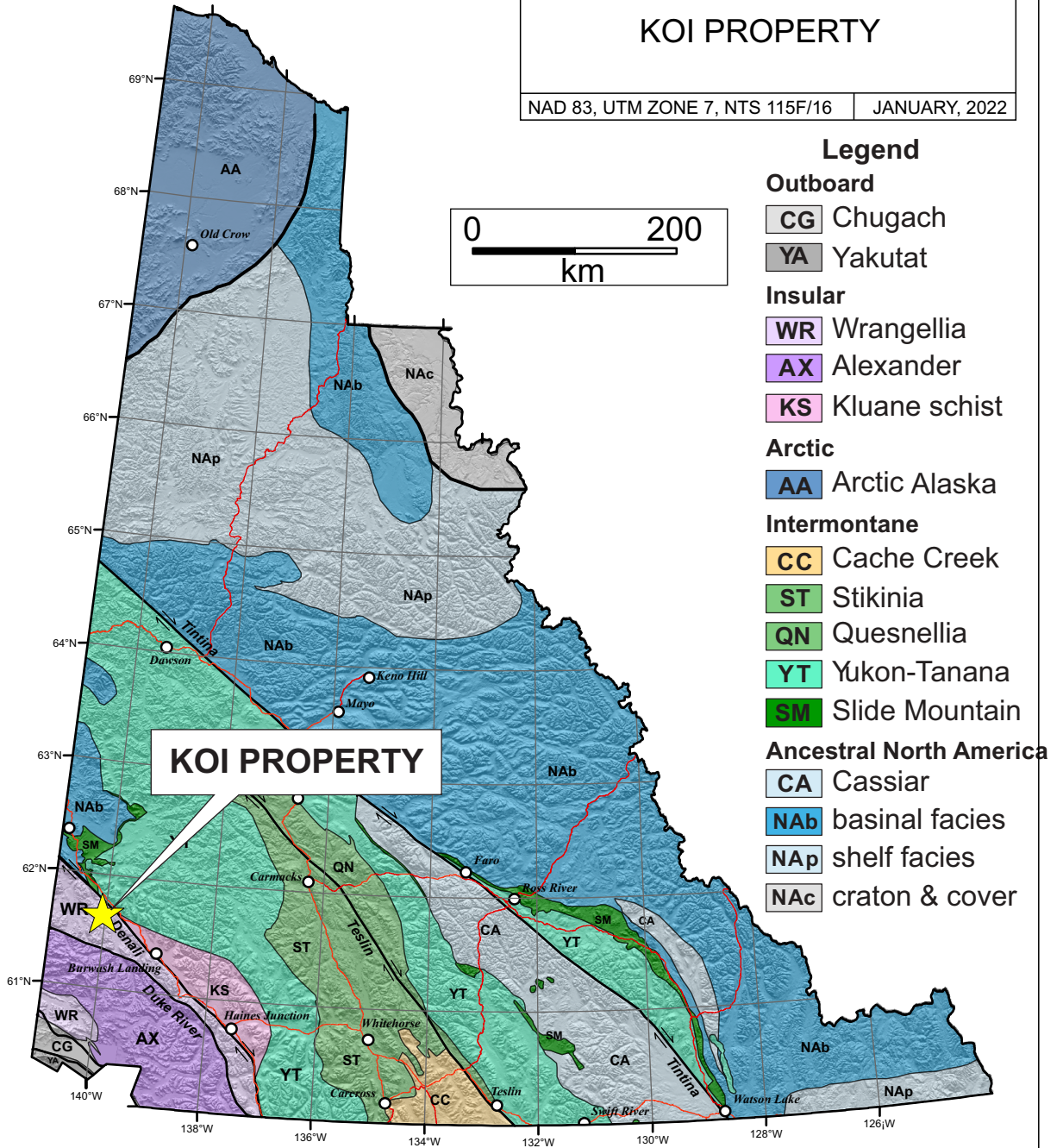
Unconformably overlying the Paleozoic stratigraphy is the Upper Triassic Nikolai formation, a thick package of subaerial to locally submarine basalt flows. The basalt flows, in turn, are conformably overlain by the Upper Triassic Chitstone limestone and calcareous mudstone and siltstone of the McCarthy Formation. Jura-Cretaceous marine turbidites of the Dezadeash Formation unconformably overlie, and are comprised of the eroded remnants of, the older rocks.

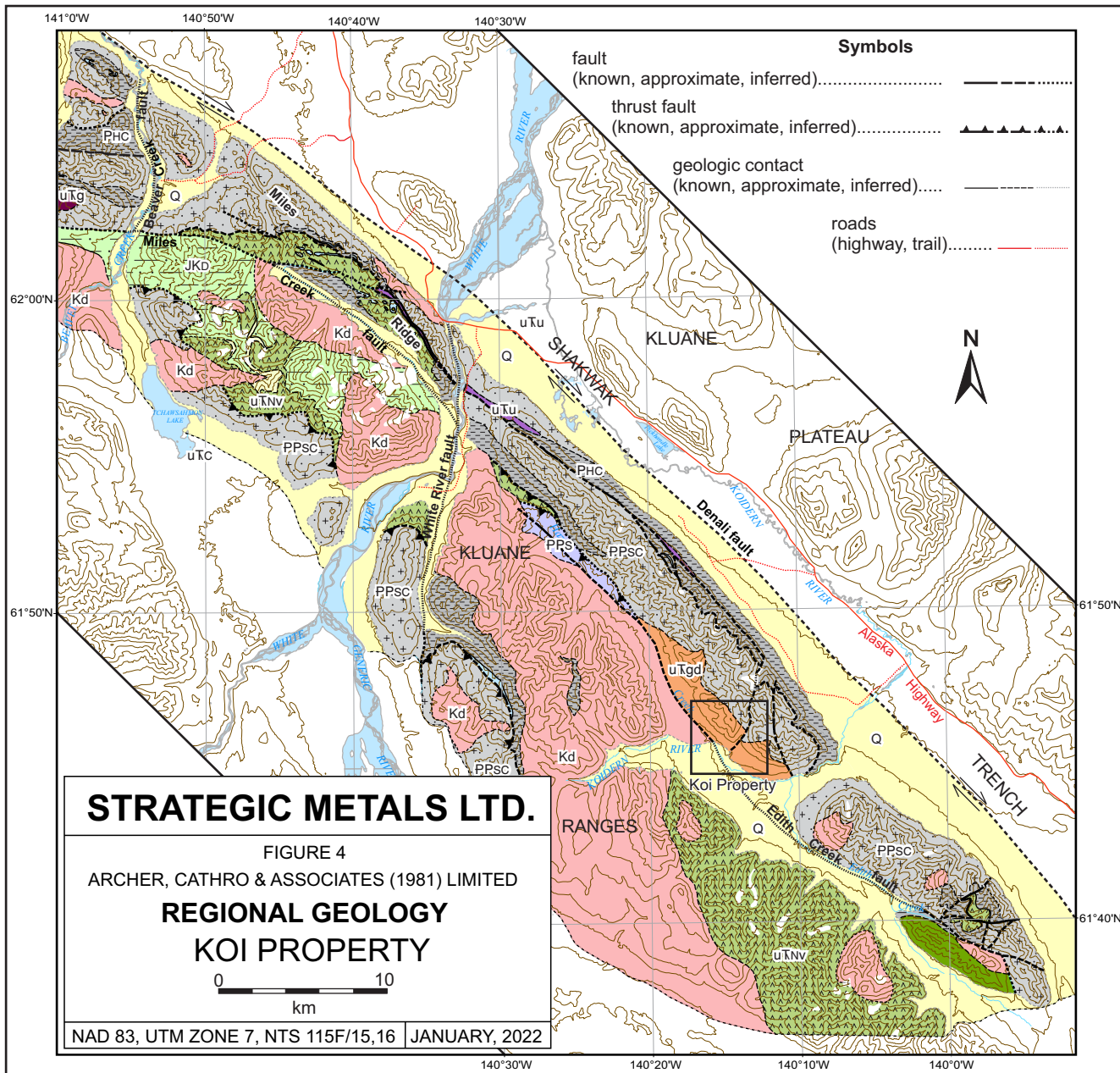
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FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC ASSEMBLAGE MAP KOI PROPERTY

NAD 83, UTM ZONE 7, NTS 115F/16 | JANUARY, 2022





Quaternary cover		Pennsylvanian-Permian		Intrusive Rocks	
Q		PPS	undifferentiated Skolai Group	Kd	Early Cretaceous Kluane Ranges suite
JKd	Jurassic-Cretaceous Dezadeash Formation	PHC	Hasen Creek Formation	uTu	Late Triassic White River complex
uTc	Late Triassic Chitistone Limestone	PPsc	Station Creek Formation	uTgd	Late Triassic Koidern River pluton
uTnv	Late Triassic Nikolai formation			uTg	Late Triassic gabbro

Locally, thick packages of Oligocene terrestrially deposited sedimentary rocks of the Amphitheatre occur in preserved, structurally controlled basins, along both the Denali and Duke River faults. Likewise, Miocene rocks of the Wrangell volcanics are found in centres associated with the Duke River and subsidiary faults.

Wrangellian stratigraphy in southwest Yukon has been intruded by rocks related to multiple magmatic events. The Triassic Kluane mafic-ultramafic suite is comprised of gabbro and ultramafic rocks (peridotite and pyroxenite with lesser dunite) that intrude as sills and dykes often near the boundary between the Hasen Creek and Station Creek formations. These have been interpreted as being part of the feeder system to the temporally equivalent Nikolai formation (Hulbert, 1997). An enigmatic suite of Late Triassic granodiorite of the Mount Beaton suite (ca. 220-212 Ma) are found in at least two localities, intruding into Skolai Group rocks. It is unclear what tectonic event these intrusions are related to, but they have calc-alkaline, arc-like geochemical signatures. Early Cretaceous quartz-diorite and diorite of the Kluane Ranges suite (ca. 124-115 Ma) are widespread in southwest Yukon as both small, localized bodies to large almost batholith sized bodies. Oligocene and Miocene plutons of the Tkope suite and Wrangell suite, respectively, are generally found near structures as small plutons or as dykes and sills associated with volcanic centres.

There is a general northwest structural trend within rocks of Wrangellia in southwest Yukon (Figure 4). Northwest trending folds and faults are the result of several phases of deformation that has occurred from the late Permian to recent times. The earliest deformation event is responsible for folding of the Paleozoic stratigraphy; however, little is known about this event. In places relatively flat lying Triassic volcanic rocks sit on top of strongly folded sedimentary rocks of the Hasen Creek Formation (Israel and Cobbett, 2008a and 2008b). The timing of this folding is post-Permian (deposition of the sediments) and pre-late Middle Triassic (earliest age of the Nikolai formation). Several north and south striking normal faults have been identified that appear to bound packages of boulder to cobble conglomerate found at the base of the Nikolai formation. Clasts are dominated by rocks of the underlying Skolai Group. The faults and associated conglomerates have been interpreted as grabens formed at the onset of the deposition of the Nikolai (Israel and Cobbett 2008a). A series of northwest striking, southwest dipping thrust faults place older stratigraphy over younger and have associated northwest trending open folds. The largest of these structures is the Duke River fault, which separates Wrangellia from the Alexander terrane in the south. The Duke River fault has a protracted history that includes mid-Cretaceous sinistral, oblique thrusting, followed by Late Cretaceous and Oligocene dextral oblique thrusting (Cobbett et al., 2017). Portions of the Duke River fault are still seismically active, with several minor earthquakes attributed to the structure occurring every year.

Many of the Mesozoic faults were re-activated in the Cenozoic during right lateral strike-slip deformation along the Denali and associated faults.

PROPERTY GEOLOGY

In 2021, eleven days were spent mapping and prospecting the Koi property. Property-scale (1:10,000) mapping was completed, focusing on evidence of Cu-Au porphyry and magmatic Ni-Cu style mineralization and any porphyry-related alteration or veining.

The Koi property is underlain by Paleozoic to Triassic rocks of Wrangellia, intruded by Late Triassic Mount Beaton suite granodiorite and Early Cretaceous Kluane Ranges suite (Israel et al., 2007; Israel and Cobbett, 2008a; Figure 5). Folded and faulted Station Creek and Hasen Creek formations make-up the dominant stratigraphy. The Station Creek Formation is comprised of mafic to intermediate volcanic flows and tuffs, intercalated with volcanoclastic rocks and rare, thin carbonate horizons. Hasen Creek Formation is characterized by siltstone, mudstone and fine-grained sandstone interbedded with carbonate rocks and rare pebble conglomerate. The transition from Station Creek to Hasen Creek is gradual and placed where volcanic dominated rocks become sediment dominated. Mafic and ultramafic sills are often found at this transition zone.

A large, variably altered body of the Mount Beaton suite covers about half of the property. The intrusion is at least 2 km wide and several kilometers long with a northwest trend and has previously been named the Koidern River pluton (Israel and Cobbett, 2008a). The pluton is characterized by medium to coarse-grained, quartz, plagioclase, biotite +/- hornblende granodiorite with locally more abundant potassium feldspar. It is weakly to moderately magnetic and can host thin (2-4 mm) quartz, quartz-epidote and quartz-epidote-magnetite veins and veinlets in variable abundance. The pluton at its northwestern end on the property is strongly clay altered, cut by sheeted-like, limonite filled fractures and hosts patchy to disseminated pyrite. Country rocks surrounding the Koidern River pluton are often hornfelsed and exhibit recrystallization textures and variable epidote and chlorite alteration in the form of crystal replacement and veining. A U/Pb zircon age of ca. 212.4 Ma was obtained from a sample collected from this body, on the ridge just above where the 2020 slide occurred (Israel and Cobbett 2008a).

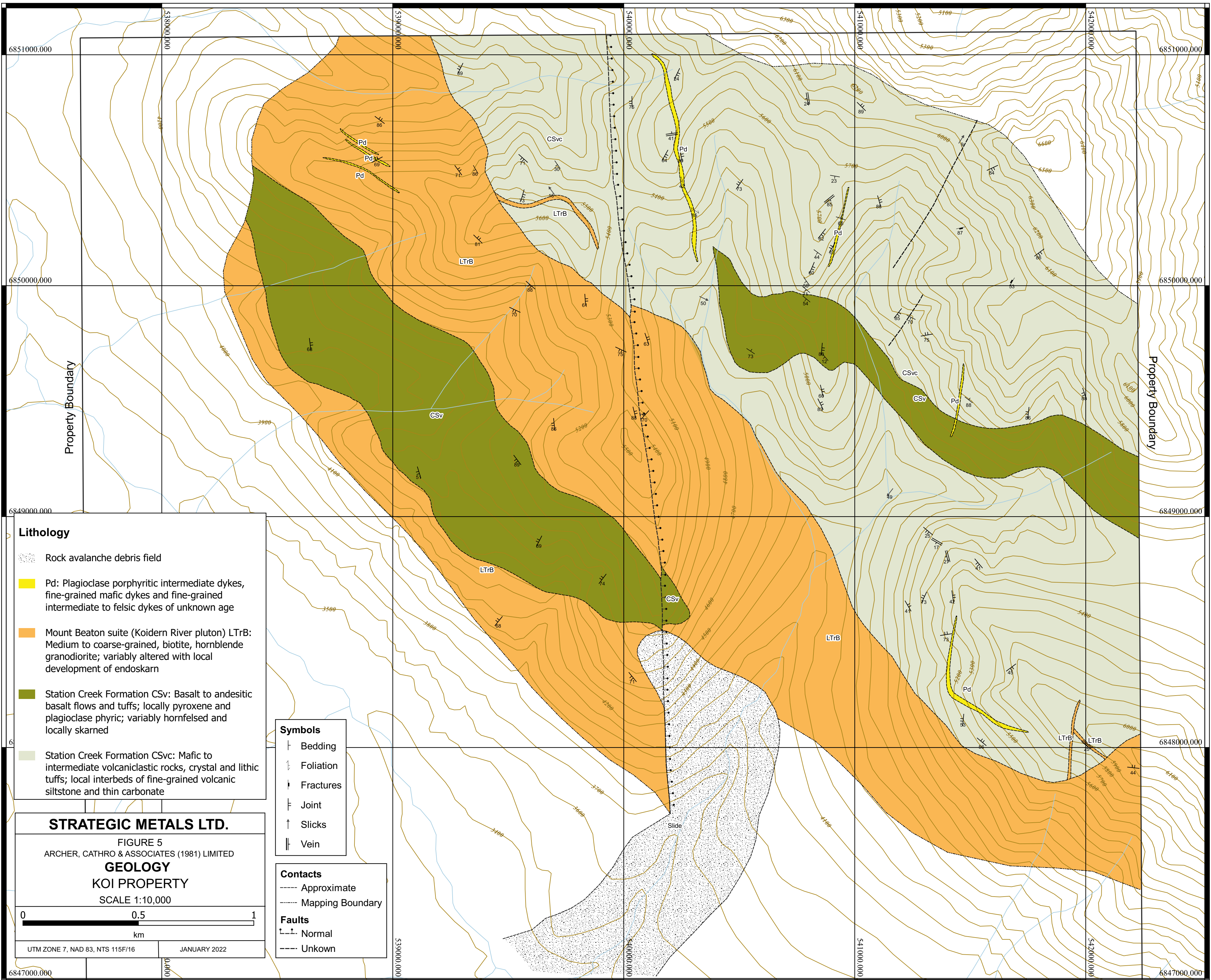
A south to southwest striking, west-northwest, steeply dipping fault runs through the center of the property, offsetting the Paleozoic rocks and the Koidern River pluton. This has been interpreted as a normal fault (Israel et al., 2007). This fault or a related structure may be the plane of weakness that controlled the 2021 landslide (K. Kennedy, pers. comm.).

MINERALIZATION AND PROSPECTING






Based upon the current data there are three possible exploration targets on the Koi property: 1) magmatic Cu-Ni-PGE mineralization associated with the Triassic Kluane mafic-ultramafic suite; 2) porphyry Cu-Au mineralization associated with the Triassic Mount Beaton suite; and 3) skarn developed near and within granodiorite of the Mount Beaton suite. The extent and importance of the skarn mineralization is not well-constrained.

Magmatic Cu-Ni-PGE







Although some mineralization at the Koi property appears to be characteristic of porphyry style, several ultramafic to mafic boulders found in the landslide debris were found to host mineralization more consistent with a magmatic Cu-Ni-PGE style. Chalcopyrite and pyrite veins, one to two centimetres thick, along with net-textured sulphides are found within several of the samples of gabbro to pyroxenite taken from the landslide debris during staking of the property in the fall of 2020. A widely spaced, regional government geophysical survey in the area shows a large magnetic high passing through the area of the slide and continuing towards the northwest, along the regional structural trend (YGS Open File 2017-35). It is possible that





Lithology

-  Rock avalanche debris field
-  Pd: Plagioclase porphyritic intermediate dykes, fine-grained mafic dykes and fine-grained intermediate to felsic dykes of unknown age
-  Mount Beaton suite (Koidern River pluton) LTrB: Medium to coarse-grained, biotite, hornblende granodiorite; variably altered with local development of endoskarn
-  Station Creek Formation CSv: Basalt to andesitic basalt flows and tuffs; locally pyroxene and plagioclase phyrlic; variably hornfelsed and locally skarned
-  Station Creek Formation CSvc: Mafic to intermediate volcaniclastic rocks, crystal and lithic tuffs; local interbeds of fine-grained volcanic siltstone and thin carbonate



Symbols

-  Bedding
-  Foliation
-  Fractures
-  Joint
-  Slicks
-  Vein

Contacts

-  Approximate
-  Mapping Boundary

Faults

-  Normal
-  Unknwn

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FIGURE 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GEOLOGY
 KOI PROPERTY
 SCALE 1:10,000

0 0.5 1
 km

UTM ZONE 7, NAD 83, NTS 115F/16 JANUARY 2022

the magnetic high is related to a buried mafic-ultramafic sill, similar to those that host the Wellgreen and Canalask deposits.

Porphyry Cu-Au

The presence of a granodiorite pluton belonging to the Mount Beaton suite significantly increases the potential for porphyry style copper and gold mineralization on the Koi property. The Mount Beaton suite has only been identified at the Koi and in the extreme southeast of Wrangellia in Yukon, near the B.C border (Israel and Cobbett 2008b). Significant porphyry style mineralization has been associated with the Mount Beaton suite in this southern area, including mineralization within the suite itself, and base metal and silver and gold rich veins, often associated with distal parts of a porphyry system (Israel, 2018; Rogers 1985; Carlson, 1973). At the Koi property, mineralization is found within the Koidern River pluton as disseminated pyrite and minor chalcopyrite within strongly altered granodiorite boulders in the avalanche debris field. Many of the creeks that drain from the pluton show moderate copper response in regional stream geochemical surveys (107 to 46 ppm). Samples collected from the landslide debris include granodiorite that host quartz-epidote-magnetite veinlets with minor sericite and possible secondary biotite alteration. The minfile occurrences found around the Koi property could be distal expressions of the porphyry system including quartz-carbonate veins that reportedly contain up to 2% chalcopyrite, 2% galena and 1% pyrite and assayed up to 13.71 g/t gold, with 0.9% copper (Davidson, 1988) and copper skarn mineralization from north of the Koi property that consists of chalcopyrite and magnetite stringers found within carbonate and calcareous rocks of the Hasen Creek Formation.

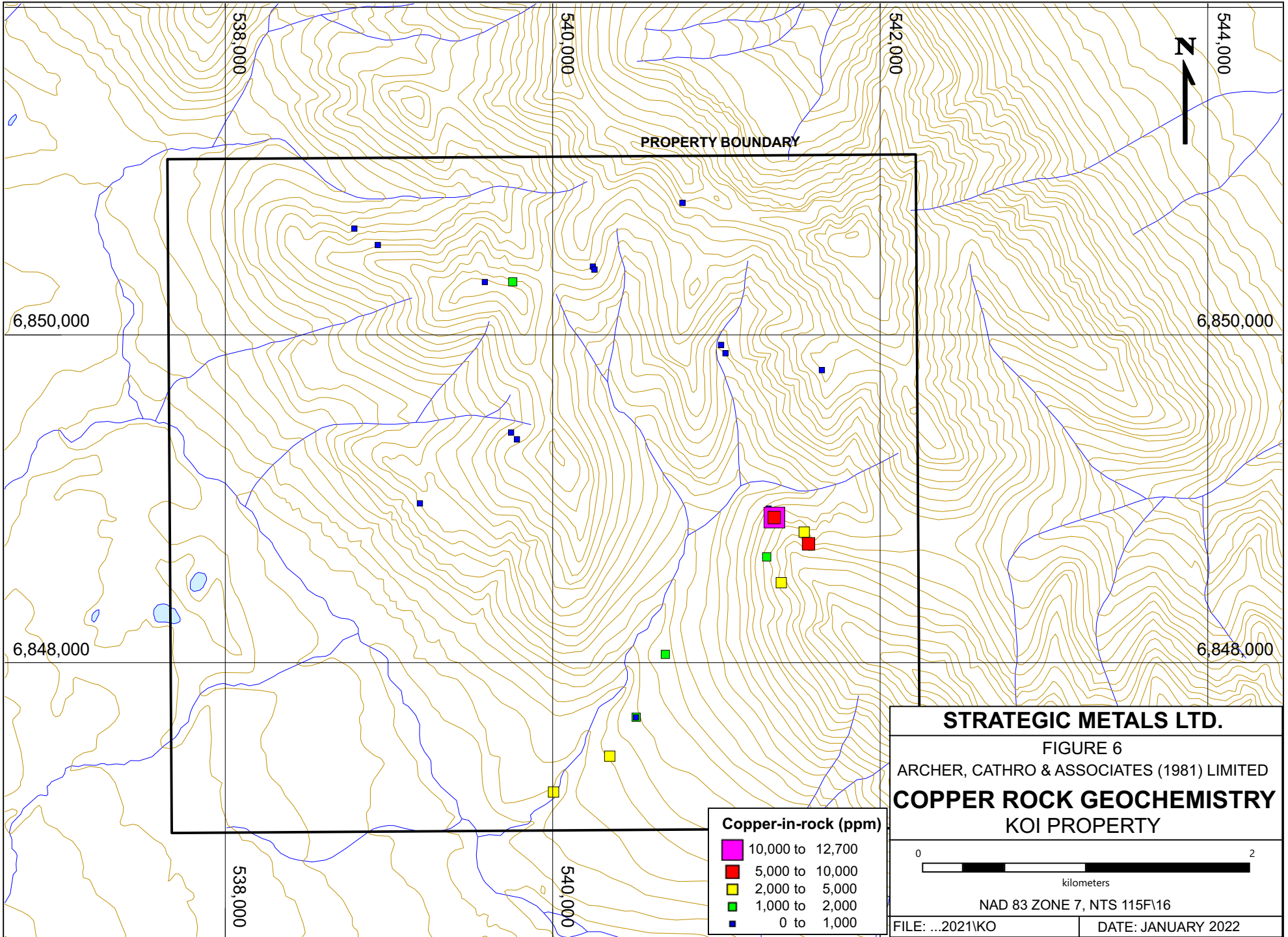
Skarn Mineralization

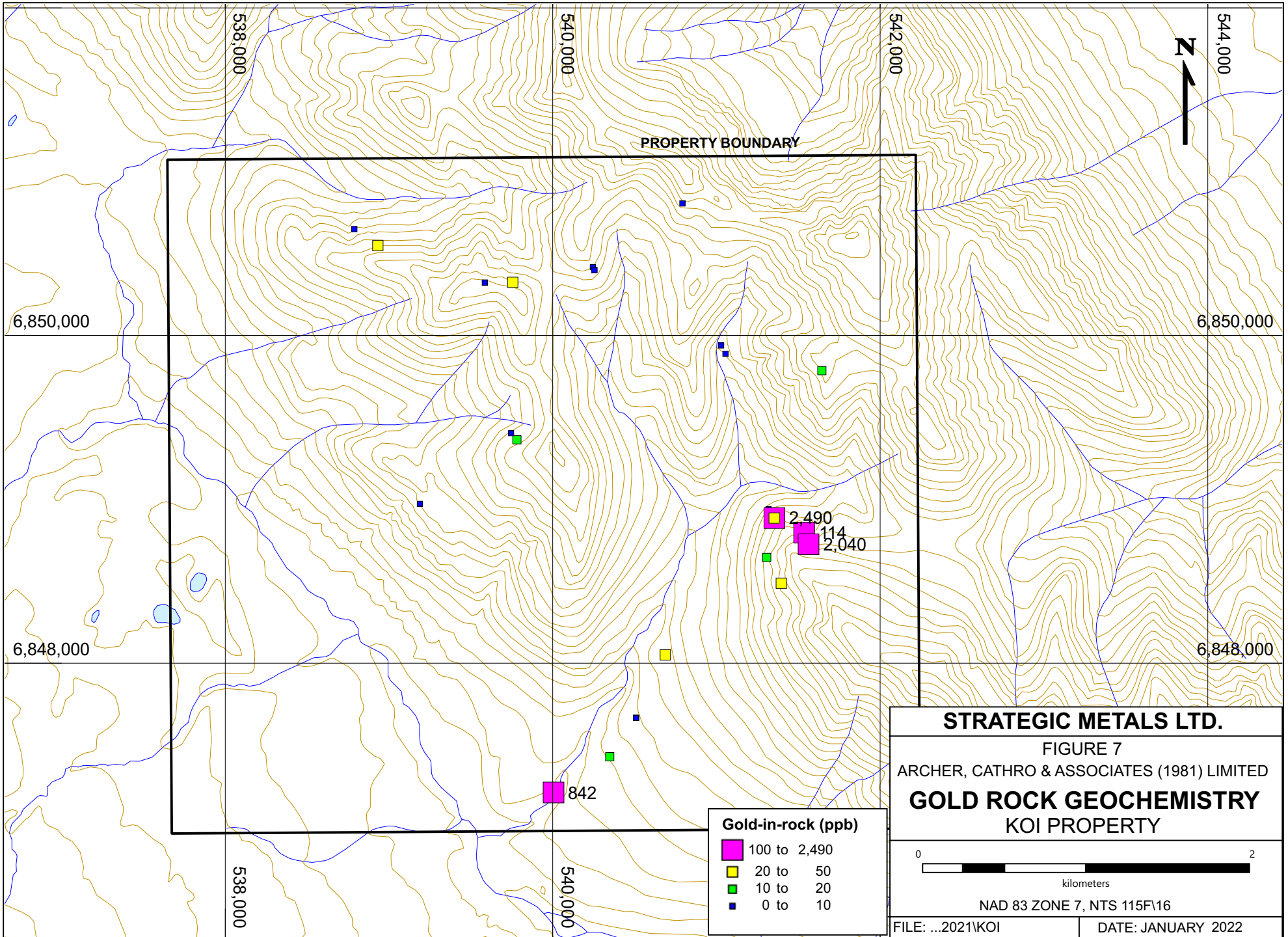
Skarn is locally developed near the contacts between granodiorite of the Koidern River pluton and mafic volcanic rocks of the Station Creek Formation and Triassic mafic to ultramafic intrusions. Calc-silicate, actinolite, epidote and minor garnet is observed in localized zones within the country rock surrounding the granodiorite intrusion up to several hundred meters from the contact. Granodiorite boulders found within the avalanche debris field show evidence of massive fluid movement through the rock resulting in endoskarn development characterized by actinolite, epidote, chlorite and hematite (after magnetite) veins and alteration. No significant sulphide mineralization was observed associated with the skarn; however, limonite development indicates at least some sulphide was present.

2021 Field Program

In 2021, a total of 26 rock samples were collected for analysis. Thematic results for copper and gold in rocks are illustrated in Figures 6 and 7, respectively. Anomalous rock thresholds used to describe the results are presented in Table II.

All rock sample sites in 2021 were marked with flagging tape labeled with the sample number. The location of each sample was determined using a handheld GPS unit. All samples sent for analysis were double bagged with an individually pre-numbered sample tag placed in each bag. Analytical work was done by ALS Minerals Ltd., with sample preparation in Whitehorse, YT and assays and geochemical analyses in North Vancouver, BC. All rock samples were analyzed for gold by fire assay (Au-AA24) and 51 other elements by aqua regia digestion followed by





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FIGURE 7
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD ROCK GEOCHEMISTRY
 KOI PROPERTY

0 2
 kilometers

NAD 83 ZONE 7, NTS 115F16

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inductively coupled plasma-atomic emission spectroscopy (ME-MS41). Rock sample descriptions are located in Appendix III, while Certificates of Analysis are found in Appendix IV.

Table II – Rock Geochemical Threshold and Peak Values

Metal	Anomalous Thresholds			Peak Values
	Low	Moderate	Strong	2021
Au (ppb)	≥ 10 < 20	≥ 20 < 50	≥ 100	2490
Cu (ppm)	≥ 2,000 < 5,000	≥ 5,000 < 10,000	≥ 10,000	12,700

Copper and gold mineralization in rock was observed within the eastern and southern portions of the property where several samples collected from the slide debris returned moderate values of copper and one returned a highly anomalous value of gold. The samples were taken from boulders and cobbles of granodiorite, feldspar porphyry and gabbro, locally displaying strongly clay, carbonate and silica alteration. This material hosts malachite, azurite and patches to stringers of sulphide (mainly pyrite and minor chalcopyrite).

Outcrop and float samples taken from a mostly moss-covered ridge near the eastern edge of the property, returned the best copper and gold results of 2.49 g/t gold, 1.27% copper with 3.39 g/t silver (outcrop) and 2.04 g/t gold, 0.679% copper and 3.54 g/t silver (float). Both samples are characterized by quartz and quartz-carbonate veins hosted within strongly chlorite and epidote altered mafic hornfels. Two samples with moderately anomalous gold were collected from the northern part of the property. One float sample of hornfelsed mafic rock with epidote and chlorite alteration returned 34 ppb gold and another float sample from a strongly clay altered granodiorite hosting disseminated pyrite up to 5% returned 21 ppb gold.

SOIL GEOCHEMISTRY

Several soil geochemical contour lines were completed targeting the northern half of the property. Table III shows the anomalous soil thresholds that are used to describe soil geochemical results for gold, copper and nickel. Unfortunately, early season logistics contributed to the lack of soils collected in the eastern and northeastern parts of the property.

Table III – Soil Geochemical Threshold and Peak Values

Metal	Anomalous Thresholds			Peak Values
	Low	Moderate	Strong	2021
Au (ppb)	≥ 20 < 50	≥ 50 < 100	≥ 100	218
Cu (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200	254
Ni (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500	593

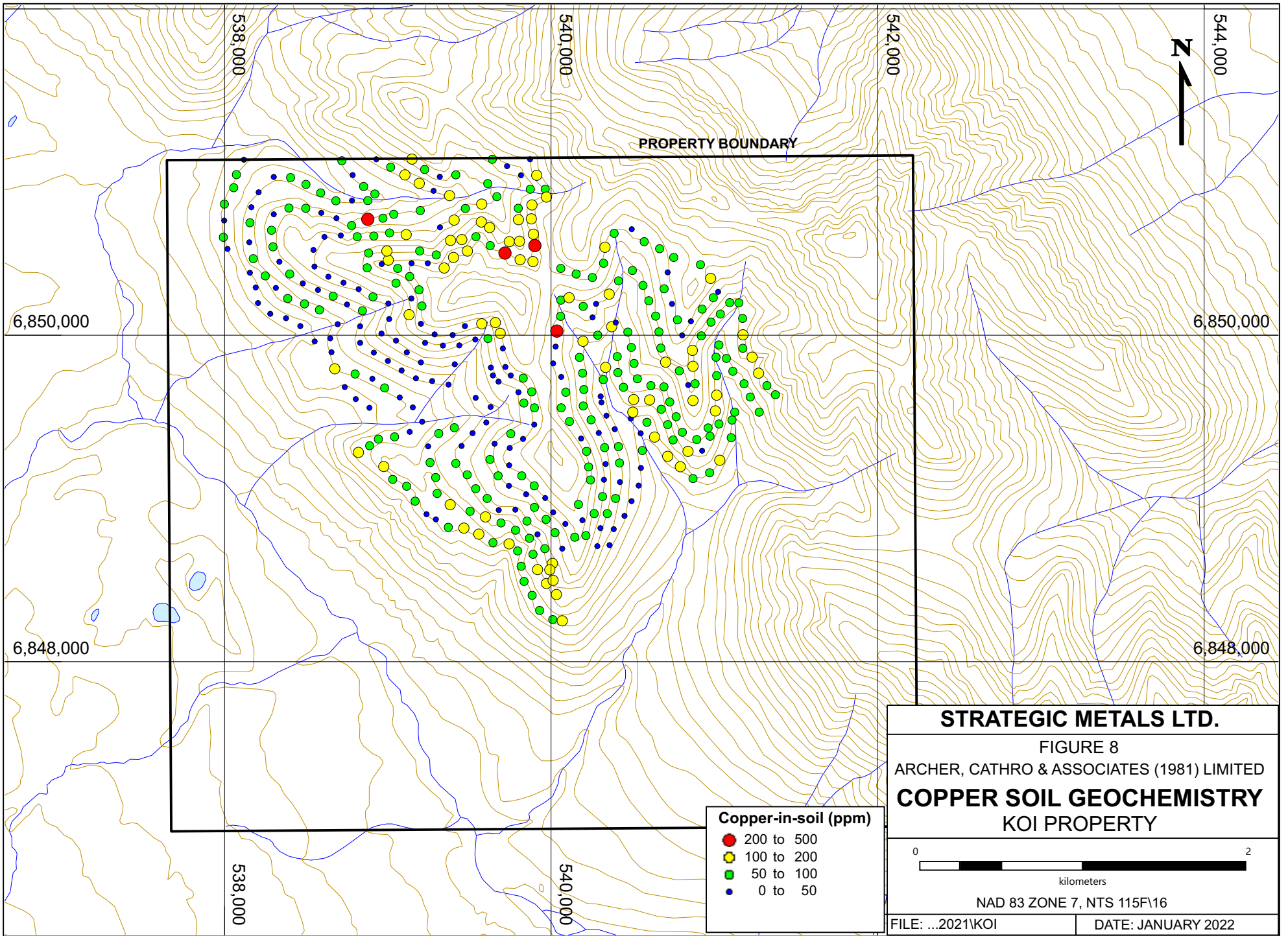
Co (ppm)	$\geq 30 < 40$	$\geq 40 < 50$	≥ 50	92.8
Mo (ppm)	$\geq 5 < 10$	$\geq 10 < 20$	≥ 20	27.2
As (ppm)	$\geq 50 < 100$	$\geq 100 < 200$	≥ 200	272

In 2021, a total of 403 soil samples were taken (Figure 7). Soil sample locations were recorded using hand-held GPS units. Sample sites were marked with flagging inscribed with sample numbers. The samples were sent to ALS Minerals in Whitehorse, where they were dried and screened to ~180 microns. The fine fractions were then shipped to ALS Minerals in North Vancouver where they were analyzed for 53 elements using an aqua regia digestion (ME-MS41) with gold by fire assay followed by inductively coupled plasma-atomic emission spectroscopy (Au-ICP21). Figures 8 to 13 show thematic soil results for copper, gold, nickel, cobalt, molybdenum and arsenic.

Soil geochemistry at the Koi property show moderately elevated values for copper, nickel, cobalt and lesser gold. There are no obvious multi-element anomalies, outside of somewhat coincident nickel and cobalt values flanking the central ridge of the property. Interestingly this area is underlain by granodiorite showing various states of clay alteration. Higher cobalt values persist outside of this area with several highly anomalous values in the easternmost portion of the soil lines. Two strongly anomalous values of cobalt in this eastern area overlap with strong responses from arsenic and nickel. Copper values in the central and northern portion of the sampled area show a low to moderate response with some higher values in the north. Most of these samples are underlain by intermediate to mafic volcanic and volcanoclastic rocks and minor gabbro sills and dykes that may be contributing to the copper response; however, several samples between 50 and 100 ppm copper are found in areas underlain by granodiorite. There appears to be little correlation between gold and any other element of interest including arsenic. The highest gold values are found in the northwestern part of the property underlain by, or near the contact with variably altered granodiorite. Arsenic has a muted response everywhere except the easternmost portion of the survey lines. Moderate to strongly anomalous values for molybdenum are found in the northwest corner of the property where strongly altered granodiorite is found. These values for molybdenum overlap slightly with low to moderate copper values.

DISCUSSION

Mineralization at the Koi property is somewhat difficult to assess with the limited amount of information currently available. The alteration and associated mineralization found within the avalanche debris clearly show evidence for both porphyry-type and magmatic sulphide-type with some indication of skarn-type. All significant gold and copper mineralization found in outcrop, away from the avalanche zone is hosted within quartz and quartz-carbonate veins developed within the volcanic and volcanoclastic stratigraphy surrounding the Koidern River pluton. It is unknown whether these veins are related to the intrusion; however, given the evidence for a significant amount of hydrothermal fluids associated with the granodiorite in the form of skarning and hornfelsing, it is likely.



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FIGURE 8

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**COPPER SOIL GEOCHEMISTRY
KOI PROPERTY**

Copper-in-soil (ppm)

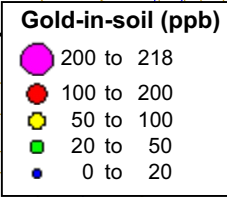
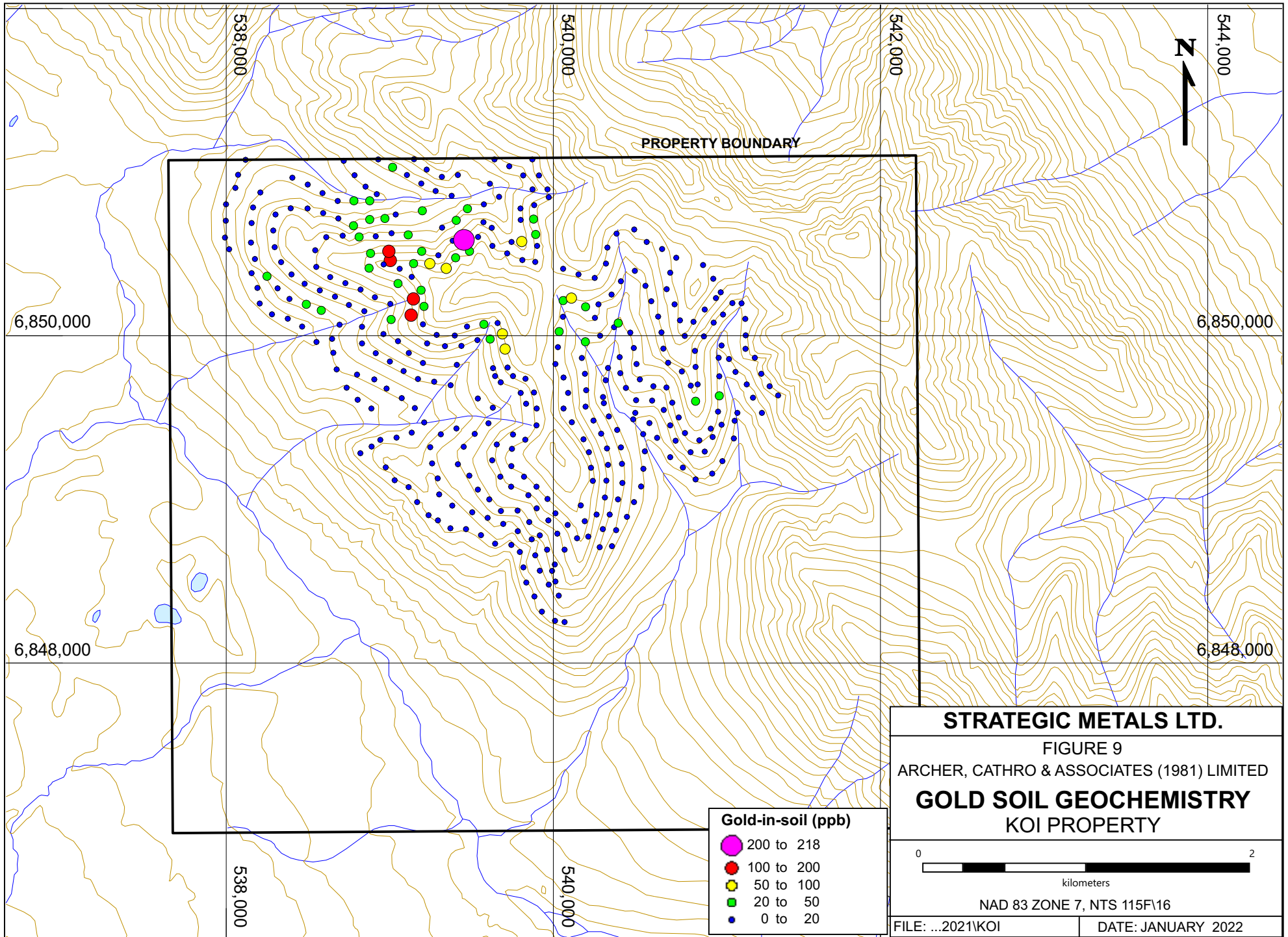
- 200 to 500
- 100 to 200
- 50 to 100
- 0 to 50

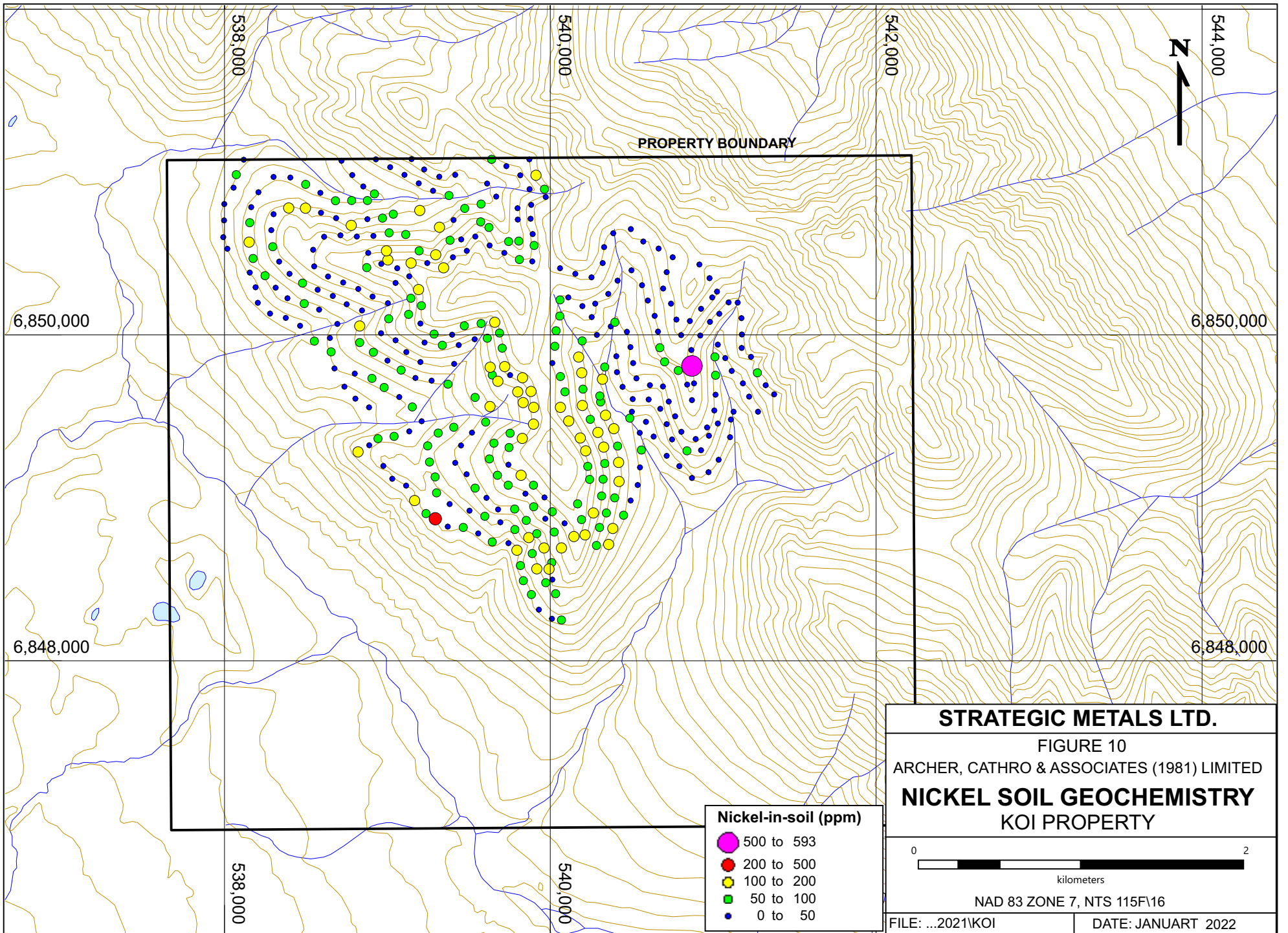


NAD 83 ZONE 7, NTS 115F16

FILE: ...2021\KOI

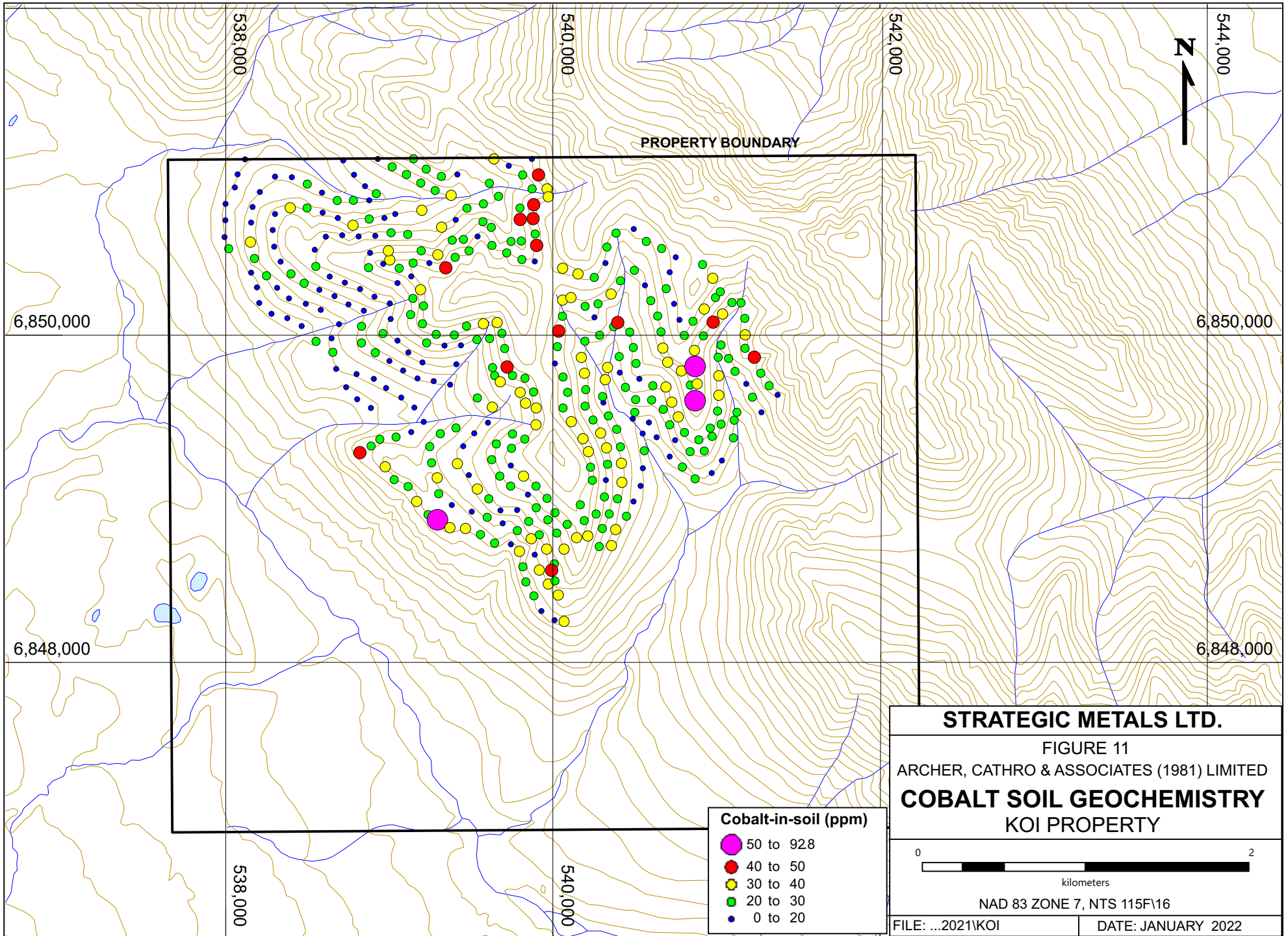
DATE: JANUARY 2022

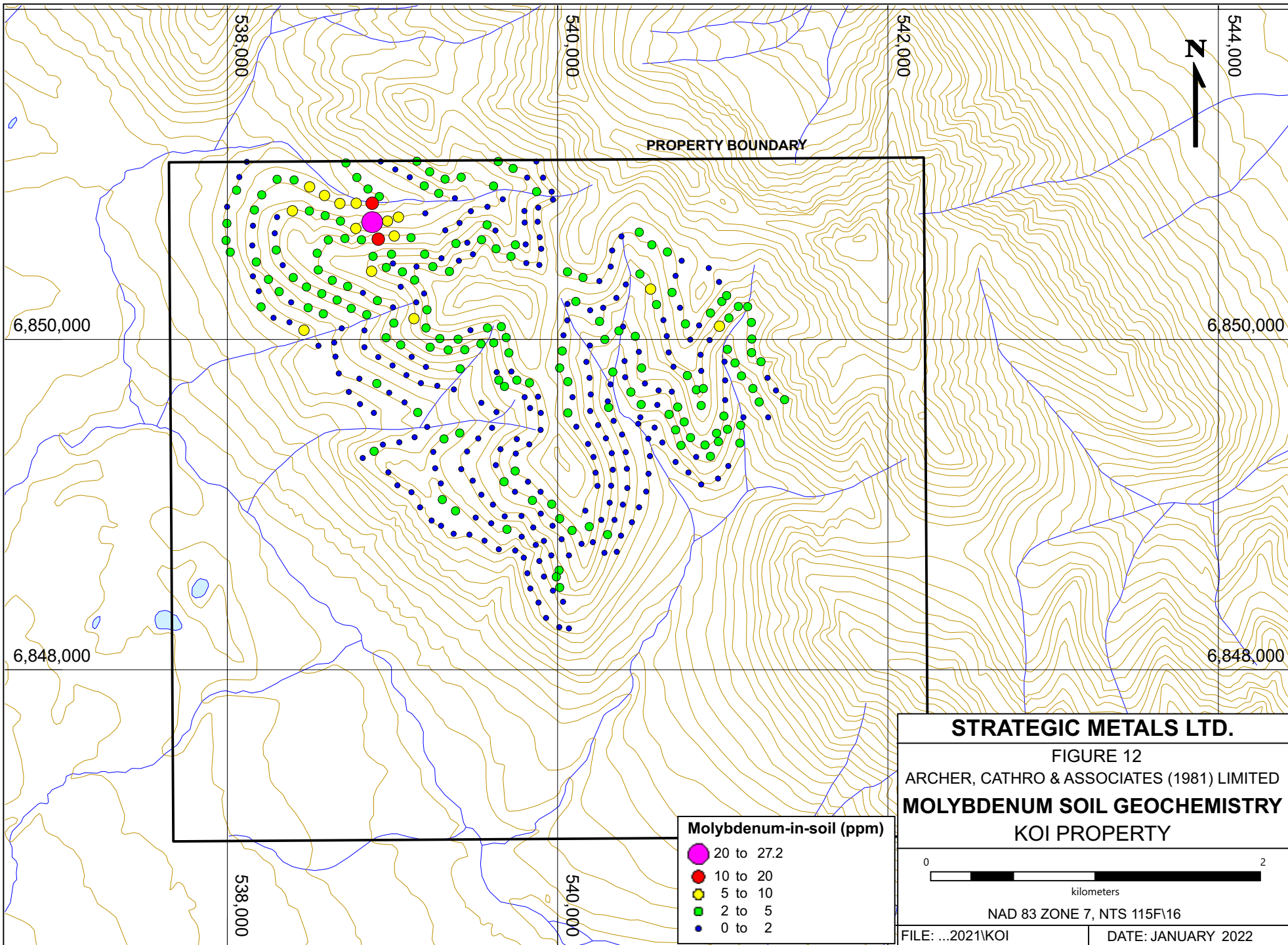




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FIGURE 10
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
NICKEL SOIL GEOCHEMISTRY
 KOI PROPERTY





STRATEGIC METALS LTD.

FIGURE 12
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
MOLYBDENUM SOIL GEOCHEMISTRY
 KOI PROPERTY

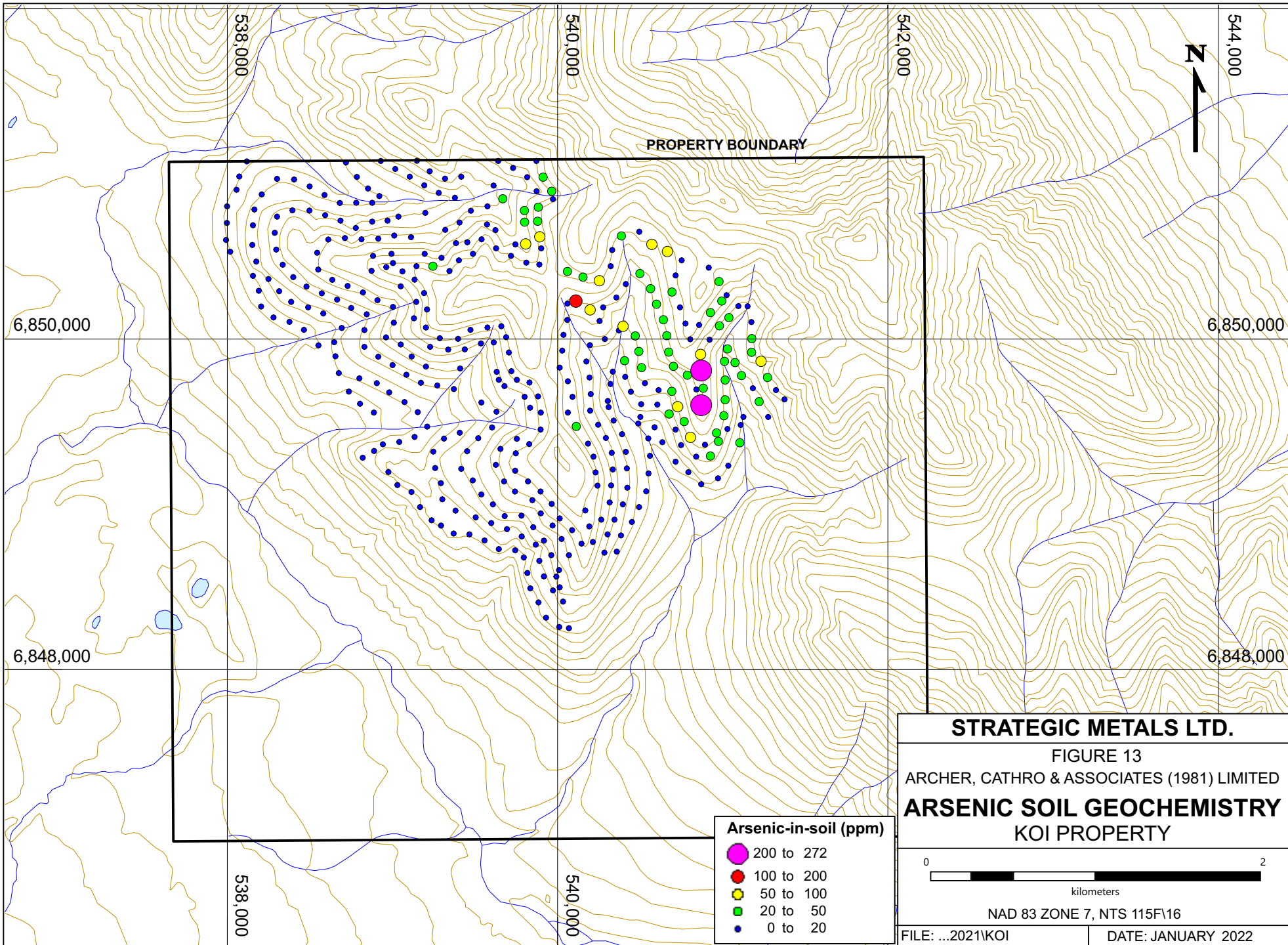
0 2
 kilometers

NAD 83 ZONE 7, NTS 115F\16

FILE: ...2021\KOI DATE: JANUARY 2022

Molybdenum-in-soil (ppm)

- 20 to 27.2
- 10 to 20
- 5 to 10
- 2 to 5
- 0 to 2



A northwest trending magnetic high, visible in regional geophysics, underlies much of the mapped extent of the Koidern River pluton on the Koi property (Figure 14). Copper, gold and lead bearing quartz-calcite veins are found just off the property to the northeast, distal to the pluton. Similarly copper skarn mineralization is found the north of the property near the edge of the intrusion. Both vein and skarn mineralization may represent a distal expression of the magmatic hydrothermal system associated with the Koidern River pluton.

Alteration on the property has thus far been observed within the Koidern River granodiorite and in the enclosing country rock, near the pluton contacts. The alteration consists mainly of epidote and chlorite, with locally developed magnetite and hematite. A zone of moderate to intense clay and pyrite alteration that includes a significant amount of sericite and limonite is found within the northwest extent of the pluton. This alteration zone is located at the boundary between high and low magnetic anomalies in the regional geophysics (Figure 13). It is possible this alteration is magnetite destructive, and the magnetic low is the site of the most intense portion of the alteration zone. This is partly corroborated by the increase in hematite, possibly after magnetite, in this area.

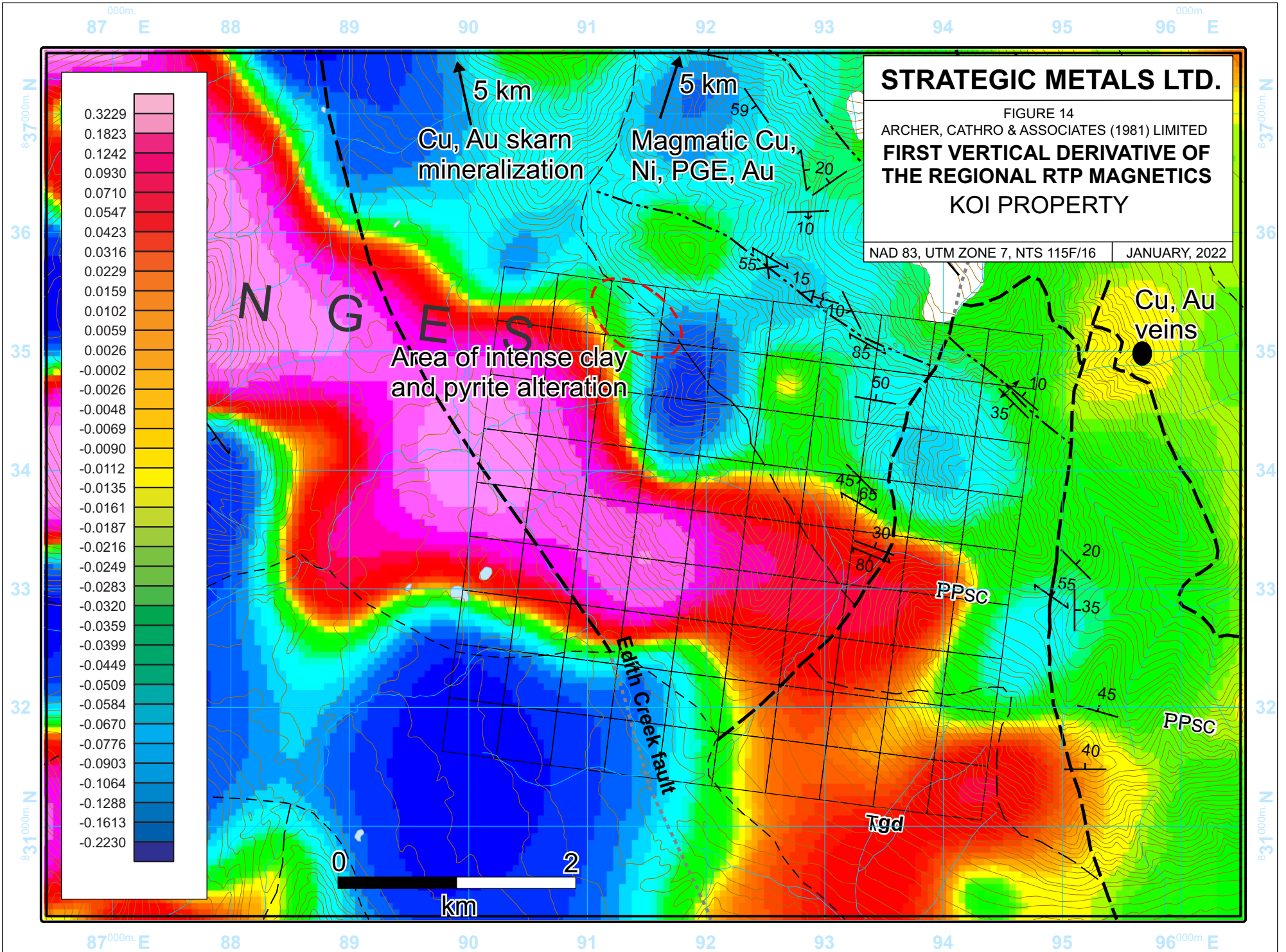
The best mineralized samples collected to date are from quartz and quartz-carbonate veins hosted within volcanic and volcanoclastic rocks near the contact with the Koidern River pluton. The lack of outcrop made it difficult to trace these veins any length along strike and no soil geochemistry was collected in this area. The style of veining and the mineralization hosted within are similar to the quartz and quartz-carbonate veins located to the northeast of the property (Minfile 115F038). At this Minfile location, individual veins are reported to be up to 20 cm in width and occur over a 20 m length in outcrop (Davidson, 1988).

CONCLUSION AND RECOMMENDATIONS

The Koi property hosts copper and gold mineralization, associated with Cu-Au porphyry and Ni-Cu-PG styles of mineralization. Some skarn mineralization was recognized along the edges of and within the granodiorite of the Koidern River pluton, but mostly within blocks located in the avalanche debris field. The best assay results were obtained from samples collected of quartz and quartz-carbonate veins developed within hornfelsed mafic volcanic and volcanoclastic rocks of the Station Creek Formation found near the eastern boundary of the property. Given the early-stage nature of the project and encouraging first pass soil geochemistry and rock assays, future work on the property is warranted.

Work on the Koi property should consist of the following:

- 1) Further claim staking along the eastern and northern portions of the current property boundary to capture trend of mineralization to the east, the gold and copper mineralization found in quartz and quartz-carbonate veins at minfile 115F038 and the northwest extent of the most highly altered portion of the Koidern River pluton (three claim widths along the eastern boundary and two claim widths along the northern boundary).
- 2) Full property Lidar should be flown to help delineate structures that may control vein mineralization.



- 3) Mapping and prospecting of the northern and eastern borders of the property, following the highly anomalous copper, gold, and nickel assay values from rock and soil samples and to determine the extent of alteration at the northwest end of the Koidern River pluton. Mapping should include detailed alteration and structural observations.
- 4) Hand-trenching at sites of strongly anomalous copper and gold-in-soils and outcrop samples. Float samples containing gold and copper mineralization should be followed up to determine their sources.
- 5) 3D IP survey over targets identified through mapping, soil sampling and prospecting.

Respectfully submitted,



S. Israel, B.Sc., M.Sc., Ph.D.

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

1. I graduated in 1998 from Memorial University of Newfoundland and Labrador with a B.Sc (hons) in Geological Sciences, and received a M.Sc. (2001) and Ph.D. (2008) from the University of British Columbia
2. From 2004 to 2018, I worked as a regional bedrock mapper for the Yukon Geological Survey and have considerable expertise in North American Cordilleran geology.
3. I have worked as a contractor for exploration companies in British Columbia, Yukon, Nunavut, Nevada, Arizona, California and Mexico.
4. I am a full-time employee and Partner of Archer, Cathro & Associates (1981) Limited.
5. I have interpreted all data resulting from this work.



S. Israel, B.Sc., M.Sc., Ph.D.

APPENDIX II
STATEMENT OF EXPENDITURES



**Statement of Expenditures
Koi Property**

Labour

Employee	Job Discription	Hours	Time Period	Rate/Hr	Total
Lawrence Andre	Expeditior	8	June 26 - August 31	\$ 91.00	\$ 728.00
Wayne Schnieder	Expeditior	8	June 26 - August 31	\$ 104.00	\$ 832.00
Jessie Gladish	Geologist - Mapping	96	June 26 - August 31	\$ 75.00	\$ 7,200.00
Steve Israel	Geologist - Mapping	57	July 22 - August 31	\$ 130.00	\$ 7,410.00
Jasmin Torderno	Geologist - Mapping	64	July 22 - August 31	\$ 75.00	\$ 4,800.00
Kate Carroll	Geologist - Mapping	64	July 22 - August 31	\$ 75.00	\$ 4,800.00
					\$ 25,770.00

Expenses

Room and Board	\$100/night - 33 Days	\$ 3,300.00
Capital Helicopters, as attached		\$ 14,241.55
ALS Minerals, as attached		\$ 224.55
		<u>\$ 17,766.10</u>

Total eligible expenditures submitted \$ 43,536.10

APPENDIX III
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Property: Koi

Sample Number: A0980966 Date Collected: 15/07/2021 UTM: 540246 mE Nad83, Zone 7
Elevation: 1707 m Sampler: Unknown Person UTM: 6850417 mN

Comments: Completely altered tuff w. pyrite and are very oxidized. Continues further NNE in siltstone layer. (>8% pyrite)

Sample Number: A0980967 Date Collected: 15/07/2021 UTM: 539756 mE Nad83, Zone 7
Elevation: 1675 m Sampler: Unknown Person UTM: 6850324 mN

Comments: Float sample; Carbonated hornfelse silicified rock w. garnet and epidot covering a small portion of the rock. Py + cpy (<0.5%) + mala

Sample Number: A0980968 Date Collected: 15/07/2021 UTM: 538932 mE Nad83, Zone 7
Elevation: 1533 m Sampler: Unknown Person UTM: 6850550 mN

Comments: Pyrite altered granodiorite w. vaguely net texture. (>5% pyrite)

Sample Number: A0980969 Date Collected: 15/07/2021 UTM: 541318 mE Nad83, Zone 7
Elevation: 1445 m Sampler: Unknown Person UTM: 6848939 mN

Comments: Chl + epi +- carbonate (locally) alt. hornfels with minor py + cpy + mala (<0.1%)

Sample Number: A0980970 Date Collected: 15/07/2021 UTM: 541354 mE Nad83, Zone 7
Elevation: 1498 m Sampler: Unknown Person UTM: 6848886 mN

Comments: Chl + epi +- carbonate (locally) alt. hornfels (porphyritic mafic rock); carbonate + quartz veining with locally py + cpy + mala + azurite, covering locally up to 10%

Sample Number: A0980971 Date Collected: 15/07/2021 UTM: 541536 mE Nad83, Zone 7
Elevation: 1544 m Sampler: Unknown Person UTM: 6848797 mN

Comments: Chl + epi + carbonate alt. hornfels (mafic) with carbonate + quartz veining; locally py + cpy + mala; very small vein = small sample

Sample Number: A0980972 Date Collected: 15/07/2021 UTM: 541562 mE Nad83, Zone 7
Elevation: 1577 m Sampler: Unknown Person UTM: 6848725 mN

Comments: Float sample; strongly chl + epi alt. hornfels (mafic) with a quartz-vein containing py + cpy + mala, covering ~1%

Rock Sample DescriptionsProperty: Koi

Sample Number: A0980973 Date Collected: 15/07/2021 UTM: 541307 mE Nad83, Zone 7
Elevation: 1551 m Sampler: Unknown Person UTM: 6848645 mN

Comments: Float sample; chl + epi alt. pyroxene-porphyrific mafic rock (hornfels); euhedral quartz vein, py + cpy + mala, covering <2%

Sample Number: A0980974 Date Collected: 15/07/2021 UTM: 541396 mE Nad83, Zone 7
Elevation: 1607 m Sampler: Unknown Person UTM: 6848488 mN

Comments: Strongly silicified pyroxene-porphyrific mafic rock with locally carbonate alt. in fractures. Small vein close to carbonate with py + cpy + mala +- azur +- hema, covering <2%

Sample Number: A0980975 Date Collected: 15/07/2021 UTM: 540256 mE Nad83, Zone 7
Elevation: 1695 m Sampler: Unknown Person UTM: 6850399 mN

Comments: Fine-grained dark grey volcanoclastic sandstone, slightly carbonated, slightly disseminated silvery pyrite (<1%)

Sample Number: A0980976 Date Collected: 15/07/2021 UTM: 541644 mE Nad83, Zone 7
Elevation: 1807 m Sampler: Unknown Person UTM: 6849785 mN

Comments: Oxidized and altered tuff with pyrite veinlets (<1mm) and minor disseminated py

Sample Number: B687520 Date Collected: 15/07/2021 UTM: 539782 mE Nad83, Zone 7
Elevation: 1574 m Sampler: Unknown Person UTM: 6849363 mN

Comments: Outcrop grab sample; malachite on fractures within fine grained gabbro to peridotite, <1% py, cpy

Sample Number: B687521 Date Collected: 15/07/2021 UTM: 540688 mE Nad83, Zone 7
Elevation: 1255 m Sampler: Unknown Person UTM: 6848050 mN

Comments: Float sample from landslide debris field; malachite and azurite within large boulder (10x10x5 metres) of ep, chl hematite altered granodiorite

Sample Number: B687522 Date Collected: 15/07/2021 UTM: 540510 mE Nad83, Zone 7
Elevation: 1186 m Sampler: Unknown Person UTM: 6847666 mN

Comments: Float sample from landslide debris field; quartz vein within large altered, fine-grained fsp porphyry; azurite, malachite 1-2% disseminated py, cpy

Rock Sample Descriptions

Property: Koi

Sample Number: B687523 Date Collected: 15/07/2021 UTM: 540509 mE Nad83, Zone 7
Elevation: 1188 m Sampler: Unknown Person UTM: 6847665 mN

Comments: Float sample from landslide debris field; fine-grained fsp porphyry with 2-3% disseminated py +/- cpy; porphyry is extremely altered, clay, hem, ep

Sample Number: B687524 Date Collected: 15/07/2021 UTM: 540792 mE Nad83, Zone 7
Elevation: 1880 m Sampler: Unknown Person UTM: 6850807 mN

Comments: Milky white to dark grey, slightly banded quartz vein; very fine-grained quartz; ranges from 5-10 cm wide; minor pyrite <1%

Sample Number: B687525 Date Collected: 15/07/2021 UTM: 540005 mE Nad83, Zone 7
Elevation: 1073 m Sampler: Unknown Person UTM: 6847210 mN

Comments: Float sample from debris field; Dark grey to black ultramafic with minor disseminated and stringers of cpy and py, malachite on almost all surfaces

Sample Number: B687526 Date Collected: 15/07/2021 UTM: 540343 mE Nad83, Zone 7
Elevation: 1132 m Sampler: Unknown Person UTM: 6847424 mN

Comments: Float sample from debris field; Quartz-carbonate vein within very altered granodiorite; banded quartz/carb with minor fine-grained sulphides

Sample Number: B687527 Date Collected: 15/07/2021 UTM: 540349 mE Nad83, Zone 7
Elevation: 1132 m Sampler: Unknown Person UTM: 6847429 mN

Comments: Float sample from debris field; strongly altered fine-grained, bleached and silicified granodiorite with minor disseminated sulphides

Sample Number: B687528 Date Collected: 15/07/2021 UTM: 538789 mE Nad83, Zone 7
Elevation: 1440 m Sampler: Unknown Person UTM: 6850650 mN

Comments: Beige/brown weathered, clay altered granodiorite with limonite filled veinlets and minor disseminated pyrite; chl-ep-hem alteration throughout

Rock Sample DescriptionsProperty: Koi

Sample Number: B687578 Date Collected: 15/07/2021 UTM: 541353 mE Nad83, Zone 7
Elevation: 1493 m Sampler: Unknown Person UTM: 6848885 mN

Comments: Qtz vein breccia up to 15 cm wide with up to 15% cpy + py +/- mal +/- az in strongly chl-ep hornfels altered plag porphyry

Sample Number: W795463 Date Collected: 02/07/2021 UTM: 539746 mE Nad83, Zone 7
Elevation: m Sampler: Jessie Gladish UTM: 6849404 mN

Comments: calcite, light coloured rock with some dark black/green wavy/crenulated metamorphic alteration. Some red oxidation.

Sample Number: W795464 Date Collected: 02/07/2021 UTM: 539586 mE Nad83, Zone 7
Elevation: m Sampler: Jessie Gladish UTM: 6850323 mN

Comments: epidote (?) veins in ultramafic matrix. Calchopyrite with green staining around it, malachite? Magnetic. Looked like it was in place/outcrop but calling it subcrop. A rocky drainage.

Sample Number: W795465 Date Collected: 02/07/2021 UTM: 541055 mE Nad83, Zone 7
Elevation: m Sampler: Jessie Gladish UTM: 6849888 mN

Comments: tiny sulphides in weathered very fine grain/oil-y colour. Subcrop?

Sample Number: W795466 Date Collected: 02/07/2021 UTM: 541028 mE Nad83, Zone 7
Elevation: m Sampler: Jessie Gladish UTM: 6849940 mN

Comments: near outcrop. Calcite veins. Calchopyrite sulphides.

Sample Number: W795467 Date Collected: 02/07/2021 UTM: 539189 mE Nad83, Zone 7
Elevation: m Sampler: Jessie Gladish UTM: 6848972 mN

Comments: heavy/dense. Calcite with yellow weathering.

APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 604 984 0221 Fax: +1 604 984 0218
 www.alsglobal.com/geochemistry

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

Page: 1
 Total # Pages: 12 (A - D)
 Plus Appendix Pages
 Finalized Date: 14-AUG-2021
 Account: MTT

CERTIFICATE WH21172481

Project: KOI

This report is for 404 samples of Soil submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2021.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	MATT DUMALA SCOTT NEWMAN	STEVE ISRAEL LIZ SMITH
--------------------------------	-----------------------------	---------------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -1 80um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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: 
 Saa Traxler, General Manager, North Vancouver



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Page: 2 - A
 Total # Pages: 12 (A - D)
 Plus Appendix Pages
 Finalized Date: 14-AUG-2021
 Account: MTT

Project: KOI

CERTIFICATE OF ANALYSIS WH21172481

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY20192		0.15	0.017	0.29	7.95	9.8	830	1.88	0.31	1.99	0.20	122.0	18.8	100	2.36	68.2
YY20193		0.24	0.001	0.08	6.94	8.0	700	1.15	0.16	1.96	0.14	38.0	10.0	66	2.10	33.1
YY20194		0.28	0.004	0.10	7.83	7.4	790	1.43	0.18	2.21	0.12	47.5	15.9	73	1.87	51.2
YY20195		0.28	0.005	0.11	7.73	8.2	700	1.31	0.16	2.53	0.22	35.8	20.8	85	1.74	75.9
YY20196		0.18	0.029	0.28	8.33	9.4	680	2.18	1.76	1.61	0.19	72.9	18.4	143	2.05	99.5
YY20197		0.21	0.026	0.15	7.76	7.8	640	2.14	0.97	2.25	0.21	86.3	21.3	241	2.20	49.7
YY20198		0.32	0.015	0.12	7.79	8.9	650	1.81	0.57	2.51	0.19	71.9	22.1	190	1.91	60.7
YY20199		0.11	0.019	0.09	7.02	8.0	660	1.41	0.19	2.11	0.20	58.0	17.4	103	1.95	52.2
YY20200		0.29	0.011	0.07	7.26	11.3	590	1.45	0.20	2.05	0.17	64.2	22.9	154	2.17	53.5
YY20201		0.16	0.001	0.09	7.60	6.8	790	1.29	0.15	2.32	0.14	48.6	14.3	58	1.69	54.5
YY20202		0.14	NSS	0.09	7.11	8.4	700	1.26	0.15	2.26	0.16	51.3	15.8	71	1.71	47.8
YY20203		0.17	0.004	0.08	6.43	8.5	600	1.22	0.17	2.15	0.24	44.3	19.3	67	1.78	39.0
YY20204		0.17	0.003	0.09	6.65	8.0	630	1.38	0.16	2.25	0.19	60.4	17.5	78	1.83	49.6
YY20205		0.21	0.006	0.07	9.05	10.7	670	1.86	0.22	1.79	0.17	81.9	18.9	144	2.04	53.0
YY20206		0.22	0.001	0.02	7.74	6.5	620	1.31	0.25	3.57	0.11	37.1	31.7	447	1.68	46.7
YY20207		0.23	0.009	0.28	8.26	12.0	700	1.60	0.21	2.34	0.19	46.1	23.7	192	2.39	83.9
YY20208		0.32	0.029	0.09	8.18	8.5	650	1.80	0.27	2.48	0.25	62.4	24.2	272	1.67	58.0
YY20209		0.21	0.008	0.08	7.39	8.3	770	1.40	0.17	2.32	0.24	62.8	15.7	82	1.94	46.7
YY20210		0.24	0.010	0.10	7.65	7.5	760	1.38	0.16	2.13	0.12	51.5	14.6	87	1.74	56.6
YY20211		0.17	0.031	0.15	7.74	9.1	790	1.62	0.20	2.34	0.11	65.6	16.9	121	1.98	68.3
YY20212		0.21	0.024	0.14	7.45	5.6	860	1.44	0.16	2.29	0.18	46.1	13.4	73	1.67	59.4
YY20213		0.22	0.002	0.06	7.40	6.2	720	1.22	0.13	2.41	0.11	39.8	17.0	128	1.62	44.8
YY20214		0.34	0.014	0.09	7.98	9.0	740	1.58	0.14	2.03	0.21	58.7	19.7	106	2.01	46.2
YY20215		0.24	0.003	0.04	7.04	5.6	640	1.37	0.10	2.51	0.13	42.5	21.0	222	1.46	47.9
YY20216		0.21	0.002	0.02	7.37	5.3	900	1.25	0.14	1.94	0.11	40.5	10.0	42	1.52	110.5
YY20217		0.24	0.002	0.08	6.89	5.6	640	1.22	0.12	2.67	0.36	45.0	15.3	95	1.47	55.7
YY20218		0.24	0.013	0.07	7.29	7.2	640	1.23	0.12	2.55	0.20	46.0	18.9	165	1.62	41.4
YY20219		0.14	0.013	0.06	7.21	6.4	700	1.24	0.12	2.38	0.13	43.2	16.2	137	1.57	50.9
YY20220		0.20	0.001	0.05	7.19	3.7	790	1.20	0.13	2.45	0.10	37.5	10.2	56	1.30	35.5
YY20221		0.22	0.002	0.08	7.47	7.9	680	1.39	0.14	2.18	0.22	51.0	18.0	119	1.75	45.5
YY20222		0.08	0.002	0.05	6.22	6.3	690	1.11	0.12	2.35	0.22	38.8	14.0	106	1.73	41.3
YY20223		0.29	0.001	0.04	7.50	6.6	780	1.26	0.18	2.21	0.12	38.2	14.9	103	1.38	45.7
YY20224		0.16	<0.001	0.07	7.61	8.0	540	0.85	0.10	3.85	0.24	29.0	27.9	152	1.18	74.8
YY20225		0.21	0.002	0.08	7.35	11.2	630	1.08	0.13	2.74	0.20	35.1	25.2	180	1.97	70.2
YY20226		0.29	0.004	0.10	8.10	10.1	720	1.23	0.11	3.05	0.17	34.0	23.6	101	1.90	71.7
YY20227		0.30	0.001	0.06	8.01	5.0	520	0.76	0.08	5.45	0.17	21.6	46.1	466	1.12	108.5
YY20228		0.15	0.001	0.04	6.58	7.2	590	1.07	0.15	2.40	0.18	33.8	16.6	62	1.78	35.0
YY20229		0.20	0.001	0.06	7.55	40.4	410	1.07	0.11	2.27	0.27	37.2	47.2	270	2.08	103.0
YY20230		0.24	0.002	0.09	8.41	25.9	450	1.05	0.10	1.88	0.20	41.1	30.9	168	2.71	79.0
YY20231		0.32	0.005	0.09	9.82	16.3	350	1.02	0.10	1.43	0.24	37.0	39.7	84	1.78	161.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY20192		5.03	18.45	0.24	2.7	0.066	1.59	119.5	19.4	1.39	951	3.29	1.81	9.4	43.7	1200
YY20193		3.49	16.65	0.06	3.2	0.044	1.50	20.6	16.7	0.81	563	3.23	2.13	10.5	16.8	690
YY20194		4.07	17.80	0.06	2.8	0.043	1.63	27.5	21.2	1.14	825	2.33	2.13	8.4	27.6	1180
YY20195		4.56	16.80	0.05	2.3	0.047	1.48	16.9	20.0	1.77	1080	2.43	2.08	7.4	52.6	1020
YY20196		5.45	21.2	0.11	2.2	0.108	2.31	43.9	17.3	1.47	1150	10.35	1.87	8.8	56.9	820
YY20197		5.19	19.55	0.09	2.3	0.085	2.10	46.7	16.7	1.91	1240	7.45	1.79	8.7	71.9	860
YY20198		5.10	18.85	0.08	2.2	0.078	1.80	34.9	19.0	1.78	916	5.51	1.99	9.8	60.4	810
YY20199		3.98	16.40	<0.05	2.5	0.048	1.40	29.4	19.7	1.30	1020	5.02	1.83	7.9	40.4	1090
YY20200		5.12	17.75	0.08	2.3	0.071	1.25	31.8	19.9	1.65	1020	5.91	1.66	10.0	54.8	1290
YY20201		3.38	17.50	0.06	3.0	0.037	1.74	25.2	19.5	1.00	908	2.51	2.35	7.9	25.0	940
YY20202		3.73	16.65	0.07	2.9	0.051	1.45	26.9	18.8	1.13	824	2.41	2.01	8.5	31.0	1000
YY20203		3.59	15.80	0.07	2.5	0.049	1.22	22.9	16.9	1.00	1080	3.40	1.71	8.1	27.1	1020
YY20204		3.59	16.60	0.08	2.5	0.045	1.28	31.6	18.8	1.09	895	2.44	1.77	8.5	35.3	1070
YY20205		5.38	20.9	0.11	2.4	0.072	1.61	46.6	21.3	1.23	1040	1.97	1.69	10.3	50.3	1140
YY20206		5.69	18.10	0.06	2.3	0.062	1.58	15.1	19.5	3.71	1240	1.54	1.68	6.5	121.0	500
YY20207		5.63	20.8	0.07	2.9	0.062	1.45	26.1	22.9	1.48	1020	2.22	2.00	10.7	60.2	760
YY20208		5.28	18.55	0.07	2.3	0.056	1.85	37.0	19.5	2.02	1400	2.29	2.14	8.8	83.4	700
YY20209		3.90	17.25	0.06	2.5	0.049	1.36	45.8	18.9	1.10	831	2.75	1.80	8.1	34.9	1160
YY20210		3.92	17.80	0.07	2.5	0.054	1.57	30.8	19.8	1.11	816	1.93	1.98	7.9	36.2	1000
YY20211		4.32	18.45	0.12	2.7	0.061	1.48	62.6	21.2	1.28	848	3.04	1.80	8.5	50.0	1020
YY20212		3.24	16.95	0.05	2.7	0.035	1.69	30.5	18.1	0.98	765	2.79	2.07	7.2	30.6	970
YY20213		3.84	16.60	0.05	2.5	0.044	1.60	21.0	16.8	1.28	885	1.92	1.98	7.7	44.3	980
YY20214		4.61	19.65	0.09	2.7	0.060	1.63	33.7	18.6	1.11	1580	1.90	2.05	10.8	39.6	850
YY20215		4.26	16.30	0.07	2.2	0.050	1.45	23.7	17.1	1.74	923	1.30	1.80	6.8	74.8	890
YY20216		2.76	17.70	0.06	3.3	0.022	2.10	21.7	18.3	0.62	767	1.64	2.52	7.2	15.8	560
YY20217		3.77	16.40	0.05	2.5	0.043	1.46	24.2	15.8	1.31	794	1.51	1.91	7.1	38.8	1050
YY20218		4.41	17.50	0.07	2.5	0.055	1.44	28.0	16.8	1.65	918	2.20	1.79	8.4	54.0	910
YY20219		3.49	16.55	0.07	2.4	0.047	1.62	25.2	16.7	1.38	910	1.69	1.87	6.9	52.9	880
YY20220		2.66	16.60	<0.05	2.9	0.028	1.88	18.0	17.8	0.93	585	1.63	2.39	6.3	20.6	710
YY20221		3.98	17.00	0.09	2.4	0.048	1.46	28.7	18.3	1.41	996	2.23	1.85	7.8	50.1	980
YY20222		3.25	14.55	0.09	2.3	0.040	1.30	24.3	15.6	0.96	787	1.47	1.68	6.9	38.0	970
YY20223		3.87	17.55	0.07	2.7	0.056	1.81	19.0	16.5	1.16	893	1.82	2.37	8.6	37.6	730
YY20224		5.33	15.95	<0.05	1.7	0.048	0.98	13.3	13.4	2.34	1110	1.49	1.92	5.7	56.2	1020
YY20225		5.00	16.50	0.08	2.3	0.045	1.19	17.2	18.9	2.07	922	1.99	1.78	7.8	63.6	980
YY20226		5.09	18.35	0.08	2.5	0.057	1.35	16.5	18.5	1.85	936	2.14	2.18	8.7	41.7	970
YY20227		7.74	16.85	<0.05	1.3	0.064	1.04	9.7	11.4	5.56	1520	0.98	1.71	4.1	168.0	780
YY20228		3.89	16.15	0.05	2.8	0.046	1.18	15.6	16.5	1.16	765	1.94	1.82	7.8	26.9	1260
YY20229		6.39	15.40	0.09	2.0	0.064	0.75	13.4	21.6	2.39	1200	1.59	1.52	6.7	169.0	910
YY20230		5.44	15.95	0.10	1.7	0.066	0.96	18.1	21.9	1.75	1050	1.87	1.35	6.4	79.8	1120
YY20231		7.39	18.80	0.10	1.2	0.093	1.42	16.6	16.6	1.60	1300	1.81	1.32	4.1	41.6	730



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY20192		11.1	66.3	0.003	0.10	1.10	18.3	<1	1.5	314	0.63	0.22	10.45	0.439	0.36	3.9
YY20193		10.2	51.8	0.002	0.05	1.02	10.5	<1	1.4	374	0.66	<0.05	4.57	0.508	0.36	2.2
YY20194		11.0	54.1	<0.002	0.07	0.91	12.7	1	1.1	393	0.54	0.07	6.21	0.426	0.34	2.5
YY20195		10.4	47.8	<0.002	0.06	0.90	16.3	1	1.0	356	0.48	0.07	4.35	0.415	0.29	1.8
YY20196		11.7	92.3	0.004	0.13	2.76	17.2	1	3.5	330	0.65	1.41	11.70	0.328	0.40	4.3
YY20197		11.6	81.3	0.002	0.10	3.51	20.1	1	1.9	317	0.58	0.75	8.65	0.355	0.37	3.1
YY20198		10.3	61.9	<0.002	0.05	2.24	19.8	1	1.6	307	0.64	0.32	6.85	0.442	0.38	2.4
YY20199		9.4	55.2	<0.002	0.09	1.02	13.1	1	1.1	329	0.52	0.13	6.57	0.400	0.34	2.5
YY20200		9.6	56.5	<0.002	0.08	1.33	18.1	1	1.5	271	0.68	0.11	7.07	0.513	0.34	2.4
YY20201		9.5	52.8	<0.002	0.07	0.97	10.4	1	1.0	450	0.52	0.06	5.46	0.369	0.31	2.1
YY20202		9.6	49.1	<0.002	0.08	1.02	12.7	1	1.1	367	0.56	0.07	5.43	0.410	0.30	2.2
YY20203		9.6	47.4	<0.002	0.09	1.05	12.2	1	1.1	328	0.50	0.10	5.34	0.385	0.27	2.1
YY20204		9.3	51.7	<0.002	0.09	1.15	13.2	1	1.1	350	0.53	0.07	5.89	0.375	0.32	2.3
YY20205		9.6	67.8	<0.002	0.07	2.16	21.6	1	1.7	283	0.69	0.15	10.25	0.485	0.36	2.9
YY20206		6.5	58.2	<0.002	0.02	1.24	24.4	1	1.0	350	0.40	0.21	3.58	0.447	0.33	1.5
YY20207		11.8	59.5	<0.002	0.03	1.78	16.6	1	1.4	366	0.68	0.27	5.36	0.572	0.38	2.4
YY20208		9.0	58.8	<0.002	0.02	3.49	20.1	<1	1.3	335	0.59	0.16	7.03	0.446	0.35	2.6
YY20209		9.5	51.0	<0.002	0.07	1.26	13.8	1	1.2	351	0.52	0.07	5.94	0.405	0.30	2.5
YY20210		9.7	52.5	<0.002	0.05	1.03	12.3	<1	1.2	362	0.53	0.08	6.22	0.383	0.32	2.4
YY20211		10.7	56.2	<0.002	0.07	1.39	15.7	<1	1.3	339	0.57	0.13	7.95	0.394	0.32	4.1
YY20212		9.6	54.8	<0.002	0.06	1.15	10.9	1	1.0	407	0.50	0.10	5.79	0.334	0.30	2.4
YY20213		8.6	52.1	<0.002	0.06	1.40	13.5	<1	1.1	413	0.50	<0.05	4.71	0.387	0.29	2.0
YY20214		11.4	60.8	<0.002	0.04	1.40	15.9	<1	1.5	358	0.70	0.05	6.78	0.467	0.34	2.3
YY20215		8.0	49.8	<0.002	0.06	2.64	17.9	1	0.9	356	0.43	<0.05	4.56	0.387	0.25	2.6
YY20216		10.1	53.6	<0.002	0.03	0.93	6.6	1	0.8	456	0.51	<0.05	5.25	0.293	0.32	2.2
YY20217		8.4	47.3	<0.002	0.07	1.11	13.5	<1	1.1	393	0.48	<0.05	5.37	0.378	0.26	2.4
YY20218		9.0	55.0	0.002	0.06	0.99	16.7	<1	1.2	344	0.54	<0.05	6.05	0.416	0.31	2.4
YY20219		10.7	56.2	<0.002	0.07	1.06	13.4	<1	0.9	384	0.47	<0.05	5.43	0.330	0.29	2.3
YY20220		8.9	48.3	<0.002	0.05	0.72	7.8	1	0.8	527	0.42	<0.05	5.04	0.278	0.30	2.1
YY20221		10.3	54.5	<0.002	0.06	0.92	14.7	1	1.1	356	0.51	0.05	6.11	0.383	0.29	2.5
YY20222		8.8	44.4	<0.002	0.09	1.44	12.4	1	0.9	317	0.44	<0.05	4.69	0.322	0.28	2.2
YY20223		9.4	53.2	<0.002	0.04	1.19	12.6	1	1.0	408	0.53	<0.05	5.32	0.371	0.27	1.9
YY20224		7.0	30.3	<0.002	0.06	1.02	21.7	1	0.9	360	0.33	0.05	2.83	0.438	0.19	1.4
YY20225		8.9	45.8	<0.002	0.06	1.20	16.3	1	1.0	334	0.47	0.05	4.33	0.480	0.29	2.0
YY20226		10.1	44.8	<0.002	0.04	1.45	17.7	<1	1.1	361	0.53	0.07	4.19	0.551	0.31	1.8
YY20227		6.1	27.7	<0.002	0.01	0.45	32.3	1	0.8	301	0.25	<0.05	1.64	0.521	0.19	0.7
YY20228		9.6	37.5	<0.002	0.09	1.03	11.8	<1	1.1	363	0.47	<0.05	4.01	0.431	0.25	1.7
YY20229		12.4	23.4	<0.002	0.06	5.60	23.0	<1	1.0	239	0.41	0.08	2.65	0.495	0.16	1.1
YY20230		9.3	34.5	0.002	0.07	3.24	25.1	1	0.9	254	0.42	0.09	3.16	0.411	0.19	1.4
YY20231		7.3	35.4	0.002	0.07	1.18	38.0	1	0.9	222	0.25	0.06	1.83	0.584	0.17	1.2



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		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY20192		126	0.9	52.9	120	95.0
YY20193		115	0.7	12.3	64	116.5
YY20194		109	0.7	16.0	100	114.5
YY20195		133	0.8	14.1	101	91.4
YY20196		103	8.0	29.5	110	82.7
YY20197		123	2.2	27.2	122	73.6
YY20198		138	1.6	24.8	114	79.6
YY20199		105	0.8	17.7	95	100.0
YY20200		140	1.1	20.6	106	89.2
YY20201		85	0.9	14.1	79	120.0
YY20202		96	0.8	17.0	90	110.0
YY20203		96	0.9	14.3	76	96.4
YY20204		90	1.3	18.4	84	100.0
YY20205		136	1.7	27.9	106	92.4
YY20206		166	0.6	14.5	102	87.0
YY20207		160	1.0	17.3	105	117.5
YY20208		134	2.0	28.4	119	82.9
YY20209		102	0.9	23.4	94	100.5
YY20210		100	1.0	17.1	94	103.0
YY20211		106	1.0	37.9	90	99.6
YY20212		80	0.8	16.3	87	108.0
YY20213		99	0.7	13.7	95	98.2
YY20214		117	0.8	17.2	102	110.0
YY20215		114	0.9	18.6	88	88.0
YY20216		63	0.7	10.8	76	126.5
YY20217		100	0.8	15.8	104	95.1
YY20218		116	0.9	17.4	106	94.7
YY20219		89	0.7	16.2	89	95.0
YY20220		63	0.6	9.9	70	116.5
YY20221		101	0.7	18.2	96	98.3
YY20222		82	0.7	16.8	80	104.5
YY20223		91	0.7	12.8	92	105.0
YY20224		177	0.5	14.9	105	68.9
YY20225		144	0.6	13.6	97	90.9
YY20226		169	0.7	14.7	97	96.2
YY20227		263	0.4	14.9	134	40.6
YY20228		109	0.5	12.5	86	105.0
YY20229		175	0.6	13.9	116	65.4
YY20230		156	0.6	19.4	91	57.9
YY20231		276	0.5	27.5	110	37.5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY20232		0.40	0.007	0.10	9.18	23.6	340	0.97	0.08	1.94	0.15	26.9	47.8	34	1.51	114.0
YY20233		0.21	0.020	0.19	8.96	39.3	410	1.20	0.13	1.82	0.33	39.4	40.6	60	2.26	148.5
YY20234		0.20	0.020	0.18	8.19	53.9	430	1.10	0.11	2.23	0.30	37.1	26.8	63	2.24	105.5
YY20235		0.24	0.018	0.18	8.53	16.3	440	1.23	0.29	1.86	0.14	26.6	46.2	114	2.44	238
YY20236		0.09	0.007	0.15	5.82	9.2	470	0.98	0.15	3.04	0.24	30.7	19.6	83	1.76	143.5
YY20237		0.23	0.006	0.14	7.39	7.8	680	0.97	0.09	2.68	0.15	29.5	29.5	99	1.53	134.0
YY20238		0.20	0.005	0.24	6.53	10.4	500	1.00	0.11	2.96	0.14	32.3	27.1	115	1.71	252
YY20239		0.13	0.017	0.12	7.05	8.8	570	1.14	0.15	2.36	0.15	37.4	28.0	99	1.78	85.8
YY20240		0.17	0.004	0.10	6.69	11.0	580	1.25	0.13	2.21	0.19	40.8	19.9	71	2.07	97.0
YY20241		0.18	0.021	0.16	6.77	8.3	530	1.14	0.11	2.60	0.21	39.6	26.0	120	1.95	102.0
YY20242		0.16	0.020	0.17	5.87	7.1	500	1.00	0.16	2.46	0.17	33.1	21.9	98	1.82	103.0
YY20243		0.28	0.055	0.16	7.33	8.3	530	0.80	0.38	5.29	0.36	21.0	49.2	374	1.26	113.0
YY20244		0.15	0.070	0.20	7.42	23.8	550	1.53	0.17	1.99	0.36	51.8	17.5	81	1.57	42.6
YY20245		0.29	0.021	0.10	7.87	6.0	500	1.95	0.12	2.36	0.14	71.8	25.9	393	1.27	30.4
YY20246		0.22	0.104	0.57	7.83	6.5	410	1.89	1.30	2.82	0.25	32.0	36.4	515	1.99	154.5
YY20247		0.16	0.004	0.13	7.56	14.2	710	1.34	0.20	2.00	0.23	43.8	18.9	104	2.90	47.3
YY20248		0.26	0.018	0.15	7.74	13.4	750	1.41	0.20	2.15	0.40	50.9	24.1	114	2.18	56.6
YY20249		0.15	0.007	0.13	7.34	12.7	690	1.45	0.17	2.08	0.39	52.4	17.0	95	2.18	52.3
YY20250		0.22	0.022	0.16	7.62	8.1	650	0.99	0.12	3.52	0.26	25.9	38.4	327	1.34	91.0
YY20251		0.18	0.037	0.22	7.12	9.4	610	1.74	0.16	2.26	0.16	56.6	22.4	122	1.95	56.0
YY20252		0.19	0.005	0.10	7.35	12.4	630	1.36	0.15	2.46	0.26	46.7	20.7	86	2.15	43.9
YY20253		0.29	0.010	0.13	7.93	11.0	530	2.18	0.15	2.06	0.16	55.0	27.8	209	2.12	47.7
YY20254		0.20	0.004	0.18	7.48	14.7	690	1.47	0.20	2.29	0.40	55.1	24.3	97	2.28	46.6
YY20255		0.16	0.001	0.09	8.25	9.7	640	1.04	0.10	3.25	0.14	30.9	30.6	73	2.10	125.5
YY20256		0.19	0.003	0.16	7.71	9.9	640	1.10	0.12	3.11	0.15	31.0	23.6	93	1.71	66.0
YY20257		0.25	0.001	0.11	7.74	9.0	720	1.29	0.12	2.66	0.13	36.9	22.2	133	1.89	77.4
YY20258		0.28	0.001	0.04	8.04	7.6	370	1.32	0.07	2.88	0.08	23.6	35.7	409	1.78	61.4
YY20259		0.24	0.001	0.14	8.16	11.2	680	1.54	0.10	2.47	0.10	36.2	23.1	186	1.67	35.6
YY20260		0.22	<0.001	0.03	6.99	6.3	250	0.90	0.04	5.01	0.08	30.0	50.1	714	1.10	49.1
YY20261		0.21	0.002	0.03	8.25	6.5	430	0.90	0.06	4.38	0.09	20.0	34.0	90	0.99	98.1
YY20262		0.34	0.007	0.12	7.92	11.3	510	0.98	0.07	3.23	0.12	37.1	35.7	168	1.59	141.5
YY20263		0.20	0.004	0.11	6.85	6.5	550	0.99	0.10	3.17	0.10	31.6	21.3	97	1.47	110.0
YY20264		0.24	0.002	0.11	8.16	15.8	660	1.31	0.14	2.46	0.12	41.4	25.8	155	2.57	50.9
YY20265		0.14	0.001	0.16	6.38	9.7	580	1.00	0.10	3.35	0.25	34.6	19.9	100	1.73	111.5
YY20266		0.19	0.004	0.12	7.27	12.1	530	1.18	0.06	3.69	0.18	39.9	34.4	319	1.81	81.7
YY20267		0.16	0.003	0.11	7.03	7.9	530	0.92	0.09	3.64	0.14	30.3	27.3	193	1.76	91.3
YY20268		0.15	0.003	0.25	6.71	6.6	530	0.88	0.09	3.71	0.20	29.1	25.7	151	1.33	92.2
YY20269		0.18	0.008	0.12	7.05	10.5	520	1.03	0.10	3.28	0.20	34.0	26.6	150	2.01	95.2
YY20270		0.20	0.001	0.11	7.09	8.0	640	1.25	0.12	2.75	0.14	44.8	16.1	136	1.62	55.2
YY20271		0.19	0.001	0.18	7.12	9.6	700	1.24	0.14	2.65	0.30	37.5	14.2	69	1.84	60.8



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY20232		8.91	18.45	0.09	1.0	0.086	1.90	11.1	19.3	2.16	1500	0.97	0.67	2.9	31.4	790
YY20233		8.07	16.80	0.10	1.8	0.074	1.40	19.0	16.1	1.26	1310	1.49	1.28	4.2	33.6	980
YY20234		6.05	15.10	0.10	1.9	0.073	1.16	19.2	16.8	1.16	1010	1.22	1.46	5.3	28.9	1200
YY20235		8.38	18.40	0.10	1.4	0.102	1.15	11.7	18.7	3.13	1580	1.48	1.57	6.1	75.5	1040
YY20236		4.25	12.00	0.09	1.7	0.055	0.93	16.4	14.1	1.40	1240	1.32	1.18	4.9	35.1	1330
YY20237		6.13	15.65	0.09	1.5	0.061	1.28	14.9	13.9	2.30	1200	1.20	1.63	4.8	50.3	1010
YY20238		5.39	13.85	0.09	2.0	0.050	0.98	16.3	15.0	2.25	1170	2.14	1.57	6.2	48.1	1370
YY20239		5.27	14.55	0.09	1.9	0.051	1.12	16.6	15.0	1.92	1180	2.25	1.83	6.8	43.6	1040
YY20240		4.59	14.75	0.10	2.6	0.051	1.18	18.8	17.6	1.39	1120	2.49	1.81	8.4	31.1	1330
YY20241		4.77	14.65	0.11	2.4	0.050	1.12	18.6	16.0	1.94	1320	1.73	1.76	7.3	49.0	1230
YY20242		4.09	12.45	0.10	2.1	0.043	0.98	15.7	14.3	1.57	1020	1.71	1.50	6.4	40.4	1410
YY20243		6.47	14.20	0.10	1.4	0.062	1.01	9.4	15.8	4.39	1600	2.92	1.34	5.7	184.0	780
YY20244		4.55	15.65	0.12	2.4	0.074	1.62	30.3	14.6	1.13	899	2.86	1.96	8.3	34.2	940
YY20245		6.12	17.80	0.14	2.2	0.085	2.01	37.7	12.0	2.66	1530	1.44	1.85	9.5	110.5	470
YY20246		6.39	16.85	0.10	2.2	0.091	1.71	16.4	13.8	3.32	1510	1.32	1.56	5.1	175.0	680
YY20247		5.49	18.40	0.10	3.2	0.066	1.17	20.8	24.2	1.24	749	3.04	1.85	12.8	37.6	930
YY20248		5.65	17.85	0.10	2.7	0.077	1.20	22.8	24.1	1.48	1220	2.36	1.81	12.5	45.7	1060
YY20249		4.77	16.85	0.11	3.0	0.064	1.27	24.6	22.8	1.29	872	2.13	1.93	11.8	36.0	1230
YY20250		6.14	14.85	0.10	1.6	0.070	0.97	11.7	16.8	3.76	1340	1.27	1.53	7.3	145.0	910
YY20251		4.89	15.55	0.12	2.2	0.058	1.37	31.5	16.9	2.04	1140	3.42	1.71	8.0	59.1	1250
YY20252		5.06	16.65	0.10	2.7	0.058	1.17	21.2	21.1	1.41	1000	2.09	1.96	10.6	33.8	1260
YY20253		6.22	17.85	0.12	2.0	0.069	1.21	27.6	20.5	2.80	1240	2.93	1.79	9.5	86.2	870
YY20254		5.23	17.00	0.10	3.0	0.063	1.14	20.9	23.2	1.48	1230	2.34	1.84	11.7	43.6	1310
YY20255		6.45	17.05	0.10	1.9	0.054	1.10	13.8	21.4	2.55	902	1.12	1.94	5.7	40.9	920
YY20256		5.50	16.80	0.10	2.4	0.050	1.23	14.7	18.9	2.03	858	1.64	2.07	7.5	36.7	830
YY20257		4.93	17.00	0.11	2.5	0.055	1.30	17.6	19.2	1.68	988	1.88	2.15	7.7	49.5	910
YY20258		6.62	16.80	0.09	1.3	0.061	0.96	10.2	14.7	2.72	842	1.04	1.47	6.2	138.5	400
YY20259		5.96	18.45	0.10	1.4	0.074	0.99	14.5	20.3	2.46	1140	1.74	1.99	11.1	67.1	620
YY20260		7.38	14.65	0.11	1.3	0.068	0.73	17.2	17.1	6.54	1460	0.47	1.03	4.0	277	490
YY20261		6.95	17.15	0.08	1.6	0.060	0.69	7.2	13.5	2.87	1090	0.76	2.34	5.2	47.9	660
YY20262		7.07	15.85	0.10	1.4	0.065	1.08	18.5	19.6	3.50	1180	0.88	1.79	5.5	65.6	530
YY20263		4.13	13.55	0.10	2.1	0.040	1.13	15.9	15.9	1.94	784	1.26	1.87	5.2	43.4	950
YY20264		6.21	17.70	0.10	2.5	0.068	1.02	17.5	22.6	1.98	982	1.91	1.79	11.9	62.2	710
YY20265		3.96	13.05	0.09	2.0	0.042	0.95	19.0	16.6	1.59	777	1.63	1.53	5.9	47.9	1220
YY20266		6.00	16.10	0.09	1.8	0.056	1.05	21.0	14.8	3.33	1170	1.19	1.68	7.6	142.0	1190
YY20267		5.00	13.85	0.07	1.6	0.046	0.92	15.6	16.4	2.67	1000	1.17	1.60	5.4	73.6	1050
YY20268		4.91	13.30	0.06	1.6	0.045	0.89	14.0	13.4	2.48	962	1.33	1.53	5.0	55.6	810
YY20269		4.94	14.65	0.08	1.7	0.048	0.87	17.2	17.3	2.23	882	1.32	1.43	5.9	59.2	1090
YY20270		3.70	16.10	0.09	2.7	0.039	1.33	21.8	18.2	1.37	874	1.57	1.97	8.0	42.2	1080
YY20271		3.47	15.80	0.09	2.6	0.039	1.41	19.7	18.9	1.05	686	1.60	2.12	8.0	29.3	1010



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
YY20232	4.2	40.7	0.003	0.22	0.74	49.8	1	0.8	93.7	0.17	0.11	1.20	0.697	0.25	0.4	
YY20233	8.8	43.1	0.002	0.21	1.69	39.1	1	0.8	229	0.26	0.17	2.19	0.503	0.18	0.9	
YY20234	11.6	38.2	0.002	0.11	1.65	28.9	1	0.9	257	0.33	0.09	2.55	0.491	0.20	1.2	
YY20235	6.6	20.8	0.002	0.07	2.14	45.0	1	1.0	209	0.34	0.07	1.45	0.740	0.16	0.6	
YY20236	8.0	33.0	0.003	0.15	1.19	18.6	1	0.8	240	0.31	0.05	2.60	0.394	0.18	1.3	
YY20237	6.8	46.2	0.002	0.09	1.09	30.5	<1	0.8	281	0.32	0.06	2.13	0.446	0.20	1.0	
YY20238	7.3	36.5	0.002	0.11	1.15	21.1	1	0.9	306	0.39	0.08	2.86	0.442	0.21	1.4	
YY20239	7.3	42.4	<0.002	0.10	1.23	20.2	1	1.0	281	0.42	0.12	2.92	0.452	0.23	1.3	
YY20240	9.9	41.7	0.002	0.11	1.21	16.1	1	1.1	311	0.52	0.07	3.93	0.454	0.25	1.7	
YY20241	7.1	44.8	0.002	0.10	1.23	19.7	<1	1.0	298	0.45	0.19	3.17	0.437	0.23	1.4	
YY20242	7.0	42.9	0.003	0.14	1.07	15.5	1	0.9	272	0.40	0.17	2.98	0.390	0.24	1.4	
YY20243	7.4	29.7	0.002	0.06	1.15	28.0	1	1.3	266	0.34	0.89	1.41	0.477	0.21	0.7	
YY20244	8.5	58.9	0.002	0.10	3.22	15.1	<1	1.6	321	0.52	0.35	4.99	0.447	0.30	3.1	
YY20245	10.5	67.0	0.002	0.07	1.09	24.8	<1	1.9	215	0.63	0.23	9.04	0.399	0.34	3.3	
YY20246	6.9	62.4	0.002	0.05	0.86	23.3	<1	1.2	319	0.35	1.58	3.49	0.409	0.50	2.1	
YY20247	11.9	47.6	0.002	0.05	1.44	15.3	<1	1.7	304	0.74	0.11	4.55	0.661	0.38	2.2	
YY20248	10.7	51.0	0.002	0.06	1.21	16.5	<1	1.7	310	0.71	0.14	4.75	0.637	0.34	2.0	
YY20249	10.8	46.8	0.002	0.06	1.22	14.2	1	1.5	327	0.70	0.09	5.07	0.539	0.33	2.2	
YY20250	5.1	35.2	0.002	0.04	0.94	29.9	<1	2.9	257	0.42	0.09	1.89	0.528	0.21	1.0	
YY20251	7.9	61.6	0.002	0.08	1.00	16.9	<1	1.2	274	0.51	0.17	5.89	0.449	0.30	2.1	
YY20252	10.0	43.6	0.003	0.07	1.19	14.3	1	1.4	386	0.62	0.06	4.30	0.572	0.30	1.8	
YY20253	8.9	51.0	0.002	0.04	1.02	21.1	<1	1.3	255	0.56	0.09	4.47	0.566	0.29	1.8	
YY20254	11.2	44.6	0.002	0.07	1.44	15.8	1	1.5	324	0.71	0.07	4.88	0.566	0.31	2.0	
YY20255	7.1	32.2	0.002	0.04	0.85	20.7	<1	0.9	389	0.35	<0.05	2.34	0.486	0.20	1.1	
YY20256	9.9	33.8	<0.002	0.04	0.85	16.8	<1	1.0	404	0.44	<0.05	3.03	0.498	0.25	1.3	
YY20257	8.2	37.8	0.002	0.03	1.09	17.1	<1	1.1	362	0.48	<0.05	3.45	0.473	0.28	1.6	
YY20258	5.3	25.0	<0.002	0.02	1.25	23.5	<1	1.1	306	0.40	<0.05	2.23	0.478	0.17	1.3	
YY20259	8.6	24.5	<0.002	0.02	1.05	20.1	<1	1.5	284	0.61	0.05	2.48	0.565	0.21	1.2	
YY20260	2.3	28.5	0.002	0.01	0.33	37.9	<1	0.9	228	0.23	<0.05	2.39	0.450	0.14	1.0	
YY20261	5.3	6.8	0.002	0.01	0.64	24.8	<1	0.9	340	0.31	<0.05	1.42	0.531	0.17	0.7	
YY20262	6.7	28.0	0.002	0.02	3.25	30.6	1	1.0	291	0.32	<0.05	2.92	0.502	0.16	0.9	
YY20263	6.9	33.7	0.002	0.07	0.76	14.9	<1	0.8	378	0.34	<0.05	3.12	0.361	0.20	1.5	
YY20264	10.2	35.5	<0.002	0.03	1.44	18.8	1	1.5	289	0.67	0.05	4.13	0.659	0.32	1.8	
YY20265	7.9	35.4	<0.002	0.10	1.14	14.3	1	0.8	341	0.37	<0.05	3.46	0.394	0.25	1.9	
YY20266	7.0	37.3	<0.002	0.04	2.09	25.2	<1	0.9	323	0.44	<0.05	3.19	0.562	0.17	1.6	
YY20267	11.0	34.6	<0.002	0.07	1.31	20.9	1	0.8	321	0.32	<0.05	2.92	0.429	0.21	1.6	
YY20268	7.8	33.2	<0.002	0.07	0.86	20.6	<1	0.8	305	0.32	<0.05	2.71	0.400	0.20	1.5	
YY20269	7.5	37.1	<0.002	0.07	1.13	21.6	1	0.9	315	0.36	<0.05	3.37	0.438	0.23	1.8	
YY20270	10.2	42.6	<0.002	0.06	1.01	12.1	1	1.0	419	0.47	<0.05	4.41	0.400	0.29	2.2	
YY20271	10.9	42.0	<0.002	0.06	1.09	10.4	<1	1.1	443	0.51	<0.05	4.05	0.412	0.30	2.0	



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
YY20232		395	0.4	24.6	107	28.2
YY20233		261	0.8	37.2	129	61.9
YY20234		207	0.7	26.6	106	66.1
YY20235		321	1.2	28.9	127	40.0
YY20236		133	0.6	23.3	90	67.3
YY20237		210	0.6	20.4	99	53.3
YY20238		176	0.6	17.7	87	71.0
YY20239		162	0.9	14.6	92	64.9
YY20240		136	0.8	16.7	90	93.5
YY20241		148	1.0	18.9	97	77.1
YY20242		119	0.8	15.1	85	73.8
YY20243		167	1.4	16.2	141	46.8
YY20244		114	1.4	25.0	130	83.1
YY20245		136	1.2	41.9	138	65.4
YY20246		178	1.9	15.9	135	76.8
YY20247		166	0.9	15.7	102	120.5
YY20248		157	0.9	16.7	124	102.0
YY20249		127	0.8	16.0	137	127.0
YY20250		174	0.9	16.0	156	55.7
YY20251		129	1.1	19.5	106	76.5
YY20252		137	0.6	15.7	122	99.8
YY20253		175	0.7	18.0	121	71.7
YY20254		138	0.7	16.8	154	106.5
YY20255		200	0.4	14.2	93	68.3
YY20256		170	0.6	13.5	90	83.7
YY20257		139	0.7	16.2	92	90.4
YY20258		210	0.5	10.8	83	36.8
YY20259		153	0.6	15.1	113	50.7
YY20260		246	0.2	17.6	125	34.0
YY20261		251	0.4	13.6	101	53.7
YY20262		251	1.3	22.3	96	46.1
YY20263		124	0.4	13.3	81	75.9
YY20264		177	0.7	16.6	111	91.8
YY20265		119	0.6	16.1	78	72.9
YY20266		169	0.8	21.0	99	66.6
YY20267		156	0.6	15.5	103	69.7
YY20268		157	0.5	14.9	91	57.7
YY20269		161	0.7	17.1	86	71.0
YY20270		103	0.9	15.0	85	102.0
YY20271		95	0.6	13.4	81	102.5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY20272		0.23	0.004	0.18	8.17	8.2	590	0.99	0.08	3.48	0.10	24.4	34.7	138	1.35	143.0
YY20273		0.25	0.002	0.06	7.65	8.8	670	1.49	0.08	3.17	0.11	76.7	30.0	313	1.58	52.4
YY20274		0.24	0.001	0.10	7.78	15.6	720	1.46	0.18	2.10	0.25	50.1	23.0	117	2.53	47.9
YY20275		0.20	0.002	0.09	7.51	14.3	640	1.36	0.15	2.29	0.26	61.0	22.5	167	2.20	40.0
YY20276		0.23	0.001	0.14	7.14	14.1	630	1.24	0.15	2.38	0.32	51.2	21.4	119	2.32	45.3
YY20277		0.19	0.001	0.13	7.43	14.9	560	1.40	0.10	2.08	0.16	46.0	20.1	184	2.20	51.7
YY20278		0.27	0.002	0.06	8.56	12.2	360	1.86	0.08	2.36	0.14	40.4	33.5	622	3.77	52.6
YY20279		0.26	0.001	0.07	7.82	15.1	740	1.36	0.14	1.61	0.11	46.6	16.6	114	2.79	33.3
YY20280		0.33	0.001	0.06	8.56	14.8	710	1.71	0.09	1.80	0.12	57.4	23.0	225	2.87	41.8
YY20281		0.27	0.002	0.05	8.12	14.0	440	1.59	0.06	2.53	0.10	43.0	27.8	388	1.62	40.3
YY20282		0.26	0.003	0.06	7.93	10.3	530	1.45	0.07	2.61	0.17	50.5	31.5	384	1.68	46.1
YY20283		0.23	0.001	0.08	7.65	6.4	420	1.83	0.09	2.81	0.19	51.3	35.2	629	2.13	55.4
YY20284		0.19	0.002	0.08	7.81	9.3	530	1.54	0.09	2.65	0.15	47.3	26.7	328	1.78	56.7
YY20285		0.27	0.008	0.14	6.90	12.0	480	1.44	0.39	2.43	0.18	50.9	25.8	249	1.69	50.1
YY20286		0.22	0.018	0.17	7.26	10.1	580	1.41	0.14	2.34	0.37	47.8	22.8	191	1.85	43.5
YY20287		0.29	0.018	0.11	8.31	12.9	590	1.37	0.13	2.69	0.18	41.0	37.5	317	1.56	116.0
YY20288		0.33	0.060	0.43	8.36	11.9	500	1.97	0.46	1.91	0.20	68.6	23.5	262	1.40	43.1
YY20289		0.25	0.003	0.11	8.11	17.3	710	1.54	0.19	2.14	0.22	54.8	24.2	119	2.71	36.1
YY20290		0.23	0.002	0.08	7.84	9.3	580	1.15	0.09	3.95	0.17	44.1	34.2	286	1.67	54.0
YY20291		0.21	0.002	0.12	7.42	11.2	610	1.14	0.11	3.07	0.23	49.0	27.4	253	1.95	55.3
YY20292		0.26	0.001	0.10	7.48	12.1	610	1.47	0.11	2.77	0.17	50.9	24.8	155	1.93	59.5
YY20293		0.21	<0.001	0.06	6.45	8.3	560	1.16	0.11	2.83	0.49	40.6	16.4	161	1.52	36.9
YY20294		0.26	0.002	0.08	7.47	11.3	690	1.28	0.10	2.93	0.16	52.6	23.9	256	1.49	49.1
YY20295		0.29	0.001	0.10	7.48	15.5	560	1.37	0.09	3.07	0.14	52.2	31.0	335	1.57	62.7
YY20296		0.20	0.001	0.06	7.52	17.3	550	1.17	0.07	3.47	0.10	51.4	30.2	370	1.32	47.0
YY20297		0.27	0.001	0.08	7.82	18.3	590	1.18	0.09	2.84	0.16	49.9	27.5	302	1.70	50.7
YY20298		0.22	0.002	0.09	7.44	10.7	530	1.43	0.07	2.38	0.16	47.2	27.6	382	1.84	51.5
YY20299		0.23	0.001	0.15	7.62	8.1	640	1.80	0.19	1.95	0.19	52.2	20.7	210	2.04	53.9
YY20300		0.35	0.003	0.07	7.56	10.9	460	1.56	0.19	3.23	0.11	61.4	35.5	484	1.05	67.8
YY20301		0.19	0.010	0.14	7.30	10.3	560	1.11	0.13	3.25	0.22	29.8	33.9	260	1.86	93.9
YY20302		0.29	0.020	0.21	7.22	9.4	620	1.15	0.12	2.91	0.22	34.2	26.4	145	1.61	188.0
YY20303		0.32	0.003	0.10	8.48	15.0	750	1.36	0.20	1.88	0.15	50.7	26.0	107	2.72	57.9
YY20304		0.23	0.003	0.11	7.62	13.3	680	1.23	0.16	2.10	0.16	43.3	21.3	116	2.45	107.0
YY20305		0.28	0.046	0.10	10.50	68.1	350	1.07	0.09	1.82	0.20	25.8	42.0	140	3.45	45.3
YY20306		0.27	0.004	0.16	8.67	26.7	600	1.19	0.14	1.77	0.31	50.1	29.9	103	3.21	68.4
YY20307		0.31	0.003	0.12	8.55	21.3	500	1.09	0.13	1.82	0.27	41.9	29.0	99	2.48	63.0
YY20308		0.25	0.008	0.15	9.94	23.7	400	1.11	0.12	1.28	0.31	41.4	26.4	98	1.88	67.0
YY20309		0.26	0.002	0.14	8.81	13.8	620	1.25	0.12	1.76	0.15	43.3	19.1	84	2.24	66.4
YY20310		0.33	0.005	0.18	9.48	29.5	480	1.25	0.12	1.88	0.24	45.8	38.9	119	2.77	103.5
YY20311		0.27	0.004	0.11	9.83	39.0	580	1.10	0.10	1.55	0.18	37.3	31.8	129	2.96	94.3



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY20272		6.54	16.35	0.07	1.1	0.060	0.66	9.5	15.9	3.07	1160	1.08	1.84	4.5	63.3	700
YY20273		5.85	16.40	0.09	2.4	0.064	1.13	24.5	15.3	2.97	1130	1.33	1.68	12.4	115.0	740
YY20274		5.24	17.60	0.09	2.7	0.061	1.17	22.6	24.4	1.44	1010	2.44	1.75	10.9	45.2	1120
YY20275		4.93	16.85	0.08	2.7	0.065	1.06	21.7	22.2	1.65	964	2.30	1.69	11.0	60.7	990
YY20276		4.81	16.00	0.08	2.4	0.057	1.04	22.3	20.1	1.42	949	2.05	1.64	9.4	46.3	1420
YY20277		4.69	15.80	0.08	2.3	0.048	1.18	26.3	15.1	1.35	817	1.66	1.52	9.6	63.0	1290
YY20278		6.71	16.80	0.08	1.8	0.066	1.32	17.1	13.0	2.50	1280	1.09	1.42	9.1	138.0	640
YY20279		4.83	17.80	0.09	2.5	0.056	1.36	23.7	18.4	1.10	799	2.14	1.67	10.7	42.6	1540
YY20280		5.60	18.90	0.10	2.4	0.067	1.60	29.7	15.4	1.44	1030	1.45	1.48	10.9	69.5	1040
YY20281		5.13	17.10	0.08	1.9	0.053	1.48	21.5	10.7	2.36	994	1.24	1.86	11.3	122.0	600
YY20282		6.04	16.80	0.09	1.9	0.064	1.56	24.1	11.3	2.40	1200	1.40	1.80	9.1	116.0	880
YY20283		6.31	16.75	0.10	2.0	0.064	1.34	24.6	15.7	3.79	1320	1.88	1.45	7.5	183.0	830
YY20284		5.50	15.95	0.10	2.4	0.050	1.17	27.9	14.0	2.34	1100	1.38	1.72	7.8	132.0	1110
YY20285		5.02	15.80	0.08	2.1	0.056	1.09	21.2	16.4	2.39	934	2.26	1.47	9.4	109.0	1210
YY20286		4.79	16.00	0.08	2.4	0.057	1.22	18.3	18.7	1.99	1030	1.65	1.70	8.2	62.9	1230
YY20287		6.50	17.60	0.08	1.4	0.067	1.56	19.0	14.1	2.29	1550	2.91	1.86	7.4	147.5	860
YY20288		5.26	18.05	0.11	2.0	0.065	1.98	32.7	13.2	1.89	1140	2.67	2.03	9.9	79.1	630
YY20289		5.77	18.50	0.09	2.6	0.071	1.14	24.6	24.1	1.56	1170	2.80	1.79	12.7	48.1	1240
YY20290		6.32	17.80	0.08	1.9	0.064	1.09	17.3	18.7	3.45	1360	1.39	1.94	8.2	112.0	800
YY20291		4.99	16.60	0.08	2.5	0.055	1.30	25.8	19.9	2.78	1020	1.49	1.74	8.6	109.0	1040
YY20292		4.92	16.95	0.07	2.7	0.049	1.24	27.0	18.8	2.13	910	1.67	1.85	11.8	79.3	1420
YY20293		3.91	14.10	0.08	2.3	0.043	1.10	20.1	16.1	1.81	606	1.31	1.65	7.4	55.7	1070
YY20294		4.61	17.05	0.09	2.8	0.048	1.62	26.3	18.5	2.55	965	1.48	2.07	8.8	95.5	910
YY20295		5.61	17.05	0.10	2.2	0.056	1.30	25.2	17.3	2.95	1060	1.54	1.76	8.4	122.0	1140
YY20296		5.56	17.00	0.08	2.3	0.068	1.40	25.7	13.4	3.05	1050	1.29	1.90	9.3	115.0	1090
YY20297		5.57	16.90	0.09	2.2	0.062	1.46	26.3	13.8	2.35	1040	1.24	1.72	8.5	97.7	1140
YY20298		5.23	16.75	0.10	2.4	0.055	1.33	24.1	13.8	2.52	902	1.84	1.49	8.5	123.5	990
YY20299		4.68	18.00	0.09	2.5	0.056	1.44	29.2	15.9	1.46	952	1.46	1.60	9.6	70.0	1020
YY20300		6.31	17.80	0.09	2.6	0.067	1.37	29.5	7.5	3.47	1050	1.45	1.65	12.7	160.5	1790
YY20301		5.30	15.00	0.07	1.8	0.049	1.00	13.1	16.1	3.41	1220	1.77	1.43	6.1	130.5	1010
YY20302		4.96	15.30	0.09	2.0	0.048	1.20	17.3	16.0	2.34	955	1.59	1.73	6.9	64.3	1060
YY20303		6.14	19.30	0.08	2.5	0.081	1.23	20.3	21.8	1.50	1270	2.53	1.61	10.7	45.3	1040
YY20304		5.07	17.10	0.07	2.6	0.061	1.21	19.7	21.1	1.36	1220	2.28	1.77	10.2	42.0	1200
YY20305		9.66	23.6	0.07	1.1	0.078	1.10	10.6	27.7	0.97	1950	0.98	0.85	3.4	65.0	1460
YY20306		6.00	18.10	0.09	2.2	0.067	1.13	23.6	22.1	1.40	1130	2.00	1.45	8.5	45.4	1150
YY20307		5.91	17.35	0.08	2.2	0.065	1.00	18.9	19.6	1.27	1230	1.58	1.51	7.0	42.8	1280
YY20308		6.78	18.95	0.09	1.5	0.069	1.57	22.0	17.0	0.88	1220	2.02	1.27	6.7	35.6	980
YY20309		4.94	17.80	0.07	2.3	0.052	1.40	21.5	20.6	0.99	1040	1.77	1.56	7.4	35.2	1180
YY20310		7.94	19.40	0.09	2.0	0.088	0.92	20.5	18.1	1.74	1440	1.62	1.69	6.8	57.7	1070
YY20311		6.72	18.50	0.08	1.6	0.069	1.56	16.7	18.6	1.51	1200	1.50	1.31	6.2	52.0	1110



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
YY20272	8.6	14.2	<0.002	0.03	0.90	26.2	<1	0.9	303	0.27	<0.05	1.72	0.497	0.19	1.0	
YY20273	7.0	35.5	<0.002	0.03	0.86	24.4	<1	1.5	390	0.77	0.06	6.71	0.654	0.21	2.3	
YY20274	12.1	46.7	<0.002	0.06	1.36	14.4	1	1.6	299	0.66	<0.05	5.07	0.596	0.39	2.4	
YY20275	11.0	42.1	<0.002	0.06	1.48	16.3	<1	1.6	305	0.68	<0.05	5.44	0.554	0.35	2.4	
YY20276	10.3	42.6	<0.002	0.09	1.34	14.2	1	1.4	313	0.57	<0.05	4.87	0.540	0.31	2.2	
YY20277	8.5	50.8	<0.002	0.08	1.11	17.8	<1	1.2	302	0.58	<0.05	6.00	0.494	0.26	3.4	
YY20278	8.1	68.1	<0.002	0.03	1.65	28.0	<1	1.3	249	0.59	<0.05	6.01	0.532	0.29	2.5	
YY20279	11.1	49.6	<0.002	0.07	1.81	14.8	1	1.6	247	0.66	<0.05	5.87	0.558	0.35	2.4	
YY20280	8.5	68.0	<0.002	0.05	1.72	21.6	<1	1.7	289	0.73	<0.05	6.55	0.528	0.32	2.7	
YY20281	6.4	59.3	<0.002	0.03	1.29	23.7	<1	1.4	320	0.74	<0.05	6.34	0.476	0.23	2.4	
YY20282	7.1	45.2	<0.002	0.03	0.92	22.9	<1	1.1	384	0.55	<0.05	4.28	0.563	0.22	1.7	
YY20283	9.6	58.0	<0.002	0.05	0.73	27.4	<1	1.2	275	0.48	<0.05	7.43	0.446	0.24	2.5	
YY20284	8.3	46.3	<0.002	0.05	1.29	20.5	1	1.0	356	0.51	<0.05	4.65	0.529	0.22	2.0	
YY20285	8.9	43.3	<0.002	0.07	0.98	19.5	<1	1.2	286	0.59	0.07	4.86	0.483	0.26	2.0	
YY20286	11.5	53.2	<0.002	0.07	1.27	17.0	<1	1.1	291	0.52	0.11	4.67	0.478	0.30	1.9	
YY20287	6.5	45.9	<0.002	0.03	3.69	24.9	<1	1.2	401	0.44	<0.05	3.17	0.527	0.24	1.3	
YY20288	12.8	71.7	<0.002	0.03	1.77	21.0	<1	1.4	287	0.72	0.31	8.03	0.443	0.32	2.4	
YY20289	13.3	47.0	<0.002	0.07	1.68	16.5	<1	1.6	296	0.76	0.05	5.30	0.671	0.40	2.3	
YY20290	6.6	23.3	<0.002	0.03	0.86	25.0	<1	1.2	367	0.49	<0.05	3.49	0.553	0.22	1.8	
YY20291	8.1	43.3	<0.002	0.05	1.03	19.0	1	1.1	356	0.52	<0.05	4.74	0.484	0.28	2.2	
YY20292	8.8	38.1	<0.002	0.06	0.95	15.9	<1	1.2	400	0.67	<0.05	6.11	0.568	0.23	2.6	
YY20293	8.7	35.8	<0.002	0.09	1.11	13.6	<1	0.9	366	0.45	<0.05	4.01	0.429	0.23	1.9	
YY20294	8.0	38.5	<0.002	0.03	0.87	16.2	1	1.1	409	0.57	<0.05	5.08	0.456	0.26	2.3	
YY20295	7.1	33.8	<0.002	0.05	1.20	22.6	<1	1.1	393	0.49	<0.05	4.47	0.500	0.20	1.8	
YY20296	6.4	39.4	<0.002	0.04	1.76	23.8	<1	1.1	451	0.52	<0.05	3.91	0.553	0.22	1.7	
YY20297	7.8	47.7	<0.002	0.05	1.39	23.3	<1	1.1	389	0.50	0.05	4.63	0.521	0.25	2.2	
YY20298	11.8	56.0	<0.002	0.06	1.19	23.7	<1	1.1	303	0.57	<0.05	4.90	0.482	0.25	2.1	
YY20299	11.8	60.8	<0.002	0.06	0.99	24.4	<1	1.3	311	0.64	<0.05	6.05	0.442	0.29	2.3	
YY20300	6.0	45.1	<0.002	0.03	0.75	28.5	1	1.1	422	0.72	<0.05	4.78	0.717	0.22	2.0	
YY20301	8.4	37.2	<0.002	0.05	0.88	22.8	<1	1.0	255	0.36	<0.05	2.54	0.463	0.27	1.3	
YY20302	11.6	43.1	<0.002	0.07	0.85	20.3	1	0.9	295	0.42	<0.05	2.91	0.461	0.24	1.5	
YY20303	10.1	46.6	<0.002	0.04	1.38	20.3	<1	1.5	270	0.64	0.07	4.49	0.655	0.39	1.9	
YY20304	10.7	43.1	<0.002	0.06	1.18	15.3	1	1.3	322	0.63	<0.05	4.21	0.579	0.33	2.1	
YY20305	9.5	21.3	0.002	0.40	3.99	46.3	<1	0.8	321	0.20	0.18	1.23	0.593	0.15	0.5	
YY20306	16.1	42.9	<0.002	0.05	1.65	26.1	1	1.3	251	0.54	0.09	3.92	0.563	0.33	1.7	
YY20307	10.3	37.3	<0.002	0.08	1.54	26.4	1	1.1	251	0.47	0.08	3.68	0.510	0.26	1.5	
YY20308	13.8	48.0	<0.002	0.08	1.87	26.4	1	1.0	260	0.47	0.08	3.12	0.494	0.25	1.2	
YY20309	10.0	47.8	0.002	0.08	1.30	20.0	<1	1.0	296	0.50	0.06	3.98	0.431	0.28	1.8	
YY20310	18.4	32.2	<0.002	0.05	1.57	37.3	1	1.1	242	0.41	0.06	3.14	0.602	0.23	1.4	
YY20311	10.9	44.5	0.002	0.06	2.19	29.4	1	1.0	215	0.38	0.06	2.85	0.567	0.26	1.2	



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY20272		239	0.6	13.9	98	41.0
YY20273		175	0.5	20.1	95	93.4
YY20274		153	0.8	16.4	126	111.0
YY20275		140	0.8	17.4	117	104.5
YY20276		138	0.7	17.1	108	97.8
YY20277		145	0.6	20.6	88	88.1
YY20278		217	0.8	16.4	117	59.1
YY20279		141	0.9	15.0	88	97.0
YY20280		163	0.7	21.9	94	84.9
YY20281		160	0.5	22.0	86	69.3
YY20282		177	1.0	17.5	119	66.2
YY20283		168	0.7	19.5	126	72.0
YY20284		154	0.8	23.0	113	85.4
YY20285		137	0.7	18.5	102	78.0
YY20286		137	0.9	14.4	132	89.5
YY20287		200	1.2	19.8	109	52.1
YY20288		140	1.0	24.3	108	67.2
YY20289		172	0.9	18.1	128	111.5
YY20290		191	0.5	19.3	115	70.0
YY20291		142	0.6	19.8	105	93.4
YY20292		134	0.6	22.7	101	110.0
YY20293		113	0.5	15.7	99	89.6
YY20294		127	0.6	17.5	98	105.5
YY20295		163	0.6	20.7	103	89.6
YY20296		169	0.5	20.5	100	84.7
YY20297		172	0.6	21.2	107	81.6
YY20298		151	1.7	18.9	108	87.2
YY20299		134	0.6	25.2	112	95.3
YY20300		195	0.4	20.5	110	93.7
YY20301		169	0.7	14.8	113	71.1
YY20302		156	0.9	19.0	115	72.5
YY20303		182	1.2	16.8	99	103.5
YY20304		154	0.9	16.6	95	108.0
YY20305		346	2.6	24.7	132	27.9
YY20306		189	0.9	27.4	123	87.6
YY20307		190	0.8	20.3	109	78.1
YY20308		196	0.8	24.2	119	61.2
YY20309		147	0.7	19.4	92	88.9
YY20310		258	0.8	28.6	127	71.1
YY20311		227	1.0	19.4	103	63.9



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY20312		0.25	0.002	0.08	9.30	35.1	470	0.96	0.10	1.08	0.22	33.1	21.4	45	2.74	53.8
YY20313		0.23	0.005	0.16	8.91	31.3	580	1.04	0.13	1.75	0.25	45.1	22.0	56	3.11	56.7
YY20314		0.24	0.004	0.15	8.40	24.5	660	1.31	0.16	2.04	0.32	60.4	23.8	97	2.63	63.8
YY20315		0.25	0.004	0.18	6.95	21.4	590	1.18	0.14	2.13	0.30	42.0	19.9	57	1.99	68.3
YY20316		0.29	0.002	0.11	8.75	28.8	560	1.18	0.14	1.68	0.18	43.7	24.4	89	2.51	64.1
YY20317		0.23	0.004	0.16	10.25	14.6	460	1.08	0.09	1.23	0.15	40.8	23.2	71	2.36	59.8
YY20318		0.26	0.010	0.14	8.62	24.1	420	1.16	0.14	1.71	0.22	40.1	39.8	112	2.13	90.1
YY20319		0.28	0.019	0.35	8.22	51.8	480	1.00	0.41	2.03	0.75	39.7	30.2	59	2.69	92.6
YY20320		0.30	0.006	0.19	9.08	27.4	520	1.08	0.24	1.54	0.30	51.9	31.6	65	3.31	93.5
YY20321		0.29	0.013	0.22	9.22	54.7	590	1.23	0.18	1.33	0.34	49.4	29.6	81	2.28	78.0
YY20322		0.25	<0.001	0.09	7.72	15.8	670	1.23	0.17	2.11	0.15	51.4	23.3	97	2.24	54.1
YY20323		0.28	0.007	0.22	8.74	34.0	540	1.07	0.15	1.61	0.28	45.0	25.5	57	2.93	65.0
YY20324		0.23	0.008	0.21	8.46	23.8	620	1.13	0.17	2.04	0.39	49.5	28.3	67	2.37	121.0
YY20325		0.19	0.034	0.15	7.67	23.4	460	0.99	0.13	2.53	0.26	37.5	33.5	85	1.83	118.0
YY20326		0.23	0.010	0.17	7.90	34.3	400	1.05	0.13	2.17	0.67	43.6	33.8	204	2.82	93.7
YY20327		0.20	0.003	0.14	7.31	30.8	530	1.08	0.13	2.16	0.40	40.7	28.3	130	2.14	88.1
YY20328		0.18	0.001	0.12	8.16	21.5	610	1.19	0.16	2.34	0.33	53.2	25.5	81	2.19	64.9
YY20329		0.31	<0.001	0.14	8.46	28.8	550	1.04	0.16	2.03	0.22	46.6	24.8	93	2.19	81.1
YY20330		0.25	<0.001	0.12	8.23	24.6	570	1.08	0.15	2.01	0.23	43.9	26.7	109	2.42	72.8
YY20331		0.19	<0.001	0.18	7.41	13.0	680	1.19	0.18	2.26	0.43	47.0	19.1	71	2.34	79.7
YY20332		0.30	0.003	0.14	8.34	22.9	550	1.08	0.11	2.39	0.19	46.7	27.8	115	2.06	70.0
YY20333		0.17	0.001	0.11	6.99	17.3	640	1.11	0.15	2.37	0.24	43.6	14.4	45	2.03	54.2
YY20334		0.21	<0.001	0.06	7.30	9.7	610	1.30	0.14	2.62	0.26	47.2	20.2	156	1.74	39.6
YY20335		0.24	<0.001	0.10	7.47	12.5	710	1.27	0.15	2.53	0.22	48.7	20.0	173	2.37	49.6
YY20336		0.23	<0.001	0.32	7.44	11.3	620	1.18	0.12	2.58	0.24	51.7	23.6	194	2.21	50.1
YY20337		0.22	0.001	0.10	7.27	12.4	480	1.52	0.11	2.37	0.13	55.6	26.0	215	2.31	59.4
YY20338		0.33	<0.001	0.05	7.59	13.6	570	1.22	0.05	3.77	0.23	55.1	37.7	484	1.14	45.9
YY20339		0.27	0.001	0.08	7.81	12.1	600	1.38	0.09	3.00	0.17	54.6	31.5	314	1.72	52.9
YY20340		0.25	<0.001	0.11	8.05	14.4	640	1.19	0.12	2.49	0.23	58.7	27.0	229	2.16	69.2
YY20341		0.31	<0.001	0.05	7.88	15.0	570	1.13	0.08	3.27	0.15	69.6	28.9	423	1.50	44.1
YY20342		0.31	0.001	0.11	8.38	9.6	560	1.46	0.09	2.16	0.32	56.0	26.9	370	2.83	39.2
YY20343		0.41	0.011	0.13	9.00	9.1	670	1.85	0.26	1.62	0.19	61.8	18.5	194	1.76	37.2
YY20344		0.39	0.001	0.14	9.19	8.4	650	1.73	0.21	1.89	0.20	57.7	21.5	207	1.25	35.2
YY20345		0.32	<0.001	0.09	7.98	11.4	480	1.53	0.19	2.74	0.11	52.0	30.3	414	1.17	52.2
YY20346		0.34	0.007	0.09	7.91	12.7	620	1.35	0.14	2.46	0.26	45.2	31.2	142	1.91	119.0
YY20347		0.36	0.003	0.15	8.98	22.0	460	1.03	0.12	1.79	0.20	40.1	26.0	112	2.20	65.7
YY20348		0.22	0.003	0.13	7.97	15.8	550	1.03	0.13	1.91	0.23	40.2	19.0	81	1.86	56.3
YY20349		0.30	0.001	0.11	7.53	13.2	670	1.10	0.19	2.12	0.17	42.3	23.9	99	2.28	73.2
YY20350		0.32	0.001	0.11	8.01	14.4	680	1.22	0.21	2.14	0.23	44.6	25.1	102	2.35	103.5
YY20351		0.30	0.007	0.09	8.46	14.1	470	0.99	0.13	1.65	0.22	37.7	25.6	104	1.52	102.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY20312		6.26	17.45	0.06	1.5	0.061	1.06	15.7	18.8	0.66	830	1.82	1.51	6.3	19.6	740
YY20313		4.96	17.90	0.08	1.9	0.056	1.27	21.2	24.5	0.96	784	1.57	1.41	6.5	27.4	910
YY20314		5.44	17.95	0.11	2.5	0.067	1.15	25.9	22.2	1.27	1080	2.10	1.61	8.7	43.7	1030
YY20315		4.59	14.80	0.10	2.4	0.052	1.11	24.5	17.7	1.04	1660	5.65	1.50	6.8	27.5	1110
YY20316		6.06	17.40	0.10	2.0	0.062	1.11	21.9	20.2	1.14	1120	2.68	1.37	7.3	38.0	1180
YY20317		6.04	21.0	0.10	1.4	0.070	1.38	23.1	24.6	0.92	1130	1.44	1.13	7.8	31.4	870
YY20318		7.96	16.85	0.07	1.6	0.068	0.88	17.7	15.8	1.42	1340	1.92	1.55	5.3	48.4	1080
YY20319		7.33	17.25	0.09	2.0	0.072	1.25	19.8	18.4	1.06	838	2.32	1.33	5.5	34.5	1180
YY20320		6.07	18.05	0.09	1.8	0.087	1.23	23.4	23.4	1.30	1200	2.56	1.46	6.7	34.4	920
YY20321		6.20	18.20	0.10	1.7	0.069	1.63	26.3	18.9	1.05	1460	3.29	1.57	7.9	37.8	790
YY20322		5.20	17.90	0.08	2.7	0.058	1.05	20.8	20.3	1.39	1130	2.42	1.68	10.1	43.7	1210
YY20323		6.20	17.75	0.11	2.1	0.068	1.68	25.2	18.1	1.20	1280	3.15	1.30	7.0	29.0	840
YY20324		5.33	17.40	0.08	2.5	0.067	1.45	21.4	18.3	1.16	1160	3.01	1.68	6.8	34.1	1060
YY20325		6.48	14.85	0.09	1.7	0.060	0.94	16.9	13.8	1.36	1140	1.88	1.45	5.4	39.2	1040
YY20326		6.09	16.75	0.08	2.1	0.067	0.95	21.5	17.3	1.90	1240	1.87	1.40	5.2	69.5	1070
YY20327		4.72	15.70	0.08	2.1	0.055	1.17	19.6	16.5	1.41	928	1.64	1.61	6.4	54.6	970
YY20328		5.55	17.85	0.09	2.6	0.062	1.15	23.4	18.9	1.37	1080	2.27	1.71	7.9	38.8	1150
YY20329		5.70	16.55	0.08	1.9	0.069	1.15	22.7	18.7	1.26	1020	2.63	1.49	6.9	42.1	1030
YY20330		5.70	17.30	0.08	2.2	0.063	1.14	19.9	19.6	1.17	1180	2.52	1.56	7.9	48.8	1230
YY20331		4.14	18.40	0.09	2.9	0.051	1.28	22.2	20.9	1.03	1080	2.45	1.87	9.6	29.6	1160
YY20332		5.83	17.60	0.08	2.2	0.059	1.12	24.1	16.4	1.46	1380	2.35	1.86	7.7	45.6	820
YY20333		3.26	16.20	0.09	2.7	0.044	1.37	22.3	17.8	0.80	754	1.92	1.91	7.2	21.3	980
YY20334		4.31	17.05	0.08	2.4	0.049	1.21	23.0	18.1	1.83	745	1.94	1.82	8.7	65.0	1050
YY20335		4.50	17.80	0.07	2.7	0.050	1.32	22.2	20.4	1.74	813	2.21	1.86	9.8	59.5	1010
YY20336		4.54	17.75	0.10	3.0	0.050	1.29	26.3	16.6	1.97	838	1.53	1.80	9.5	76.0	1140
YY20337		4.87	17.90	0.12	2.4	0.058	1.10	36.3	16.9	1.94	938	1.73	1.44	11.1	95.0	1090
YY20338		6.48	17.05	0.11	2.2	0.067	1.40	28.0	11.0	3.84	1330	1.21	1.80	12.4	162.5	1250
YY20339		5.51	17.85	0.10	2.4	0.064	1.40	28.3	14.3	2.88	1140	1.41	1.58	10.7	135.5	1180
YY20340		5.51	18.30	0.11	2.5	0.059	1.27	33.2	18.1	2.23	1020	1.80	1.68	8.9	93.3	1140
YY20341		5.77	17.00	0.10	2.1	0.065	1.48	38.0	11.4	2.95	1190	1.27	1.87	9.1	118.5	1140
YY20342		5.79	18.85	0.09	2.0	0.073	1.85	27.1	11.9	2.17	997	1.48	1.62	9.5	105.5	790
YY20343		4.87	20.1	0.11	2.3	0.070	2.04	31.2	13.2	1.23	907	2.46	2.07	11.9	61.9	750
YY20344		4.93	19.45	0.12	2.0	0.071	2.18	28.5	11.3	1.32	947	1.58	2.16	11.5	69.4	950
YY20345		5.76	18.70	0.11	2.3	0.069	1.53	26.5	8.0	2.79	881	1.49	1.96	12.1	137.0	1470
YY20346		5.82	17.40	0.07	1.8	0.067	1.12	19.0	15.0	2.04	1320	2.35	1.82	7.9	66.2	1150
YY20347		5.64	18.35	0.09	1.9	0.066	1.12	20.1	17.9	1.13	1120	1.52	1.56	6.8	40.6	1080
YY20348		4.66	17.55	0.08	2.3	0.054	1.23	19.2	16.6	0.98	971	1.75	1.58	6.8	34.0	1190
YY20349		4.92	17.85	0.08	2.6	0.056	1.19	18.6	18.9	1.36	1080	2.20	1.68	9.1	40.7	1120
YY20350		5.51	17.85	0.07	2.5	0.069	1.21	19.9	18.2	1.51	1180	2.33	1.69	9.7	40.8	1160
YY20351		5.73	17.30	0.09	1.6	0.070	1.19	18.3	14.8	1.21	1200	1.73	1.50	6.4	43.3	960



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY20312		11.7	32.7	<0.002	0.04	5.52	19.8	<1	1.0	230	0.42	0.06	2.75	0.562	0.22	1.1
YY20313		11.8	39.7	<0.002	0.06	1.41	21.0	1	1.0	324	0.41	0.09	3.74	0.440	0.26	1.5
YY20314		13.3	44.8	0.002	0.05	1.52	23.8	1	1.2	284	0.55	0.09	4.50	0.533	0.31	2.9
YY20315		11.8	40.0	0.002	0.08	1.12	17.9	1	0.9	280	0.44	0.07	4.10	0.385	0.27	3.9
YY20316		11.4	41.7	0.002	0.07	1.29	25.8	1	1.0	356	0.43	0.10	3.76	0.493	0.27	1.9
YY20317		10.1	47.5	<0.002	0.04	1.19	27.8	<1	1.0	239	0.54	0.08	3.46	0.480	0.24	1.1
YY20318		9.9	31.7	0.002	0.12	1.74	32.1	1	1.0	264	0.32	0.18	2.63	0.508	0.17	1.2
YY20319		10.8	43.0	0.002	0.19	2.48	25.0	1	1.0	294	0.36	0.65	3.23	0.425	0.27	1.6
YY20320		11.9	43.6	<0.002	0.05	1.58	25.4	<1	1.1	263	0.43	0.27	3.62	0.514	0.29	1.4
YY20321		19.8	54.9	<0.002	0.07	2.63	25.4	1	1.0	226	0.51	0.17	3.85	0.535	0.30	1.6
YY20322		10.5	41.2	<0.002	0.06	1.37	15.9	<1	1.4	297	0.59	0.06	4.18	0.596	0.33	2.1
YY20323		14.0	57.4	<0.002	0.10	1.89	24.4	1	1.0	224	0.43	0.11	3.91	0.476	0.32	1.9
YY20324		11.7	46.3	<0.002	0.08	2.36	22.5	1	1.1	315	0.43	0.11	4.20	0.450	0.32	2.1
YY20325		8.5	30.9	<0.002	0.10	2.31	28.8	2	0.9	321	0.33	0.13	2.73	0.499	0.18	1.3
YY20326		27.5	33.5	<0.002	0.10	2.06	27.7	1	1.0	261	0.32	0.13	2.80	0.462	0.20	1.3
YY20327		16.2	36.6	0.002	0.08	1.75	20.7	<1	1.0	313	0.37	0.06	3.37	0.436	0.26	1.6
YY20328		13.9	40.1	0.002	0.08	1.44	20.8	1	1.2	342	0.52	0.10	4.41	0.545	0.28	2.2
YY20329		12.8	39.8	0.002	0.07	1.76	24.2	1	1.1	312	0.43	0.14	3.64	0.494	0.27	2.1
YY20330		11.8	42.3	<0.002	0.07	1.68	23.9	1	1.2	315	0.48	0.06	3.97	0.488	0.32	2.1
YY20331		11.7	46.9	<0.002	0.07	1.28	12.4	1	1.3	352	0.61	0.05	4.55	0.494	0.35	2.3
YY20332		10.9	40.0	<0.002	0.04	1.76	23.7	1	1.1	341	0.49	0.06	4.09	0.519	0.25	1.8
YY20333		10.4	43.7	<0.002	0.08	0.98	11.4	1	1.0	377	0.44	<0.05	4.37	0.352	0.28	2.3
YY20334		10.8	43.6	<0.002	0.05	1.02	14.9	<1	1.2	360	0.54	<0.05	5.05	0.468	0.33	2.4
YY20335		10.3	50.9	<0.002	0.05	1.16	14.5	1	1.3	360	0.60	<0.05	4.76	0.522	0.36	2.2
YY20336		11.8	46.9	<0.002	0.06	1.17	17.4	<1	1.1	388	0.56	<0.05	4.94	0.501	0.26	2.4
YY20337		8.6	49.7	<0.002	0.07	1.00	19.8	<1	1.4	315	0.61	<0.05	7.78	0.494	0.26	2.8
YY20338		7.7	28.1	<0.002	0.02	1.27	26.6	<1	1.2	464	0.71	<0.05	3.58	0.648	0.21	2.0
YY20339		8.6	43.6	<0.002	0.04	0.90	23.0	1	1.2	388	0.63	<0.05	4.83	0.537	0.25	2.2
YY20340		9.7	47.7	<0.002	0.06	1.14	22.1	<1	1.2	361	0.52	<0.05	5.70	0.538	0.29	2.5
YY20341		7.2	50.8	<0.002	0.04	1.71	24.7	<1	1.1	408	0.53	<0.05	5.44	0.527	0.26	2.0
YY20342		19.5	74.4	<0.002	0.05	1.93	25.6	<1	1.3	252	0.61	<0.05	5.97	0.488	0.32	2.5
YY20343		11.7	74.7	<0.002	0.03	1.83	19.2	1	1.5	307	0.86	<0.05	7.43	0.469	0.36	2.7
YY20344		10.4	65.1	<0.002	0.01	2.45	22.2	1	1.4	404	0.79	<0.05	6.13	0.499	0.30	1.8
YY20345		6.9	51.5	<0.002	0.03	1.70	26.9	<1	1.2	380	0.70	<0.05	5.01	0.603	0.24	2.2
YY20346		9.3	43.4	<0.002	0.05	1.13	25.1	<1	1.3	269	0.49	<0.05	3.83	0.511	0.26	1.7
YY20347		9.9	40.4	<0.002	0.07	1.49	26.7	1	1.0	281	0.45	0.07	3.39	0.497	0.24	1.4
YY20348		10.9	44.0	<0.002	0.08	1.39	18.9	1	1.1	300	0.46	0.06	3.72	0.440	0.28	1.7
YY20349		9.8	47.9	<0.002	0.06	1.06	16.5	<1	1.5	305	0.52	<0.05	4.07	0.524	0.34	1.9
YY20350		10.1	47.1	<0.002	0.06	1.10	18.3	<1	1.4	302	0.60	<0.05	4.26	0.596	0.35	2.0
YY20351		8.7	41.5	<0.002	0.05	1.26	22.3	<1	1.0	267	0.43	0.05	2.97	0.469	0.22	1.3



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		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY20312		193	0.7	13.5	101	52.8
YY20313		164	0.6	22.9	106	73.7
YY20314		165	0.8	30.7	102	95.3
YY20315		122	0.7	27.7	90	91.4
YY20316		167	0.7	26.5	108	75.7
YY20317		198	0.6	26.0	109	50.9
YY20318		213	0.6	23.7	110	71.6
YY20319		163	0.7	23.9	194	73.5
YY20320		175	0.7	27.8	117	63.7
YY20321		175	1.0	26.5	109	70.9
YY20322		157	0.9	17.0	99	112.5
YY20323		157	0.8	31.2	111	85.5
YY20324		154	0.7	24.4	115	101.5
YY20325		192	0.8	22.0	100	62.0
YY20326		179	0.8	31.1	192	82.1
YY20327		138	0.7	19.5	107	87.8
YY20328		158	0.7	26.2	119	98.0
YY20329		159	0.6	28.4	96	75.9
YY20330		162	0.8	21.2	103	92.6
YY20331		117	0.8	15.7	116	123.5
YY20332		169	0.7	27.3	101	95.9
YY20333		89	0.7	18.2	85	112.0
YY20334		128	0.6	19.3	110	99.1
YY20335		133	0.8	16.1	101	111.5
YY20336		133	0.6	19.2	97	104.0
YY20337		137	0.6	33.7	99	116.5
YY20338		184	0.5	25.1	118	90.2
YY20339		152	0.5	22.4	110	97.9
YY20340		163	0.7	24.5	116	98.1
YY20341		167	0.6	23.9	114	94.6
YY20342		158	1.0	17.9	139	71.2
YY20343		133	0.8	20.1	108	82.9
YY20344		150	0.7	24.7	103	70.9
YY20345		177	0.5	21.9	100	82.5
YY20346		183	1.0	20.0	110	73.1
YY20347		182	0.7	23.1	107	77.0
YY20348		142	0.7	20.9	99	88.9
YY20349		147	1.0	15.9	89	101.0
YY20350		163	1.2	17.8	95	111.0
YY20351		170	0.7	21.0	102	61.3



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY20352		0.25	0.004	0.19	8.06	29.9	550	1.05	0.20	2.02	0.65	49.2	28.0	61	2.91	78.1
YY20353		0.28	0.004	0.17	7.81	18.9	590	1.08	0.15	2.13	0.23	43.6	20.2	59	2.36	85.8
YY20354		0.25	0.006	0.18	7.60	17.0	690	1.16	0.18	2.16	0.22	38.6	17.8	91	2.57	59.7
YY20355		0.32	0.004	0.15	7.78	10.7	700	1.10	0.18	2.59	0.15	44.4	26.4	130	1.97	104.5
YY20356		0.25	0.002	0.07	7.89	20.8	670	1.40	0.19	1.86	0.18	51.5	24.7	108	2.83	44.6
YY20357		0.25	0.004	0.13	7.77	35.8	660	1.12	0.17	1.97	0.20	41.4	22.7	61	2.64	58.3
YY20358		0.23	0.004	0.18	7.55	17.3	670	1.29	0.18	2.12	0.31	49.6	22.7	49	2.52	69.0
YY36501		0.16	<0.001	0.10	7.30	6.2	770	1.33	0.18	2.16	0.21	41.2	10.4	38	1.83	32.6
YY36502		0.23	0.020	0.17	7.29	7.3	600	1.43	0.15	2.30	0.14	44.7	23.8	103	1.89	82.2
YY36503		0.20	0.018	0.20	6.59	6.1	520	1.08	0.10	3.14	0.12	34.3	25.4	86	1.74	129.5
YY36504		0.17	0.005	0.22	7.33	11.9	670	1.35	0.18	2.35	0.27	39.4	23.7	90	2.53	107.5
YY36505		0.24	0.003	0.18	7.19	13.4	680	1.24	0.16	2.32	0.27	38.3	22.2	86	2.76	49.2
YY36506		0.22	0.008	0.16	7.94	12.8	510	1.11	0.10	2.11	0.34	36.3	31.4	139	1.54	100.0
YY36507		0.20	0.031	0.14	6.88	9.1	440	0.92	0.44	4.40	0.26	29.9	32.0	284	1.29	77.1
YY36508		0.20	0.011	0.18	7.59	8.1	710	1.65	0.77	1.95	0.14	67.5	17.1	121	1.89	77.2
YY36509		0.24	0.031	0.27	7.44	8.7	650	1.82	0.98	1.88	0.17	78.0	18.3	145	1.95	68.5
YY36510		0.24	0.021	0.22	6.94	8.7	790	1.75	0.50	1.66	0.10	78.2	24.4	121	2.07	226
YY36511		0.27	0.042	0.44	7.10	6.2	580	1.98	1.54	2.29	0.11	154.5	31.7	396	2.21	83.9
YY36512		0.19	0.005	0.10	6.91	6.7	640	1.29	0.20	2.40	0.17	53.7	15.6	65	1.58	44.7
YY36513		0.16	0.004	0.10	5.98	10.3	600	1.07	0.14	2.28	0.27	42.8	16.9	61	1.93	37.8
YY36514		0.22	0.007	0.11	6.59	6.9	430	1.35	0.21	2.46	0.13	55.1	28.8	393	1.82	53.8
YY36515		0.40	0.005	0.08	7.97	7.6	460	2.28	0.19	1.90	0.13	50.5	32.9	640	2.29	58.1
YY36516		0.22	0.002	0.12	6.00	7.4	590	1.21	0.12	2.17	0.17	61.7	14.1	64	1.75	44.8
YY36517		0.23	0.007	0.14	6.59	6.8	630	1.35	0.24	2.38	0.15	71.9	16.3	118	1.88	57.7
YY36518		0.27	0.003	0.12	7.59	9.0	680	1.66	0.16	2.26	0.18	64.2	19.2	123	2.05	56.1
YY36519		0.23	0.001	0.10	7.27	5.4	790	1.28	0.14	2.31	0.16	39.8	11.3	34	1.49	36.3
YY36520		0.14	0.004	0.26	7.34	12.5	790	1.51	0.18	2.35	0.46	51.5	21.6	90	2.40	99.7
YY36521		0.19	0.016	0.15	6.97	8.2	640	1.25	0.19	2.59	0.24	53.3	20.1	215	1.81	39.2
YY36522		0.19	<0.001	0.11	7.28	6.6	770	1.26	0.13	2.40	0.23	41.2	13.4	47	1.66	30.8
YY36523		0.26	<0.001	0.13	7.42	8.1	770	1.35	0.16	2.02	0.18	45.0	15.0	57	2.06	52.5
YY36524		0.24	0.006	1.00	6.55	8.4	740	1.61	0.31	2.03	0.30	78.0	16.8	110	1.63	33.1
YY36525		0.15	0.009	0.13	6.99	7.4	720	1.37	0.33	2.48	0.22	54.2	17.2	85	1.73	65.0
YY36526		0.33	0.015	0.07	7.61	7.2	490	1.11	0.08	3.17	0.15	41.8	26.7	548	1.49	43.7
YY36527		0.23	0.004	0.10	7.31	9.5	580	1.32	0.14	2.37	0.10	54.4	20.5	183	1.93	34.9
YY36528		0.31	0.004	0.10	7.76	7.2	530	1.59	0.11	3.03	0.09	63.0	24.4	236	1.94	49.8
YY36529		0.20	0.005	0.11	6.88	7.2	680	1.07	0.14	2.51	0.16	40.9	13.3	89	1.72	38.2
YY36530		0.20	0.006	0.12	7.01	7.4	690	1.33	0.15	2.61	0.17	44.4	19.1	189	2.02	49.6
YY36531		0.14	0.002	0.10	5.80	5.6	610	1.07	0.10	3.14	0.16	38.9	15.2	94	1.48	36.2
YY36532		0.16	0.001	0.09	6.53	9.4	620	1.16	0.14	2.53	0.41	42.9	16.2	76	1.78	41.4
YY36533		0.22	0.003	0.10	7.73	7.9	660	1.48	0.17	2.16	0.21	45.0	19.1	157	2.01	41.9



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY20352		4.84	16.95	0.09	2.4	0.069	1.33	21.3	19.3	1.12	1060	2.25	1.51	6.6	31.0	1060
YY20353		4.41	16.80	0.09	2.3	0.057	1.32	23.1	16.5	0.94	914	2.13	1.54	7.0	26.0	1030
YY20354		4.83	18.25	0.08	2.7	0.057	1.22	18.5	21.5	1.20	901	2.42	1.80	10.5	34.9	1040
YY20355		5.26	16.50	0.08	2.1	0.069	1.10	19.9	15.1	1.64	1250	1.55	1.61	8.1	52.7	1120
YY20356		5.48	18.60	0.09	2.7	0.068	1.08	21.3	22.7	1.40	1020	3.10	1.58	11.9	48.4	840
YY20357		5.37	16.75	0.15	2.4	0.064	1.52	17.4	20.7	1.13	1030	3.74	1.53	7.5	27.1	1030
YY20358		4.42	17.40	0.18	2.6	0.057	1.52	24.5	20.1	1.06	888	2.54	1.91	7.1	27.3	1090
YY36501		2.78	18.80	0.17	3.1	0.040	1.82	19.8	21.0	0.74	698	1.72	2.53	9.1	13.2	570
YY36502		4.87	17.25	0.19	2.3	0.060	1.33	20.9	17.5	2.01	1170	1.78	1.88	7.9	44.8	930
YY36503		5.14	14.85	0.17	1.5	0.046	0.96	16.0	14.3	2.31	1130	1.44	1.73	6.0	39.6	1190
YY36504		4.90	17.55	0.18	2.4	0.050	1.28	19.2	21.6	1.53	911	3.08	1.77	9.3	41.8	1220
YY36505		5.10	17.90	0.17	2.7	0.055	1.32	18.3	20.0	1.30	1260	2.90	1.90	11.0	31.0	1040
YY36506		6.14	17.40	0.16	1.6	0.068	1.24	18.1	14.7	1.64	1480	1.65	1.91	5.8	59.7	960
YY36507		5.25	14.65	0.15	1.6	0.060	0.97	13.8	12.1	2.64	1100	1.89	1.64	5.9	107.5	890
YY36508		4.22	19.40	0.19	2.5	0.070	1.90	37.3	18.2	1.50	892	5.22	2.04	8.8	56.3	760
YY36509		5.15	18.15	0.21	2.0	0.079	1.97	43.1	14.1	1.45	902	9.62	1.82	8.7	57.4	960
YY36510		5.97	17.25	0.19	1.4	0.061	2.15	38.2	11.4	1.32	1130	27.2	1.33	6.9	38.9	720
YY36511		6.75	19.00	0.28	1.6	0.105	2.04	82.0	15.8	2.86	1500	7.22	1.51	6.6	113.5	660
YY36512		3.57	17.35	0.18	2.7	0.044	1.52	22.1	17.9	1.18	667	2.15	2.07	6.8	32.0	800
YY36513		3.40	14.80	0.18	2.5	0.039	1.25	20.9	15.8	1.08	681	2.45	1.77	7.5	28.8	870
YY36514		5.41	16.30	0.16	2.0	0.062	1.27	25.2	18.7	3.15	1060	4.69	1.43	6.9	123.5	840
YY36515		6.58	18.40	0.19	1.9	0.070	1.89	23.2	13.9	1.70	1180	8.14	1.56	7.0	147.5	700
YY36516		3.24	14.90	0.18	2.4	0.044	1.23	31.6	15.4	0.92	705	1.96	1.65	7.2	27.0	1180
YY36517		3.79	15.75	0.20	2.3	0.048	1.37	43.0	16.1	1.15	829	1.63	1.69	7.3	40.7	1060
YY36518		4.62	18.30	0.18	2.9	0.056	1.47	27.3	19.7	1.49	840	2.27	2.02	10.3	50.2	850
YY36519		2.82	18.45	0.17	3.0	0.034	1.88	20.7	18.6	0.77	688	1.96	2.55	6.5	16.1	670
YY36520		4.83	18.15	0.18	2.6	0.057	1.30	28.6	22.7	1.16	1070	2.07	1.94	10.3	39.5	920
YY36521		4.51	16.60	0.18	2.3	0.058	1.32	21.9	17.3	1.81	827	2.10	1.83	8.0	67.4	860
YY36522		3.55	17.35	0.17	2.8	0.038	1.70	19.5	18.7	1.06	637	2.86	2.35	6.9	22.7	830
YY36523		3.77	17.90	0.20	3.1	0.036	1.60	20.8	21.2	0.88	726	2.53	2.23	8.8	23.8	780
YY36524		3.90	15.60	0.21	1.7	0.065	1.63	36.5	12.9	1.07	872	4.01	1.64	9.1	44.2	1030
YY36525		3.90	16.25	0.17	2.4	0.045	1.40	34.3	17.4	1.21	831	3.54	1.91	7.4	33.9	1260
YY36526		5.87	16.00	0.12	1.6	0.064	1.65	20.0	11.4	3.12	1150	1.02	1.44	6.4	122.0	660
YY36527		4.92	16.00	0.13	2.0	0.061	1.29	27.0	17.2	1.97	1110	1.44	1.75	8.3	61.2	1230
YY36528		5.90	18.10	0.15	1.7	0.072	1.25	43.7	15.7	2.84	1140	1.30	1.85	9.3	80.8	1240
YY36529		3.50	15.55	0.13	2.4	0.040	1.45	22.6	17.1	1.21	743	1.99	1.94	7.3	34.4	1000
YY36530		4.41	16.95	0.12	2.3	0.056	1.49	30.2	18.0	1.85	1050	1.53	1.78	8.0	65.6	1060
YY36531		3.26	13.60	0.16	2.1	0.033	1.18	18.2	14.1	1.28	827	1.41	1.60	6.4	36.6	1100
YY36532		3.81	15.75	0.18	2.5	0.049	1.21	20.1	17.9	1.15	811	1.85	1.81	8.4	30.5	1200
YY36533		4.40	17.90	0.15	2.5	0.056	1.60	20.9	17.1	1.39	987	1.70	1.86	8.0	54.5	1110



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY20352		11.4	44.0	<0.002	0.08	1.55	19.7	1	1.0	302	0.43	0.18	4.09	0.437	0.31	1.8
YY20353		12.9	47.2	<0.002	0.08	1.33	17.7	1	1.0	279	0.44	0.05	4.10	0.424	0.30	1.9
YY20354		12.1	45.9	<0.002	0.05	1.21	14.1	1	1.5	312	0.63	0.06	4.14	0.591	0.36	2.0
YY20355		8.7	38.2	<0.002	0.06	1.19	21.5	1	1.2	318	0.50	0.08	3.94	0.536	0.28	1.7
YY20356		12.4	43.8	<0.002	0.04	1.74	16.1	<1	1.6	255	0.70	0.08	4.60	0.641	0.38	2.3
YY20357		13.7	51.3	<0.002	0.07	2.08	17.9	3	1.0	282	0.47	0.15	3.94	0.456	0.28	2.2
YY20358		12.1	48.0	<0.002	0.07	1.34	15.7	1	0.9	372	0.45	0.12	4.64	0.398	0.29	2.1
YY36501		10.7	55.6	<0.002	0.03	0.81	7.7	1	1.0	463	0.55	0.05	4.69	0.352	0.29	2.0
YY36502		9.2	55.9	<0.002	0.05	0.78	20.4	<1	1.1	286	0.53	0.10	5.04	0.418	0.27	1.9
YY36503		7.1	39.4	<0.002	0.09	0.56	23.1	1	0.8	322	0.34	0.08	2.90	0.441	0.18	1.3
YY36504		14.0	51.7	<0.002	0.06	0.93	16.1	1	1.1	307	0.53	0.09	4.20	0.478	0.31	1.9
YY36505		11.5	61.8	<0.002	0.05	1.27	14.5	1	1.3	331	0.62	0.06	3.90	0.561	0.30	1.9
YY36506		13.5	40.4	<0.002	0.06	1.75	28.7	1	0.9	268	0.35	0.09	2.61	0.470	0.20	1.2
YY36507		6.3	36.4	<0.002	0.08	1.69	23.9	<1	1.3	326	0.37	0.44	2.48	0.403	0.18	1.1
YY36508		10.3	70.0	0.007	0.09	1.09	14.7	<1	2.1	362	0.59	0.48	8.86	0.327	0.33	3.7
YY36509		9.1	78.0	0.016	0.17	2.44	17.8	1	2.0	326	0.57	0.68	9.39	0.376	0.35	4.4
YY36510		8.4	72.3	0.012	0.28	8.97	17.9	3	1.5	310	0.43	0.35	6.73	0.269	0.32	2.5
YY36511		8.2	92.0	0.012	0.30	1.98	26.2	1	1.7	276	0.41	1.65	8.69	0.340	0.44	3.9
YY36512		8.3	48.4	<0.002	0.07	0.95	11.4	1	0.9	437	0.43	0.08	4.54	0.354	0.25	2.0
YY36513		8.6	43.7	<0.002	0.09	1.11	11.6	1	1.0	344	0.48	0.05	4.09	0.370	0.31	1.9
YY36514		6.1	63.3	0.002	0.09	0.92	20.4	1	1.1	242	0.47	0.20	6.00	0.404	0.31	2.4
YY36515		5.5	85.4	0.003	0.10	2.52	23.3	1	1.3	232	0.46	0.22	5.58	0.450	0.37	2.4
YY36516		7.7	44.9	<0.002	0.11	0.95	11.9	1	0.9	313	0.45	<0.05	5.44	0.332	0.25	2.1
YY36517		7.9	53.3	<0.002	0.08	1.11	15.1	1	1.0	321	0.48	0.13	6.20	0.369	0.26	2.5
YY36518		9.6	55.0	<0.002	0.05	1.08	15.5	1	1.3	324	0.67	0.08	8.32	0.458	0.30	2.4
YY36519		9.4	47.9	<0.002	0.03	0.58	6.9	<1	0.8	519	0.44	<0.05	4.49	0.310	0.27	2.0
YY36520		11.0	50.8	0.002	0.04	1.10	13.6	<1	1.2	340	0.62	0.07	4.76	0.526	0.33	2.2
YY36521		8.1	51.1	<0.002	0.06	1.21	15.6	1	1.1	331	0.51	0.14	5.11	0.431	0.27	1.8
YY36522		9.0	47.6	<0.002	0.04	0.76	9.3	1	0.9	482	0.45	<0.05	4.44	0.381	0.28	1.9
YY36523		10.5	48.6	<0.002	0.04	0.87	9.9	1	1.1	394	0.55	<0.05	4.82	0.409	0.33	2.1
YY36524		7.7	59.4	<0.002	0.08	2.33	15.8	1	1.4	220	0.55	0.19	5.86	0.364	0.26	1.9
YY36525		8.9	49.3	<0.002	0.08	1.43	12.9	1	1.0	375	0.48	0.19	5.10	0.391	0.26	2.2
YY36526		5.5	54.9	<0.002	0.04	1.21	22.0	<1	1.1	297	0.43	<0.05	4.15	0.421	0.26	2.0
YY36527		9.3	47.4	<0.002	0.06	0.97	15.2	1	1.2	316	0.53	<0.05	4.63	0.464	0.27	2.1
YY36528		8.6	47.0	<0.002	0.04	0.77	21.2	<1	1.3	335	0.58	<0.05	5.52	0.589	0.31	2.3
YY36529		8.8	43.4	<0.002	0.07	0.86	9.7	<1	1.0	395	0.48	<0.05	4.41	0.358	0.27	2.0
YY36530		9.3	52.6	<0.002	0.07	0.81	14.8	<1	1.2	344	0.53	0.06	5.25	0.398	0.34	2.2
YY36531		7.7	41.1	0.002	0.10	0.75	11.9	<1	0.8	377	0.40	<0.05	3.80	0.344	0.22	1.8
YY36532		9.3	45.1	<0.002	0.08	0.96	12.1	1	1.0	348	0.53	<0.05	4.38	0.423	0.25	2.0
YY36533		9.7	60.0	<0.002	0.06	1.11	16.4	1	1.1	351	0.54	0.06	5.08	0.401	0.29	2.1



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YY20352		139	0.6	23.2	166	95.9
YY20353		133	0.7	24.9	93	89.5
YY20354		148	0.9	14.4	92	107.5
YY20355		159	1.1	20.7	93	81.6
YY20356		169	0.9	19.5	106	116.5
YY20357		126	0.9	15.3	98	97.5
YY20358		112	0.8	22.0	103	120.0
YY36501		66	0.6	11.1	104	128.0
YY36502		139	0.8	23.2	102	86.0
YY36503		161	0.6	17.0	95	57.4
YY36504		136	0.7	14.8	111	105.0
YY36505		146	0.9	13.8	123	108.0
YY36506		193	0.7	22.6	118	63.8
YY36507		144	1.2	16.4	117	58.0
YY36508		86	1.5	26.0	94	104.5
YY36509		108	3.1	25.9	93	76.4
YY36510		110	1.4	18.5	71	47.4
YY36511		145	1.7	34.9	112	57.0
YY36512		95	0.8	14.2	90	107.5
YY36513		91	0.6	13.5	87	106.5
YY36514		138	0.9	18.8	97	78.6
YY36515		164	2.1	19.0	128	73.1
YY36516		78	0.6	17.4	79	95.1
YY36517		95	0.9	24.8	84	96.4
YY36518		112	0.8	19.5	95	108.5
YY36519		68	0.6	10.8	79	129.5
YY36520		122	0.7	18.0	134	113.5
YY36521		118	0.8	14.1	100	96.8
YY36522		91	0.6	11.4	90	118.0
YY36523		93	0.7	13.0	99	127.5
YY36524		95	0.9	18.8	103	63.6
YY36525		97	0.8	19.3	103	102.0
YY36526		167	0.6	16.3	111	62.8
YY36527		129	0.7	20.3	98	83.6
YY36528		168	1.0	43.4	110	66.7
YY36529		91	0.7	14.0	80	96.4
YY36530		117	0.7	21.9	103	94.5
YY36531		84	0.5	19.2	89	83.2
YY36532		101	0.6	14.6	138	98.9
YY36533		113	0.7	15.1	113	118.0



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY36534		0.22	0.001	0.09	7.43	6.0	660	1.38	0.11	2.69	0.16	43.6	21.8	152	1.88	50.0
YY36535		0.25	0.005	0.12	7.40	9.6	630	1.15	0.09	2.66	0.11	37.9	27.6	206	1.73	62.5
YY36536		0.14	<0.001	0.10	7.18	8.4	580	1.15	0.09	2.79	0.26	39.0	22.9	160	1.50	52.2
YY36537		0.26	0.003	0.09	7.46	8.9	570	1.29	0.10	2.59	0.16	54.1	22.1	242	1.78	38.2
YY36538		0.21	0.001	0.14	7.57	10.1	630	1.22	0.16	2.15	0.16	39.1	15.2	46	2.05	45.8
YY36539		0.21	0.001	0.09	8.26	19.0	590	1.17	0.13	1.88	0.27	39.5	22.5	77	2.41	55.0
YY36540		0.31	0.016	0.15	9.11	48.0	360	0.97	0.09	1.76	0.27	34.4	41.4	79	2.04	122.5
YY36541		0.23	0.008	0.17	6.68	8.1	590	1.00	0.10	2.59	0.19	34.3	28.0	197	1.95	115.0
YY36542		0.29	0.010	0.14	6.32	9.9	460	0.98	0.12	2.95	0.27	31.8	25.1	146	1.96	110.0
YY36543		0.13	0.015	0.21	5.51	9.9	420	0.86	0.14	2.78	0.23	31.2	23.7	123	1.79	121.5
YY36544		0.15	0.021	0.10	7.16	8.3	450	1.48	0.20	2.42	0.13	54.3	24.2	239	1.56	51.5
YY36545		0.28	0.116	0.84	7.67	9.9	480	1.87	1.79	2.61	0.26	58.3	32.9	518	1.45	124.5
YY36546		0.30	0.030	0.28	8.14	11.3	580	2.24	1.54	1.92	0.15	110.5	25.4	237	2.35	72.9
YY36547		0.29	0.020	0.20	8.76	10.7	570	1.88	0.61	1.30	0.14	57.6	19.3	117	1.83	66.2
YY36548		0.30	0.102	0.36	7.95	9.0	490	1.82	0.16	1.77	0.30	71.7	28.5	288	2.10	153.0
YY36549		0.19	0.004	0.15	7.15	14.1	630	1.36	0.15	2.29	0.22	60.0	22.4	127	2.33	42.5
YY36550		0.18	0.002	0.13	7.07	11.0	670	1.23	0.15	2.22	0.31	41.2	17.5	76	2.21	44.2
YY36551		0.33	0.020	0.26	7.77	10.1	570	1.60	0.41	2.27	0.19	46.5	24.7	205	1.79	71.2
YY36552		0.16	0.002	0.12	7.26	8.9	590	1.59	0.12	2.20	0.23	50.6	20.7	178	2.22	44.7
YY36553		0.32	0.004	0.11	7.83	9.8	540	1.10	0.13	2.86	0.15	42.3	24.2	188	1.87	50.1
YY36554		0.24	<0.001	0.08	8.17	11.2	590	0.97	0.08	2.45	0.12	31.9	30.8	174	2.27	52.5
YY36555		0.29	0.001	0.10	8.57	13.9	560	0.91	0.09	2.64	0.08	35.8	27.4	121	2.42	65.9
YY36556		0.21	0.001	0.18	5.84	5.7	590	1.03	0.10	2.84	0.21	34.1	14.0	53	1.37	104.0
YY36557		0.21	0.001	0.12	6.43	7.6	570	1.10	0.12	2.69	0.18	51.8	15.8	90	1.76	54.5
YY36558		0.21	0.004	0.16	7.56	10.7	560	1.03	0.13	3.36	0.14	38.6	25.4	133	1.93	111.0
YY36559		0.14	0.001	0.16	7.33	9.7	710	1.21	0.14	2.48	0.24	40.6	17.5	81	2.02	52.6
YY36560		0.21	0.002	0.10	7.68	9.3	540	0.93	0.09	3.68	0.14	28.8	28.5	223	1.93	85.0
YY36561		0.18	0.001	0.07	7.74	4.5	410	0.71	0.06	4.31	0.12	22.7	39.9	330	1.66	86.0
YY36562		0.17	0.002	0.19	6.34	9.6	650	0.95	0.14	2.85	0.19	35.8	19.7	140	2.55	82.2
YY36563		0.31	0.002	0.14	7.87	9.3	500	0.97	0.10	3.74	0.13	26.1	36.5	384	2.32	100.5
YY36564		0.19	0.003	0.12	7.44	12.4	430	0.79	0.11	3.75	0.19	28.5	36.2	170	2.03	138.5
YY36565		0.32	0.002	0.05	8.29	15.2	540	0.73	0.06	3.59	0.09	19.15	39.1	166	5.16	121.0
YY36566		0.26	<0.001	0.08	7.88	9.5	580	1.12	0.10	3.47	0.10	49.6	35.4	426	3.15	38.5
YY36567		0.16	0.001	0.17	7.71	12.8	750	1.39	0.14	2.53	0.36	50.2	21.0	124	2.48	62.4
YY36568		0.21	<0.001	0.11	7.52	11.6	700	1.30	0.15	2.23	0.26	46.0	16.5	92	2.25	47.3
YY36569		0.27	<0.001	0.10	7.55	13.4	670	1.24	0.11	2.70	0.15	50.8	23.9	185	1.95	54.1
YY36570		0.35	<0.001	0.10	8.50	16.6	640	1.28	0.11	2.43	0.12	53.0	27.3	330	2.65	44.5
YY36571		Listed, NR														
YY36572		0.39	0.002	0.12	7.41	9.4	420	1.44	0.90	2.95	0.17	57.0	33.1	426	1.36	45.4
YY36573		0.29	0.023	0.25	7.40	8.5	530	1.10	0.32	3.64	0.77	34.4	31.4	234	1.66	115.5



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY36534		4.76	17.95	0.18	2.2	0.047	1.49	22.8	16.5	1.85	919	1.33	1.89	7.7	67.0	1030
YY36535		6.21	18.25	0.13	2.0	0.066	1.21	19.5	13.0	1.84	1060	2.07	1.57	7.9	64.5	1120
YY36536		4.64	16.15	0.12	2.1	0.050	1.10	18.5	15.2	1.71	1120	2.27	1.72	7.4	59.1	1060
YY36537		5.53	19.90	0.12	2.4	0.083	1.40	22.9	16.8	1.94	1250	1.91	2.01	12.2	72.5	840
YY36538		3.50	18.05	0.13	2.8	0.045	1.32	19.4	19.3	0.87	753	2.13	1.85	7.9	21.1	1170
YY36539		4.79	18.60	0.12	2.4	0.058	1.09	18.2	19.6	1.12	1030	2.06	1.69	8.2	32.2	1120
YY36540		7.37	19.45	0.12	1.1	0.075	1.42	16.3	18.1	1.36	1400	1.62	1.15	4.5	40.3	830
YY36541		5.29	16.70	0.15	1.5	0.063	1.19	18.8	13.7	2.16	1320	2.11	1.22	5.5	75.9	950
YY36542		4.78	14.50	0.11	1.9	0.052	1.06	14.6	14.2	1.99	1080	2.26	1.37	6.6	56.7	1220
YY36543		4.13	12.65	0.11	1.9	0.043	0.78	15.6	13.5	1.81	1080	2.04	1.26	6.4	57.9	1410
YY36544		4.69	17.15	0.14	1.9	0.064	1.39	33.5	13.2	2.10	1120	3.75	1.63	8.0	89.4	850
YY36545		6.26	19.35	0.20	1.9	0.103	1.82	31.7	12.6	2.44	1660	2.04	1.41	8.4	127.5	780
YY36546		5.84	20.8	0.16	2.1	0.104	1.54	43.6	19.4	1.98	1220	9.15	1.61	10.4	76.8	690
YY36547		5.01	20.4	0.15	2.1	0.083	2.18	29.5	15.7	1.02	1110	1.82	1.50	9.8	40.8	620
YY36548		6.13	19.95	0.14	2.3	0.067	1.81	31.5	14.1	2.03	1640	5.39	1.67	7.9	85.1	760
YY36549		4.74	17.15	0.13	2.6	0.059	1.06	26.0	18.0	1.52	1180	2.63	1.54	10.8	48.8	1700
YY36550		3.88	17.60	0.13	2.9	0.056	1.21	19.1	19.4	1.16	954	2.93	1.80	9.4	32.0	1190
YY36551		5.14	19.20	0.14	2.1	0.062	1.42	25.0	15.4	2.16	1080	2.61	1.80	9.5	73.5	1010
YY36552		4.48	17.60	0.14	2.5	0.056	1.24	27.9	16.5	1.64	899	2.40	1.50	8.7	75.7	1190
YY36553		5.68	18.40	0.14	1.8	0.063	1.02	23.0	15.4	1.98	1010	1.66	1.82	8.7	59.4	910
YY36554		6.59	18.70	0.11	1.7	0.061	1.23	14.5	14.8	1.75	1060	1.57	1.60	7.0	55.1	990
YY36555		6.50	18.95	0.13	1.7	0.056	1.03	17.3	20.3	2.06	869	3.38	1.85	7.6	60.1	1100
YY36556		3.22	14.30	0.13	2.4	0.034	1.22	18.6	14.1	1.02	714	2.28	1.68	5.8	25.8	1250
YY36557		3.57	15.60	0.16	2.4	0.042	1.13	37.7	15.3	1.21	631	1.63	1.60	7.7	36.5	1200
YY36558		5.09	17.65	0.13	2.4	0.053	1.06	20.2	17.5	2.08	934	1.64	1.77	7.7	52.6	1150
YY36559		3.95	17.05	0.12	2.6	0.043	1.36	20.6	19.6	1.35	816	2.12	1.96	8.1	35.9	1350
YY36560		5.54	16.55	0.12	1.9	0.048	0.99	14.6	14.4	2.80	944	1.25	1.83	6.0	82.6	900
YY36561		6.55	15.90	0.11	1.4	0.040	0.87	10.1	12.0	4.22	1100	1.48	1.91	3.9	136.5	790
YY36562		3.93	14.30	0.13	2.2	0.040	1.04	20.0	17.9	1.67	769	1.55	1.39	6.5	58.0	1280
YY36563		6.69	17.40	0.12	1.5	0.054	0.89	12.6	15.4	3.61	1080	1.59	1.66	5.3	122.0	880
YY36564		6.39	15.60	0.11	1.7	0.056	0.80	13.5	14.3	2.81	1160	1.67	1.57	5.0	70.4	920
YY36565		7.75	16.40	0.09	0.9	0.059	1.00	8.1	7.4	2.59	1140	0.65	1.08	2.8	75.0	1090
YY36566		6.33	17.60	0.12	2.1	0.055	0.85	20.6	16.7	3.94	1230	1.65	1.52	8.1	152.0	620
YY36567		4.81	19.35	0.13	2.8	0.048	1.22	23.8	20.0	1.52	905	1.68	1.90	10.8	48.3	1150
YY36568		4.08	17.70	0.11	3.3	0.045	1.41	22.2	19.1	1.19	777	2.12	1.92	9.7	36.8	1150
YY36569		5.10	17.35	0.13	2.2	0.053	1.23	26.3	15.0	2.02	1040	2.08	1.83	8.8	67.7	1210
YY36570		6.00	19.30	0.15	2.1	0.068	1.58	28.6	14.1	2.25	1000	1.62	1.72	10.0	98.9	1020
YY36571																
YY36572		6.12	17.60	0.10	2.3	0.071	1.22	22.1	12.4	3.53	1120	1.40	1.69	9.3	150.5	750
YY36573		5.29	16.45	0.10	1.9	0.060	0.99	15.8	14.4	2.86	1220	2.31	1.80	8.1	95.6	1110



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY36534		8.5	56.1	<0.002	0.05	0.77	16.6	1	1.0	389	0.49	<0.05	4.46	0.474	0.25	2.0
YY36535		8.5	43.9	0.002	0.07	1.78	26.3	<1	1.1	301	0.46	<0.05	3.44	0.577	0.20	1.7
YY36536		7.0	40.5	<0.002	0.08	1.23	18.3	1	1.1	331	0.44	<0.05	3.64	0.430	0.25	1.6
YY36537		7.7	52.9	<0.002	0.03	1.78	22.9	<1	1.6	322	0.76	<0.05	5.50	0.500	0.29	2.2
YY36538		9.7	40.3	<0.002	0.10	0.95	12.6	1	1.1	375	0.51	0.06	4.08	0.392	0.30	1.9
YY36539		10.4	40.4	<0.002	0.07	2.67	18.3	1	1.1	311	0.55	0.08	3.83	0.477	0.29	1.7
YY36540		9.5	47.7	<0.002	0.10	2.37	42.9	1	0.9	224	0.26	0.11	1.92	0.577	0.21	0.8
YY36541		7.3	45.7	0.002	0.11	1.66	25.9	<1	1.1	262	0.35	0.07	2.62	0.391	0.25	1.1
YY36542		7.1	43.6	<0.002	0.11	1.14	18.6	1	1.0	264	0.39	0.09	2.75	0.444	0.26	1.3
YY36543		7.3	32.3	<0.002	0.14	1.29	18.1	1	1.0	243	0.38	0.17	2.83	0.395	0.23	1.3
YY36544		7.7	59.5	<0.002	0.09	2.38	19.1	1	1.8	318	0.52	0.26	6.42	0.377	0.27	7.8
YY36545		14.7	88.3	<0.002	0.11	2.81	27.6	1	2.1	355	0.52	1.86	7.14	0.437	0.43	3.1
YY36546		10.1	75.9	<0.002	0.06	1.65	23.0	<1	1.9	250	0.63	0.97	9.14	0.502	0.44	3.0
YY36547		13.0	87.3	<0.002	0.03	1.81	20.5	<1	1.8	286	0.64	0.60	6.76	0.465	0.43	3.0
YY36548		16.8	71.2	<0.002	0.06	1.87	23.2	1	1.4	253	0.52	0.20	8.49	0.433	0.31	3.4
YY36549		10.0	49.0	<0.002	0.09	1.29	17.3	1	1.5	272	0.67	0.05	5.36	0.528	0.35	2.2
YY36550		9.9	47.5	<0.002	0.08	1.20	12.4	1	1.3	357	0.59	0.06	4.38	0.461	0.29	2.0
YY36551		8.4	60.2	<0.002	0.05	1.52	23.6	1	1.4	313	0.59	0.07	5.14	0.473	0.27	2.0
YY36552		9.0	55.5	<0.002	0.08	1.31	16.8	1	1.3	308	0.55	<0.05	5.43	0.437	0.30	1.9
YY36553		6.8	47.6	<0.002	0.05	1.46	23.5	1	1.3	319	0.53	0.05	4.64	0.530	0.24	1.7
YY36554		6.2	46.0	<0.002	0.05	2.71	27.7	1	1.0	279	0.37	<0.05	2.67	0.578	0.20	1.2
YY36555		6.5	48.4	<0.002	0.05	2.11	25.2	1	1.3	265	0.44	<0.05	2.99	0.557	0.23	1.9
YY36556		6.6	34.2	0.002	0.13	1.85	10.2	1	0.8	368	0.37	<0.05	3.46	0.322	0.23	3.5
YY36557		13.8	40.9	<0.002	0.09	0.96	13.4	1	1.1	342	0.51	<0.05	4.60	0.404	0.26	2.2
YY36558		8.2	38.8	<0.002	0.07	1.11	20.1	1	1.1	353	0.47	0.05	3.58	0.505	0.22	1.7
YY36559		9.0	48.3	<0.002	0.08	1.08	12.3	<1	1.1	369	0.51	0.05	4.51	0.433	0.24	2.0
YY36560		6.3	39.4	<0.002	0.06	1.13	22.3	1	0.9	347	0.36	<0.05	2.78	0.448	0.20	1.4
YY36561		5.1	20.1	<0.002	0.03	0.68	28.1	<1	0.7	348	0.24	<0.05	1.83	0.451	0.18	0.8
YY36562		8.7	38.7	<0.002	0.12	1.47	15.2	1	0.9	291	0.41	<0.05	3.96	0.381	0.24	2.2
YY36563		6.2	36.2	<0.002	0.03	1.34	29.2	1	0.9	322	0.31	<0.05	2.14	0.485	0.16	1.2
YY36564		5.3	27.6	<0.002	0.05	1.33	28.3	1	0.8	328	0.31	<0.05	2.36	0.457	0.16	1.2
YY36565		3.0	32.5	<0.002	0.02	2.10	36.9	<1	0.7	302	0.18	<0.05	1.20	0.552	0.13	0.5
YY36566		7.7	29.2	<0.002	0.03	1.06	25.7	<1	1.3	254	0.50	<0.05	3.82	0.555	0.24	1.6
YY36567		10.3	45.3	<0.002	0.06	1.27	14.9	<1	1.5	375	0.67	0.06	5.04	0.562	0.30	2.1
YY36568		9.4	46.8	<0.002	0.08	1.24	12.5	1	1.3	367	0.60	<0.05	5.13	0.464	0.31	2.3
YY36569		7.4	44.6	<0.002	0.07	1.47	19.5	<1	1.2	302	0.50	<0.05	4.63	0.531	0.27	2.0
YY36570		7.3	61.0	<0.002	0.06	2.10	25.7	<1	1.4	317	0.58	0.05	4.88	0.566	0.29	2.5
YY36571																
YY36572		8.3	33.3	0.003	0.02	0.90	26.2	<1	1.2	305	0.59	<0.05	4.47	0.562	0.27	1.8
YY36573		13.7	45.9	0.005	0.06	0.96	23.8	1	1.4	271	0.53	0.32	4.42	0.490	0.25	1.7



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		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY36534		126	0.7	15.8	107	95.7
YY36535		211	0.7	21.5	107	64.4
YY36536		133	0.7	18.9	115	72.9
YY36537		130	0.8	21.4	122	81.4
YY36538		101	0.6	13.8	91	105.5
YY36539		146	0.7	17.0	100	80.5
YY36540		288	0.7	25.8	120	37.5
YY36541		174	0.8	19.6	82	51.8
YY36542		155	0.7	14.6	101	66.1
YY36543		120	0.7	18.3	85	61.7
YY36544		116	2.0	25.6	100	68.7
YY36545		165	3.9	22.8	141	65.5
YY36546		160	2.7	22.6	111	75.1
YY36547		150	2.2	16.8	91	71.2
YY36548		166	1.1	19.8	126	72.9
YY36549		134	0.8	18.6	107	93.9
YY36550		110	0.9	13.7	97	105.5
YY36551		151	0.9	22.4	100	66.8
YY36552		120	0.7	18.6	106	86.0
YY36553		169	1.3	20.5	106	62.9
YY36554		216	1.0	16.0	113	55.2
YY36555		187	0.7	18.3	95	57.1
YY36556		91	0.5	15.2	77	91.2
YY36557		108	0.7	21.7	85	87.1
YY36558		169	0.6	17.3	91	85.4
YY36559		109	0.7	14.6	100	96.1
YY36560		176	0.6	15.1	92	64.6
YY36561		220	0.6	13.3	97	48.3
YY36562		116	0.7	17.4	85	77.2
YY36563		219	0.8	17.0	104	51.2
YY36564		227	0.6	16.0	95	58.3
YY36565		337	0.4	14.1	86	22.9
YY36566		196	0.6	17.9	111	69.4
YY36567		136	0.8	18.1	120	102.0
YY36568		116	1.0	16.0	118	112.0
YY36569		147	0.6	20.1	101	75.3
YY36570		179	0.7	23.5	110	75.6
YY36571						
YY36572		186	0.5	18.8	110	79.0
YY36573		165	0.8	19.8	180	68.1



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY36574		0.31	0.065	0.28	8.06	11.6	540	1.46	0.24	2.04	0.23	41.0	27.3	192	1.80	105.5
YY36575		0.27	0.016	0.19	7.34	8.4	370	1.21	0.12	3.50	0.17	48.7	40.0	606	1.76	41.8
YY36576		0.21	0.002	0.09	7.54	16.2	670	1.34	0.19	2.34	0.26	49.1	25.3	167	2.64	47.6
YY36577		0.36	0.002	0.26	8.09	16.3	560	1.38	0.10	2.34	0.17	46.0	27.0	282	3.54	54.8
YY36578		0.18	0.001	0.11	7.32	14.8	640	1.35	0.15	2.63	0.28	61.4	28.1	219	2.46	63.9
YY36579		0.15	0.001	0.10	6.88	13.3	560	1.38	0.11	2.60	0.15	56.5	26.1	254	2.02	54.2
YY36580		0.23	0.001	0.08	7.12	12.0	510	1.14	0.11	3.55	0.14	48.9	35.3	360	1.83	70.5
YY36581		0.21	0.001	0.09	7.06	14.3	470	1.12	0.09	3.31	0.12	39.2	30.0	317	1.80	47.7
YY36582		0.33	<0.001	0.06	7.94	43.6	500	1.57	0.06	2.95	0.11	52.9	38.8	403	1.55	53.8
YY36583		0.14	0.002	0.13	5.96	6.0	460	1.20	0.10	2.39	0.32	37.6	26.5	297	2.19	53.1
YY36584		0.20	0.001	0.09	6.84	7.5	550	1.42	0.12	2.21	0.11	49.4	23.9	233	1.87	55.9
YY36585		0.18	0.001	0.10	7.04	9.2	590	1.38	0.17	2.09	0.18	46.0	22.6	153	2.20	37.3
YY36586		0.18	0.013	0.19	6.95	9.6	650	1.41	0.21	2.15	0.20	45.0	16.2	90	1.92	47.7
YY36587		0.20	0.017	0.11	7.33	8.5	550	1.79	0.21	2.33	0.15	44.2	21.1	149	1.74	48.8
YY36588		0.39	0.043	0.34	7.23	11.2	510	0.87	0.11	4.85	0.51	20.0	45.4	189	1.35	254
YY36589		0.26	0.006	0.12	6.48	9.0	490	1.01	0.10	2.77	0.27	29.2	26.1	125	1.56	81.6
YY36590		0.52	0.042	0.18	7.28	15.1	430	0.90	0.10	3.84	0.46	30.9	31.9	232	0.86	85.1
YY36591		0.37	0.070	0.15	9.43	102.5	440	1.13	0.13	1.52	0.15	39.6	32.2	79	2.19	102.5
YY36592		0.33	0.022	0.18	9.22	61.2	480	1.11	0.14	1.51	0.25	36.0	26.8	123	3.08	75.1
YY36593		0.22	0.002	0.12	7.84	15.2	730	1.30	0.22	2.13	0.19	42.8	19.3	109	2.58	34.1
YY36594		0.45	0.005	0.06	10.90	9.0	510	1.06	0.10	1.40	0.04	32.1	24.1	51	2.40	44.7
YY36595		0.30	0.002	0.15	8.14	12.2	390	1.29	0.09	1.73	1.24	43.5	36.9	70	2.64	105.0
YY36596		0.25	0.002	0.12	8.14	14.3	580	1.13	0.15	2.17	0.28	37.2	21.7	65	3.63	68.0
YY36597		0.34	0.003	0.09	8.35	26.3	530	1.33	0.17	1.72	0.21	46.4	31.3	162	2.83	60.4
YY36598		0.21	0.004	0.11	7.09	19.3	590	1.18	0.20	2.04	0.40	36.6	24.3	96	2.57	40.2
YY36599		0.29	0.026	0.16	8.77	272	440	1.13	0.09	1.47	0.14	40.5	57.5	72	3.02	137.0
YY36600		0.18	0.005	0.17	7.16	39.1	580	1.34	0.18	1.98	0.60	43.7	36.9	99	2.52	59.4
YY36601		0.29	0.003	0.08	7.45	238	70	0.77	0.03	0.68	0.12	17.75	92.8	1900	0.95	108.5
YY36602		0.32	0.007	0.17	9.40	80.7	460	1.14	0.15	1.53	0.38	40.7	38.1	97	3.50	100.0
YY36603		0.19	0.003	0.14	6.84	16.3	590	1.25	0.15	2.94	0.32	43.3	23.1	62	2.15	68.4
YY36604		0.29	0.005	0.25	8.80	49.0	540	1.39	0.13	1.62	0.58	48.6	42.0	53	3.12	94.7
YY36605		0.32	0.004	0.08	7.81	25.3	440	1.04	0.16	1.84	0.25	49.2	34.6	80	2.88	88.4
YY36606		0.22	0.002	0.17	7.04	18.2	470	1.04	0.19	2.11	0.35	38.2	29.0	57	2.48	72.0
YY36607		0.23	0.007	0.11	7.97	15.1	620	1.35	0.14	2.45	0.22	45.9	26.8	94	2.41	68.6
YY36608		0.24	0.002	0.15	7.50	17.5	630	1.22	0.18	2.12	0.30	50.6	22.1	80	2.28	62.1
YY36609		0.31	0.008	0.18	8.30	35.3	530	0.93	0.25	1.82	0.30	40.8	30.7	50	3.51	116.5
YY36610		0.29	0.006	0.18	7.97	31.4	570	1.10	0.23	1.93	0.20	44.1	29.7	78	2.79	80.9
YY36611		0.40	0.007	0.27	8.49	55.0	530	1.01	0.43	1.52	0.50	51.5	45.0	56	2.74	170.0
YY36612		0.23	0.002	0.15	7.61	34.7	580	1.40	0.16	2.73	0.23	56.9	29.4	92	3.01	143.5
YY36613		0.23	0.008	0.14	7.54	17.1	620	1.21	0.13	2.56	0.20	46.8	23.6	66	2.50	96.9



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CERTIFICATE OF ANALYSIS WH21172481

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY36574		5.52	17.95	0.11	1.7	0.065	1.55	21.3	13.7	1.94	1200	2.95	1.74	8.7	61.8	850
YY36575		6.11	16.40	0.10	2.2	0.060	1.01	21.7	12.7	4.66	1240	1.33	1.25	6.4	193.0	720
YY36576		5.34	18.65	0.10	2.8	0.063	1.10	22.4	22.1	1.75	980	2.56	1.69	11.5	59.2	1130
YY36577		5.54	18.40	0.11	2.1	0.059	1.65	23.7	13.2	1.78	1140	1.70	1.76	9.1	76.6	990
YY36578		5.08	17.65	0.12	2.5	0.052	1.29	32.6	19.1	2.50	1070	1.95	1.68	8.6	99.2	1200
YY36579		4.92	17.00	0.12	2.3	0.052	1.21	35.6	16.5	2.43	986	1.85	1.51	9.1	96.9	1030
YY36580		5.27	16.75	0.11	2.5	0.050	1.13	28.0	17.0	3.98	1080	1.53	1.52	7.1	159.5	910
YY36581		5.20	15.80	0.10	2.1	0.058	1.13	20.1	12.8	2.99	1010	1.44	1.60	7.8	119.5	780
YY36582		6.53	18.25	0.12	2.3	0.073	1.33	26.1	13.3	3.43	1460	1.51	2.12	10.1	122.0	1060
YY36583		4.39	14.45	0.11	1.8	0.050	1.01	22.1	13.4	2.42	929	2.12	1.07	5.6	119.0	1020
YY36584		4.82	17.30	0.11	2.6	0.054	1.18	27.7	13.6	1.89	907	1.98	1.42	9.7	95.1	1150
YY36585		4.67	17.55	0.10	2.6	0.054	1.18	21.7	17.0	1.32	957	2.25	1.67	10.3	56.5	1370
YY36586		3.73	17.00	0.12	2.6	0.045	1.32	24.6	17.2	1.22	785	2.27	1.70	8.5	42.1	1040
YY36587		4.30	17.15	0.11	2.1	0.056	1.40	24.6	14.1	1.91	910	2.81	1.79	9.1	70.8	1040
YY36588		7.17	17.80	0.10	1.1	0.066	1.14	9.3	8.9	3.55	1720	1.38	1.76	3.9	90.2	750
YY36589		4.41	14.60	0.10	2.0	0.041	0.90	14.5	13.3	2.30	941	1.76	1.76	6.3	59.3	1130
YY36590		5.56	15.50	0.09	1.6	0.060	1.01	14.7	10.3	2.81	1200	1.30	2.15	7.5	84.0	970
YY36591		6.40	19.75	0.11	1.4	0.071	1.66	19.6	21.6	1.05	1190	2.37	1.29	6.1	34.8	690
YY36592		6.20	19.30	0.13	1.7	0.074	1.32	20.8	21.0	1.10	1120	1.74	1.27	5.9	47.8	1060
YY36593		5.27	20.3	0.11	2.9	0.064	1.15	22.1	21.9	1.32	920	3.10	1.87	13.3	34.7	1040
YY36594		4.89	23.3	0.11	0.9	0.076	2.93	14.4	14.5	0.84	958	1.44	0.81	6.1	19.5	950
YY36595		7.71	17.90	0.12	1.9	0.073	0.79	22.7	14.1	1.13	2070	1.31	1.51	4.6	32.2	1110
YY36596		4.59	17.30	0.13	2.1	0.058	1.15	17.7	18.9	1.10	777	1.79	1.48	7.1	32.9	1120
YY36597		6.06	18.75	0.10	2.2	0.069	1.08	20.2	20.7	1.71	1200	2.21	1.53	8.7	59.2	1490
YY36598		5.35	17.50	0.09	2.5	0.058	0.99	17.3	21.6	1.28	962	2.92	1.63	10.5	34.9	1350
YY36599		8.29	17.85	0.10	1.7	0.133	0.89	14.7	14.8	1.69	1460	3.01	1.39	5.5	47.6	900
YY36600		5.23	16.85	0.10	2.5	0.066	0.98	19.2	20.2	1.31	948	2.61	1.54	10.2	45.9	1280
YY36601		8.20	16.70	0.09	1.6	0.064	0.07	8.2	21.2	6.01	2050	0.69	0.23	2.1	593	540
YY36602		6.90	19.15	0.09	1.6	0.087	0.95	19.8	21.5	1.43	1270	1.86	1.53	5.8	44.3	800
YY36603		4.08	15.25	0.11	2.4	0.047	1.09	20.5	16.3	1.09	1090	1.87	1.61	7.3	31.0	1440
YY36604		5.68	18.90	0.12	1.5	0.077	1.18	27.0	16.9	0.93	1300	5.99	1.48	6.4	29.8	690
YY36605		6.64	16.20	0.11	2.0	0.079	1.12	20.8	20.7	1.35	1320	4.42	1.31	6.9	39.0	1260
YY36606		5.03	14.35	0.11	2.0	0.062	1.11	18.3	18.0	1.11	1070	3.34	1.23	6.1	28.8	1340
YY36607		5.20	17.30	0.11	2.4	0.061	1.10	19.3	19.5	1.40	1060	2.08	1.76	9.2	42.3	970
YY36608		4.58	18.15	0.17	2.6	0.057	1.18	22.9	21.0	1.28	951	2.97	1.72	9.7	39.9	1120
YY36609		6.40	17.55	0.18	2.0	0.087	1.37	20.7	22.5	1.11	1180	4.72	1.09	5.5	30.3	840
YY36610		5.43	18.50	0.18	2.5	0.067	1.24	19.6	23.3	1.19	1030	4.12	1.52	7.8	39.3	1230
YY36611		7.42	20.1	0.20	1.9	0.098	1.31	21.5	22.0	1.02	1030	4.87	1.19	6.8	42.2	910
YY36612		5.48	17.50	0.18	2.4	0.064	1.00	20.5	21.8	1.50	1140	1.93	1.50	9.2	54.6	1150
YY36613		4.79	18.20	0.20	2.2	0.053	1.10	20.9	19.3	1.40	1060	1.82	1.66	7.7	31.0	1150



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY36574		10.2	55.9	0.005	0.04	2.23	24.6	1	1.2	326	0.54	0.15	4.15	0.502	0.27	1.5
YY36575		11.2	53.9	0.004	0.03	0.88	29.5	<1	1.0	262	0.40	0.10	3.87	0.478	0.28	1.6
YY36576		11.8	42.4	0.005	0.07	1.50	18.2	<1	1.5	302	0.69	0.05	5.25	0.609	0.39	2.5
YY36577		8.8	48.4	0.004	0.03	2.10	23.5	1	1.2	372	0.58	<0.05	4.85	0.534	0.28	3.4
YY36578		10.5	45.5	0.004	0.06	1.10	18.9	<1	1.2	342	0.54	<0.05	6.82	0.486	0.30	2.8
YY36579		8.9	46.9	0.004	0.07	1.11	19.5	1	1.2	321	0.55	<0.05	6.83	0.452	0.24	2.9
YY36580		7.1	40.6	0.005	0.05	1.13	25.4	<1	1.0	352	0.45	<0.05	5.19	0.453	0.24	2.3
YY36581		6.4	42.6	0.004	0.05	1.29	24.5	1	1.1	348	0.48	<0.05	4.02	0.489	0.23	2.0
YY36582		7.0	35.7	0.005	0.03	2.20	27.9	<1	1.1	339	0.59	<0.05	3.81	0.662	0.21	2.3
YY36583		22.1	54.0	0.004	0.11	0.83	20.0	<1	0.9	223	0.35	<0.05	4.27	0.345	0.28	2.4
YY36584		12.5	57.4	0.003	0.07	0.92	19.4	1	1.2	294	0.60	<0.05	5.70	0.471	0.31	2.3
YY36585		9.9	48.8	0.003	0.09	1.20	16.8	<1	1.4	317	0.65	<0.05	5.14	0.513	0.33	2.1
YY36586		12.1	48.0	0.005	0.09	1.14	13.1	1	1.2	329	0.57	0.06	5.80	0.384	0.34	2.6
YY36587		8.7	53.0	0.004	0.07	1.23	17.6	1	1.3	283	0.62	<0.05	6.53	0.413	0.29	2.2
YY36588		21.5	25.3	0.003	0.03	0.83	30.4	1	0.8	285	0.22	<0.05	1.14	0.472	0.20	0.6
YY36589		7.6	35.9	0.003	0.08	0.99	18.4	1	0.9	262	0.37	<0.05	3.00	0.437	0.21	1.4
YY36590		9.0	17.9	0.005	0.01	2.41	25.7	<1	1.0	413	0.46	0.10	1.93	0.566	0.17	1.0
YY36591		9.0	53.1	0.004	0.06	3.31	31.4	1	1.0	235	0.37	0.10	2.71	0.570	0.28	1.4
YY36592		14.5	52.3	0.004	0.07	2.33	33.6	1	1.0	235	0.37	0.07	3.11	0.452	0.28	1.4
YY36593		13.5	42.9	0.004	0.05	1.51	16.6	1	1.7	313	0.77	0.05	5.20	0.707	0.46	2.7
YY36594		4.2	85.6	0.005	0.07	3.05	29.5	1	1.2	150.5	0.41	0.09	2.40	0.643	0.35	0.9
YY36595		10.3	27.7	0.004	0.07	1.11	42.4	1	0.9	221	0.27	0.05	2.79	0.528	0.19	1.2
YY36596		11.1	39.7	0.005	0.09	1.15	19.2	1	1.1	320	0.44	<0.05	3.80	0.454	0.30	1.8
YY36597		13.5	39.1	0.003	0.08	1.93	24.5	1	1.3	256	0.54	0.10	4.07	0.571	0.32	1.8
YY36598		11.1	37.0	0.004	0.08	1.55	14.3	1	1.4	294	0.63	0.07	4.23	0.612	0.34	2.1
YY36599		7.6	32.1	0.004	0.06	2.33	27.7	1	1.0	257	0.34	0.42	2.83	0.549	0.21	1.5
YY36600		10.8	37.2	0.004	0.08	1.76	17.0	1	1.4	269	0.60	0.07	4.21	0.565	0.33	2.1
YY36601		3.0	2.6	0.005	0.02	8.75	59.9	<1	0.6	50.6	0.13	<0.05	0.97	0.468	0.02	0.4
YY36602		17.0	30.1	0.003	0.06	2.92	38.2	1	1.0	225	0.36	0.08	2.93	0.534	0.22	1.4
YY36603		10.9	36.7	0.005	0.11	1.20	13.5	<1	1.1	379	0.46	<0.05	4.14	0.406	0.28	3.0
YY36604		20.0	41.8	0.004	0.07	2.79	25.0	1	1.0	224	0.43	0.09	3.76	0.394	0.25	2.2
YY36605		13.6	40.3	0.006	0.08	1.41	24.0	1	1.1	309	0.43	0.12	3.73	0.496	0.28	2.3
YY36606		14.3	37.1	0.005	0.12	1.12	17.9	1	0.9	302	0.39	0.14	3.43	0.414	0.26	2.0
YY36607		12.8	35.3	0.005	0.05	1.31	19.7	1	1.3	325	0.57	0.05	4.33	0.566	0.31	2.0
YY36608		15.3	41.4	<0.002	0.07	1.65	16.9	1	1.2	317	0.55	0.05	4.69	0.481	0.29	2.2
YY36609		14.4	47.6	0.002	0.12	3.46	26.3	2	1.0	276	0.33	0.27	3.21	0.411	0.28	2.1
YY36610		15.2	43.5	0.002	0.09	2.16	20.5	1	1.1	340	0.45	0.14	3.97	0.433	0.30	2.2
YY36611		34.7	44.8	0.002	0.13	2.81	27.5	2	1.2	266	0.41	0.35	4.12	0.434	0.29	1.9
YY36612		10.3	38.5	<0.002	0.07	1.49	20.4	1	1.3	294	0.54	0.07	4.47	0.530	0.29	1.8
YY36613		10.1	36.2	<0.002	0.07	1.43	18.9	1	1.0	337	0.47	<0.05	3.67	0.470	0.27	1.6



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY36574		168	1.2	19.9	111	69.4
YY36575		186	0.6	18.3	100	76.7
YY36576		157	0.9	18.4	131	107.5
YY36577		174	0.6	21.2	104	77.1
YY36578		140	0.6	24.3	114	93.3
YY36579		129	0.6	23.6	105	83.4
YY36580		156	0.5	22.5	99	87.1
YY36581		156	0.6	19.5	92	79.2
YY36582		194	0.8	26.4	117	82.9
YY36583		127	0.7	18.7	106	69.5
YY36584		133	0.6	18.0	97	93.6
YY36585		133	0.6	16.0	95	96.7
YY36586		94	0.6	17.8	102	98.6
YY36587		118	0.9	22.8	94	77.5
YY36588		269	0.9	18.5	118	38.5
YY36589		133	0.7	14.5	101	73.2
YY36590		199	0.9	17.6	115	56.1
YY36591		213	1.8	24.1	87	47.9
YY36592		204	2.1	26.6	111	55.1
YY36593		176	0.9	17.0	100	124.5
YY36594		230	1.1	13.4	73	22.4
YY36595		264	0.6	31.0	175	63.8
YY36596		147	0.7	17.3	103	82.6
YY36597		186	0.7	20.3	104	86.6
YY36598		159	0.7	14.4	155	100.5
YY36599		220	0.7	18.7	81	57.4
YY36600		151	0.8	16.0	187	104.0
YY36601		282	0.7	23.7	86	51.3
YY36602		229	0.8	27.0	122	55.4
YY36603		115	0.8	17.8	98	91.8
YY36604		160	0.5	36.4	110	48.7
YY36605		158	0.6	24.4	97	81.1
YY36606		121	0.5	20.9	108	73.4
YY36607		154	0.7	20.0	107	91.0
YY36608		128	0.7	19.8	112	105.5
YY36609		156	0.6	29.7	98	73.9
YY36610		142	0.6	20.8	97	95.6
YY36611		153	0.7	27.6	141	76.7
YY36612		153	0.7	20.0	105	95.9
YY36613		145	0.7	18.8	95	86.3



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
YY36614		0.17	0.005	0.09	7.11	13.5	600	1.11	0.14	2.20	0.33	40.0	18.3	61	2.23	53.4
YY36615		0.44	0.001	0.06	11.95	18.3	350	1.04	0.12	1.84	0.13	24.7	24.6	16	5.85	50.6
YY36616		0.21	0.005	0.11	6.99	6.4	780	1.30	0.17	2.00	0.36	52.1	11.7	46	1.81	41.2
YY36617		0.21	0.009	0.13	6.37	5.6	690	1.14	0.15	2.12	0.13	42.2	11.6	55	1.67	40.8
YY36618		0.20	0.005	0.09	7.03	5.4	730	1.22	0.15	2.23	0.15	48.6	13.9	81	1.72	40.4
YY36619		0.25	0.017	0.12	7.20	8.5	700	1.38	0.20	2.03	0.27	60.2	16.8	96	2.04	47.6
YY36620		0.22	0.007	0.07	7.51	7.1	600	1.29	0.10	2.50	0.18	49.2	23.0	236	1.65	47.6
YY36621		0.27	0.008	0.07	7.07	5.9	720	1.25	0.14	2.02	0.18	44.4	13.3	75	1.70	47.1
YY36622		0.16	0.003	0.08	6.33	6.4	630	1.10	0.13	2.24	0.17	41.9	14.9	89	1.79	46.8
YY36623		0.15	0.007	0.09	6.65	5.1	650	1.15	0.12	2.31	0.14	41.8	14.6	111	1.44	44.0
YY36751		0.20	0.016	0.15	7.24	7.5	550	1.05	0.13	2.71	0.14	36.8	29.8	112	1.96	133.5
YY36752		0.19	0.009	0.20	7.11	8.1	590	1.07	0.14	2.67	0.15	31.6	23.6	109	1.75	73.7
YY36753		0.17	0.001	0.08	6.97	11.0	660	1.16	0.17	2.07	0.21	36.0	21.0	64	2.13	36.5
YY36754		0.16	0.003	0.15	7.03	9.5	660	1.16	0.17	2.22	0.24	38.2	17.9	65	2.13	52.2
YY36755		0.24	0.003	0.10	9.06	15.2	520	1.07	0.15	1.77	0.18	41.3	22.6	69	2.99	55.3
YY36756		0.22	0.008	0.10	8.58	28.5	540	1.11	0.14	1.88	0.22	40.9	26.5	107	2.22	89.5
YY36757		0.29	0.012	0.16	7.62	7.9	600	1.10	0.11	2.81	0.12	31.0	27.8	126	1.63	109.5
YY36758		0.23	0.032	0.32	6.86	10.7	560	1.20	0.42	2.40	0.47	37.3	25.0	143	2.33	87.6
YY36759		0.14	0.024	0.23	5.22	6.3	490	0.95	0.10	3.10	0.26	32.7	17.6	92	1.68	124.5
YY36760		0.15	0.013	0.11	6.34	7.8	370	0.91	0.11	3.24	0.17	32.0	36.6	332	1.83	44.1
YY36761		0.23	0.023	0.17	7.76	15.8	540	1.65	1.24	2.28	0.17	60.3	27.8	212	1.68	103.5
YY36762		0.21	0.013	0.11	7.73	8.8	630	1.79	1.22	2.04	0.15	80.0	22.8	279	1.28	66.2
YY36763		0.23	0.016	0.14	7.61	13.2	580	2.03	1.89	1.33	0.11	83.6	15.7	146	1.84	69.0
YY36764		0.17	0.032	0.24	7.27	9.1	660	1.58	0.93	2.13	0.22	68.8	18.3	140	2.17	74.8
YY36765		0.15	0.006	0.10	5.92	4.9	620	1.06	0.19	2.30	0.24	50.3	12.1	52	1.48	38.0
YY36766		0.17	0.003	0.09	6.30	9.8	610	1.17	0.20	2.13	0.34	50.6	16.1	67	2.07	45.1
YY36767		0.12	0.008	0.17	6.06	9.0	630	1.25	0.26	2.23	0.37	54.0	15.3	76	1.94	44.3
YY36768		0.20	0.001	0.12	7.60	15.7	700	1.31	0.18	2.26	0.27	49.3	20.0	91	2.49	46.4
YY36769		0.17	<0.001	0.09	6.79	7.3	660	1.14	0.15	2.37	0.29	41.3	13.8	52	1.74	38.2
YY36770		0.19	0.001	0.10	7.28	8.6	700	1.27	0.18	2.46	0.23	51.6	17.6	73	1.93	40.3
YY36771		0.17	0.001	0.10	6.83	6.9	660	1.23	0.16	2.27	0.27	39.1	13.3	50	1.63	43.0
YY36772		0.18	0.003	0.22	7.52	11.7	740	1.31	0.21	2.30	0.24	44.0	16.6	80	2.31	55.9
YY36773		0.15	0.002	0.11	6.47	8.2	660	1.17	0.19	2.17	0.17	42.3	15.5	75	1.63	36.8
YY36774		0.16	0.020	0.13	6.69	9.3	620	1.17	0.14	2.49	0.19	40.8	19.5	129	2.07	45.2
YY36775		0.15	0.002	0.10	6.99	11.0	650	1.29	0.16	2.26	0.23	43.8	21.8	89	2.34	48.8
YY36776		0.17	0.009	0.12	6.74	6.7	670	1.11	0.14	2.62	0.25	38.2	14.8	84	1.60	42.6
YY36777		0.15	0.004	0.10	6.40	7.1	670	1.18	0.14	2.64	0.18	39.0	15.6	97	1.67	38.9
YY36778		0.15	0.003	0.13	7.04	9.5	690	1.17	0.14	2.47	0.15	42.1	18.0	108	1.74	48.6
YY36779		0.17	0.002	0.10	6.42	9.7	600	1.15	0.16	2.21	0.22	43.3	17.2	78	1.97	35.9
YY36780		0.15	0.001	0.09	6.58	5.7	590	1.10	0.11	2.54	0.23	34.3	20.3	206	1.83	37.0



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY36614		4.10	17.30	0.20	2.4	0.047	1.14	19.5	19.1	1.12	904	2.06	1.68	8.2	27.3	1540
YY36615		4.46	24.3	0.17	0.6	0.077	0.86	10.8	30.2	0.64	713	1.73	1.14	5.6	9.9	320
YY36616		2.75	18.10	0.21	2.9	0.035	1.69	27.4	20.3	0.78	689	2.08	2.08	7.2	23.1	840
YY36617		2.67	16.65	0.21	2.6	0.034	1.49	22.5	18.3	0.79	618	1.73	1.91	6.8	22.7	970
YY36618		3.08	17.75	0.23	2.6	0.041	1.62	25.7	19.8	1.00	854	1.71	2.03	7.8	30.8	820
YY36619		3.62	18.45	0.23	2.5	0.047	1.46	31.1	20.2	1.06	1010	6.21	1.78	8.4	38.7	910
YY36620		4.34	18.10	0.22	2.1	0.051	1.54	24.9	18.0	1.81	1020	1.23	1.93	8.3	73.6	790
YY36621		3.12	17.55	0.20	2.7	0.037	1.59	22.9	19.2	0.95	777	1.75	2.01	7.6	27.3	770
YY36622		3.08	15.80	0.21	2.3	0.042	1.35	22.2	17.5	1.09	797	1.54	1.65	7.3	35.2	900
YY36623		3.13	15.70	0.22	2.3	0.040	1.45	22.1	15.8	1.20	801	1.45	1.84	7.0	40.3	810
YY36751		5.76	18.10	0.18	1.5	0.058	1.10	17.0	15.7	2.77	1340	2.19	1.88	6.2	48.3	1260
YY36752		4.57	17.35	0.19	2.0	0.050	1.23	15.3	18.1	1.92	952	3.30	1.88	7.8	46.3	1100
YY36753		3.87	18.35	0.20	2.7	0.041	1.34	17.8	20.1	1.00	1100	2.59	1.97	9.6	23.8	890
YY36754		4.04	18.30	0.21	2.7	0.045	1.38	19.2	20.1	1.10	884	2.13	1.84	8.4	25.5	1010
YY36755		4.88	20.7	0.21	1.7	0.066	1.13	18.1	23.2	1.00	911	2.06	1.38	8.3	28.4	1060
YY36756		6.28	19.05	0.16	2.0	0.066	1.13	17.5	21.0	1.43	1160	1.91	1.62	7.6	43.3	1040
YY36757		5.93	17.50	0.19	1.2	0.062	1.20	16.0	13.9	1.93	1240	1.98	1.64	5.6	50.2	980
YY36758		4.92	17.10	0.18	2.2	0.052	1.27	17.4	19.3	2.06	1180	1.93	1.64	7.5	52.5	1180
YY36759		3.66	12.05	0.18	1.4	0.038	0.82	19.4	11.7	1.40	843	1.55	1.27	5.5	36.8	1090
YY36760		4.62	14.45	0.17	1.3	0.048	0.80	14.4	13.6	2.38	1160	1.12	1.63	7.1	121.0	980
YY36761		5.96	20.1	0.21	2.1	0.090	1.69	31.3	15.8	2.02	1180	2.57	1.85	9.0	71.6	910
YY36762		5.42	18.95	0.23	2.1	0.080	2.28	38.8	12.5	1.97	1050	5.84	1.90	9.1	77.7	740
YY36763		4.37	19.80	0.25	1.6	0.084	2.67	39.4	14.2	1.22	846	12.85	1.45	10.8	45.3	640
YY36764		4.42	18.45	0.23	2.4	0.064	1.74	39.5	17.1	1.36	945	3.39	1.73	8.8	45.3	980
YY36765		2.84	15.10	0.22	2.4	0.033	1.32	26.4	15.3	0.93	653	2.37	1.82	6.2	22.0	1010
YY36766		3.58	15.85	0.22	2.4	0.042	1.16	25.1	18.2	1.00	821	2.47	1.61	8.0	27.5	1200
YY36767		3.54	15.45	0.22	2.2	0.048	1.14	32.4	16.5	1.05	974	4.43	1.47	7.4	32.3	1220
YY36768		5.03	19.70	0.22	2.9	0.059	1.10	21.1	23.1	1.29	825	3.09	1.83	11.2	38.0	780
YY36769		3.28	16.85	0.20	2.7	0.037	1.32	20.2	19.9	1.04	596	2.11	1.93	7.6	25.0	1200
YY36770		4.12	18.60	0.23	2.7	0.050	1.30	25.8	20.0	1.30	764	3.18	1.92	9.0	33.0	970
YY36771		3.18	15.30	0.14	2.6	0.037	1.36	19.3	18.2	0.91	829	1.91	1.98	7.6	22.2	1190
YY36772		4.46	17.60	0.13	2.8	0.052	1.31	21.8	19.9	1.12	724	2.32	2.04	10.7	36.1	890
YY36773		3.44	14.85	0.13	2.5	0.041	1.24	21.1	16.9	0.97	740	1.96	1.75	8.0	28.0	1350
YY36774		4.32	15.30	0.14	2.2	0.048	1.17	24.5	17.0	1.50	806	3.07	1.60	8.7	52.2	1180
YY36775		4.66	16.25	0.12	2.6	0.054	1.10	21.6	19.9	1.20	1510	2.08	1.71	11.4	34.3	1070
YY36776		3.57	14.95	0.14	2.3	0.036	1.32	20.3	16.7	1.17	743	2.10	1.81	7.0	32.7	1070
YY36777		3.29	14.55	0.13	2.3	0.036	1.28	20.8	17.0	1.24	825	1.65	1.79	7.0	40.4	1090
YY36778		3.93	15.40	0.17	2.3	0.039	1.32	22.2	17.9	1.38	902	1.57	1.91	7.9	42.7	1280
YY36779		3.92	15.65	0.14	2.5	0.047	1.15	22.5	18.5	1.17	724	2.55	1.68	9.0	33.4	1230
YY36780		4.13	14.60	0.13	2.2	0.039	1.27	16.4	15.0	1.72	890	1.36	1.59	5.9	69.8	1100



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		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY36614		9.8	40.9	<0.002	0.10	1.10	15.2	1	1.0	319	0.49	<0.05	4.01	0.422	0.25	1.8
YY36615		10.1	22.8	0.007	0.11	1.25	27.3	1	0.9	285	0.36	0.09	2.31	0.560	0.17	1.2
YY36616		9.4	53.1	<0.002	0.05	0.87	9.7	1	0.9	405	0.46	0.05	5.38	0.293	0.29	2.3
YY36617		9.3	45.2	<0.002	0.07	0.80	8.8	1	0.9	383	0.42	0.05	4.40	0.289	0.27	2.0
YY36618		9.1	51.8	<0.002	0.05	1.05	11.9	<1	1.0	396	0.49	0.05	5.29	0.323	0.29	2.5
YY36619		10.3	55.8	<0.002	0.07	1.46	14.3	1	1.2	328	0.53	0.10	6.31	0.358	0.33	2.7
YY36620		8.0	50.8	<0.002	0.04	3.26	19.4	<1	1.0	366	0.50	<0.05	4.46	0.438	0.25	1.9
YY36621		9.0	49.8	<0.002	0.05	1.14	11.4	1	0.9	384	0.47	<0.05	5.03	0.327	0.26	2.4
YY36622		8.4	47.6	<0.002	0.08	1.11	12.1	<1	0.9	333	0.45	<0.05	4.62	0.317	0.26	2.0
YY36623		9.0	46.9	<0.002	0.06	1.00	12.7	1	0.9	364	0.44	<0.05	4.42	0.316	0.26	2.0
YY36751		7.8	43.0	<0.002	0.06	0.64	25.1	1	0.9	332	0.35	0.12	2.76	0.465	0.23	1.2
YY36752		9.5	43.8	<0.002	0.07	0.81	18.0	1	1.0	322	0.47	0.11	3.34	0.427	0.24	1.6
YY36753		11.3	45.9	<0.002	0.05	1.13	11.1	<1	1.2	364	0.56	<0.05	3.88	0.441	0.29	1.9
YY36754		10.4	49.7	<0.002	0.06	0.86	13.0	1	1.1	360	0.50	0.06	4.02	0.422	0.32	1.8
YY36755		11.2	41.0	<0.002	0.06	1.11	22.3	1	1.1	286	0.49	0.07	3.59	0.524	0.26	1.8
YY36756		10.4	42.1	<0.002	0.06	2.02	27.6	1	1.0	267	0.45	0.07	3.28	0.552	0.25	1.6
YY36757		10.3	43.2	<0.002	0.07	1.09	30.0	1	1.1	283	0.32	0.07	2.51	0.450	0.21	1.0
YY36758		17.8	45.1	<0.002	0.08	1.16	17.9	1	1.0	310	0.43	0.47	3.57	0.432	0.26	1.6
YY36759		6.0	32.8	<0.002	0.12	0.83	16.4	1	0.7	249	0.32	0.10	2.72	0.327	0.21	1.6
YY36760		5.5	36.7	<0.002	0.10	0.92	28.5	1	0.8	277	0.38	0.17	2.46	0.426	0.21	1.2
YY36761		9.3	73.7	<0.002	0.12	1.79	22.2	1	2.6	334	0.57	0.98	6.82	0.412	0.38	3.6
YY36762		8.4	79.0	0.029	0.32	1.44	19.5	1	2.7	312	0.62	0.78	9.65	0.348	0.43	4.1
YY36763		10.7	92.3	<0.002	0.08	10.40	16.9	1	3.4	319	0.76	0.81	11.20	0.343	0.39	4.1
YY36764		10.7	63.3	0.002	0.10	3.75	15.6	1	1.5	343	0.55	0.64	6.94	0.363	0.32	3.2
YY36765		7.6	42.7	<0.002	0.10	0.87	9.5	1	0.8	392	0.40	0.06	4.32	0.305	0.23	2.0
YY36766		9.3	43.0	<0.002	0.11	1.13	11.4	1	1.1	316	0.49	0.08	4.44	0.380	0.28	2.0
YY36767		8.8	44.6	<0.002	0.12	1.69	12.3	1	1.1	290	0.46	0.14	5.36	0.358	0.27	2.3
YY36768		11.0	42.7	<0.002	0.04	1.32	14.4	1	1.5	344	0.63	0.06	4.25	0.586	0.32	2.0
YY36769		9.0	41.3	<0.002	0.08	0.85	10.1	1	1.0	396	0.46	<0.05	4.22	0.371	0.26	1.8
YY36770		9.3	48.2	<0.002	0.06	1.13	13.4	1	1.2	387	0.53	0.07	4.65	0.474	0.28	1.9
YY36771		9.7	41.0	<0.002	0.08	0.77	9.1	1	0.9	396	0.48	<0.05	4.59	0.381	0.25	1.9
YY36772		11.6	45.6	<0.002	0.05	1.17	12.6	1	1.3	371	0.65	0.08	4.68	0.540	0.34	2.3
YY36773		9.3	47.5	<0.002	0.09	0.87	11.5	1	1.0	333	0.53	0.08	4.73	0.394	0.26	1.9
YY36774		9.0	48.4	<0.002	0.09	1.06	14.4	1	1.1	321	0.50	0.06	4.50	0.464	0.28	2.1
YY36775		10.6	44.4	<0.002	0.06	0.99	14.2	<1	1.3	299	0.67	<0.05	4.73	0.555	0.34	2.2
YY36776		8.6	41.4	<0.002	0.08	0.79	11.2	1	1.0	393	0.44	<0.05	4.11	0.389	0.25	1.9
YY36777		9.5	41.5	<0.002	0.09	0.79	10.8	1	0.9	387	0.46	<0.05	4.26	0.351	0.27	2.0
YY36778		10.8	44.7	<0.002	0.07	0.89	12.0	1	1.0	379	0.50	<0.05	4.11	0.430	0.26	1.8
YY36779		9.6	44.7	<0.002	0.09	1.00	12.3	1	1.2	312	0.55	0.06	4.47	0.444	0.29	2.0
YY36780		7.7	47.8	<0.002	0.08	0.80	13.8	1	0.9	353	0.39	<0.05	3.55	0.372	0.23	1.6



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY36614		122	0.6	15.7	119	94.6
YY36615		239	0.5	16.7	64	23.9
YY36616		68	0.7	15.1	85	117.5
YY36617		70	0.7	12.9	65	108.5
YY36618		78	0.7	17.7	84	106.5
YY36619		97	0.9	17.4	92	105.5
YY36620		126	0.9	19.8	100	82.8
YY36621		80	0.6	13.4	91	110.0
YY36622		82	0.8	15.5	80	91.8
YY36623		83	0.6	14.9	75	90.3
YY36751		193	0.7	17.2	98	58.1
YY36752		135	0.7	13.3	94	79.3
YY36753		108	1.1	11.9	79	108.5
YY36754		116	0.7	13.6	82	106.0
YY36755		169	0.7	17.1	98	67.7
YY36756		203	0.9	18.5	106	78.6
YY36757		210	0.7	21.3	99	44.8
YY36758		146	1.0	14.9	131	88.8
YY36759		113	0.7	20.7	87	58.1
YY36760		138	0.7	17.8	101	49.6
YY36761		143	2.1	29.7	106	78.1
YY36762		114	2.8	24.6	91	63.6
YY36763		92	8.4	18.9	79	66.7
YY36764		108	2.2	21.9	92	87.7
YY36765		79	0.6	13.5	71	94.8
YY36766		96	0.6	15.0	97	97.4
YY36767		95	0.8	17.5	105	85.6
YY36768		142	0.8	14.8	104	108.5
YY36769		93	0.5	12.9	112	104.0
YY36770		118	0.7	15.1	97	106.5
YY36771		83	0.6	13.2	94	106.5
YY36772		127	0.8	15.3	90	117.5
YY36773		93	0.6	13.0	88	107.0
YY36774		120	0.7	16.9	92	93.2
YY36775		129	0.8	14.5	106	101.0
YY36776		97	0.6	13.0	93	96.1
YY36777		88	0.5	14.8	90	94.6
YY36778		104	0.7	15.4	86	95.1
YY36779		110	0.8	14.3	96	103.5
YY36780		116	0.5	12.0	87	86.4



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY36781		0.22	0.001	0.06	7.89	5.6	460	1.31	0.08	3.53	0.14	34.5	33.4	535	1.36	47.9
YY36782		0.21	0.002	0.19	9.56	18.9	410	0.94	0.11	1.30	0.23	36.4	31.1	174	2.23	97.3
YY36783		0.16	0.001	0.08	7.39	12.8	600	1.12	0.14	2.46	0.22	38.5	21.8	106	2.09	46.5
YY36784		0.20	0.013	0.15	8.18	29.6	540	1.30	0.13	2.07	0.24	42.1	29.3	91	1.88	89.9
YY36785		0.23	0.051	0.18	8.33	63.5	390	1.01	0.15	1.91	0.19	34.4	27.5	90	2.05	134.0
YY36786		0.15	0.005	0.16	6.59	9.3	700	1.10	0.10	2.32	0.19	28.0	24.4	133	2.72	138.0
YY36787		0.19	0.218	0.54	7.18	7.6	520	1.12	0.13	3.00	0.19	33.8	27.8	117	1.78	107.5
YY36788		0.22	0.009	0.09	7.31	9.1	530	1.06	0.27	3.83	0.15	29.5	35.0	337	1.29	54.3
YY36789		0.20	0.048	0.20	6.85	11.0	580	1.14	0.57	2.59	0.20	37.9	19.9	129	2.09	67.4
YY36790		0.25	0.102	0.15	7.73	8.7	540	1.33	0.19	3.23	0.59	52.6	24.4	243	1.12	45.2
YY36791		0.21	0.015	0.09	7.66	7.2	610	1.59	0.14	2.08	0.15	57.5	18.5	162	1.59	35.4
YY36792		0.20	0.011	0.20	7.50	10.9	650	1.37	0.32	2.07	0.48	53.7	20.0	120	2.19	44.1
YY36793		0.19	0.018	0.20	7.26	8.0	560	1.41	0.14	2.69	0.17	47.7	26.0	313	1.71	44.5
YY36794		0.19	0.002	0.10	7.18	7.0	770	1.13	0.11	2.49	0.14	36.1	17.6	146	1.84	41.9
YY36795		0.15	0.001	0.09	5.90	7.5	620	1.02	0.12	2.56	0.20	38.9	18.2	89	1.58	49.0
YY36796		0.13	0.001	0.10	5.59	7.1	560	0.92	0.11	2.39	0.18	34.0	17.7	81	1.52	49.3
YY36797		0.24	<0.001	0.09	6.78	9.6	600	1.07	0.11	2.88	0.15	35.6	32.5	113	1.49	55.0
YY36798		0.16	0.002	0.18	5.49	9.3	520	1.01	0.11	2.40	0.18	45.3	16.4	74	1.63	67.0
YY36799		0.22	0.002	0.09	7.81	9.9	470	0.84	0.08	3.55	0.12	24.6	31.2	180	1.53	65.9
YY36800		0.18	0.008	0.16	7.51	11.0	670	1.27	0.16	2.66	0.14	43.9	20.3	122	2.07	72.5
YY36801		0.19	0.002	0.11	7.59	10.1	740	1.29	0.17	2.36	0.23	38.8	15.3	70	2.00	47.9
YY36802		0.16	0.001	0.10	7.79	10.5	710	1.25	0.12	2.15	0.23	44.1	18.2	137	2.05	45.1
YY36803		0.13	0.004	0.13	6.63	10.3	650	1.14	0.10	2.60	0.16	37.2	21.3	119	2.47	67.7
YY36804		0.14	<0.001	0.10	7.23	9.3	770	1.18	0.11	2.89	0.13	43.8	22.3	169	2.28	44.5
YY36805		0.27	0.002	0.13	7.66	18.2	560	1.03	0.07	3.46	0.16	42.9	39.4	317	2.82	92.5
YY36806		0.30	0.010	0.15	8.43	11.1	600	1.25	0.10	3.36	0.20	35.0	28.3	140	2.08	114.0
YY36807		0.20	0.005	0.19	7.45	14.3	650	1.19	0.16	2.67	0.32	37.7	23.7	103	2.35	100.5
YY36808		0.25	0.010	0.28	8.22	13.1	470	0.85	0.07	3.72	0.92	23.5	42.1	254	2.41	198.5
YY36809		0.18	0.002	0.13	7.29	11.1	610	1.25	0.11	2.88	0.16	46.2	25.3	196	2.12	52.4
YY36810		0.20	0.002	0.11	7.74	14.2	630	1.28	0.10	2.61	0.19	44.2	28.5	204	3.16	63.5
YY36811		0.24	0.002	0.07	8.50	13.4	530	1.61	0.11	2.09	0.14	51.9	23.3	244	2.81	40.3
YY36812		0.22	0.004	0.12	6.62	10.2	610	1.20	0.10	2.78	0.21	46.1	28.8	188	1.79	65.2
YY36813		0.17	<0.001	0.08	7.38	10.1	640	1.39	0.09	2.56	0.15	44.3	23.6	275	2.78	50.7
YY36814		0.33	0.003	0.09	7.92	16.7	510	1.44	0.07	3.13	0.19	42.8	34.5	460	1.48	54.0
YY36815		0.28	0.004	0.08	7.98	9.5	490	1.66	0.14	2.41	0.13	56.9	31.9	429	2.18	32.6
YY36816		0.42	0.013	0.15	9.90	47.8	430	1.22	0.11	1.00	0.38	40.9	31.8	90	2.25	85.3
YY36817		0.33	0.010	0.15	8.12	28.5	520	1.37	0.15	2.17	0.25	46.0	31.7	81	2.66	76.5
YY36818		0.32	0.019	0.11	8.45	64.9	520	1.32	0.13	2.09	0.19	48.4	27.8	84	2.66	58.3
YY36819		0.25	0.002	0.10	7.14	10.0	640	1.13	0.13	2.20	0.15	38.6	16.8	49	1.84	73.3
YY36820		0.39	0.003	0.13	9.74	17.0	420	0.97	0.12	2.06	0.18	31.6	27.8	56	3.91	122.5



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY36781		6.25	16.40	0.12	1.8	0.064	1.40	16.4	13.0	3.94	1180	1.09	1.47	6.4	158.5	590
YY36782		6.83	17.70	0.14	1.2	0.070	1.36	20.0	24.9	0.92	1110	2.62	1.37	4.5	61.0	710
YY36783		4.78	16.30	0.12	2.4	0.047	1.14	18.8	19.0	1.28	985	1.75	1.81	8.8	41.4	1210
YY36784		6.13	17.30	0.14	2.0	0.059	1.21	20.5	18.5	1.29	1240	1.52	2.04	5.4	36.4	850
YY36785		6.30	16.70	0.14	1.5	0.065	1.29	19.1	17.3	1.32	1060	1.78	1.26	4.6	51.2	1030
YY36786		4.87	14.80	0.13	1.4	0.052	1.41	15.8	14.3	1.62	1080	1.58	0.96	5.2	57.7	1360
YY36787		5.07	16.20	0.13	1.6	0.053	1.04	16.0	15.8	2.16	1210	1.49	2.01	7.2	49.5	960
YY36788		5.35	14.10	0.12	1.7	0.056	1.05	14.7	15.1	3.08	1220	1.65	1.81	6.4	139.0	840
YY36789		5.05	16.40	0.13	2.3	0.059	1.14	18.6	17.0	1.61	1060	3.11	1.71	9.4	43.6	1100
YY36790		5.24	16.15	0.14	2.2	0.067	1.45	26.1	12.7	2.20	1080	1.75	2.09	8.8	81.4	760
YY36791		4.70	17.80	0.13	2.4	0.056	1.62	21.6	16.7	1.55	951	2.86	2.01	10.6	51.3	750
YY36792		4.76	17.35	0.13	2.5	0.054	1.37	21.9	20.5	1.37	964	2.55	1.77	10.0	46.8	1280
YY36793		4.91	16.85	0.14	2.2	0.051	1.33	23.8	16.9	2.44	955	1.91	1.66	8.1	108.0	970
YY36794		4.04	15.00	0.12	2.1	0.044	1.45	19.6	14.3	1.45	881	1.32	1.62	7.3	50.2	980
YY36795		3.83	13.35	0.13	2.0	0.039	1.07	20.1	14.2	1.28	893	1.50	1.53	6.9	34.6	1260
YY36796		3.63	12.50	0.13	2.1	0.041	1.02	17.4	13.8	1.13	921	1.69	1.45	6.4	36.8	1210
YY36797		5.06	16.35	0.13	2.2	0.046	1.15	18.1	16.0	1.69	1560	1.76	1.79	7.1	48.4	1350
YY36798		3.60	12.15	0.12	1.8	0.039	0.91	24.4	14.8	1.11	702	1.80	1.30	6.1	35.9	1690
YY36799		6.28	15.65	0.11	1.4	0.050	0.89	11.6	15.6	2.83	1040	1.46	1.80	5.7	73.0	990
YY36800		4.59	17.55	0.16	2.3	0.050	1.33	27.2	19.0	1.45	805	1.61	1.83	8.1	46.7	1270
YY36801		3.84	17.20	0.16	2.7	0.038	1.49	19.7	21.0	1.12	729	1.97	2.22	9.4	26.4	980
YY36802		4.29	16.95	0.14	2.4	0.042	1.56	20.8	18.4	1.34	828	1.45	1.89	8.7	53.2	1040
YY36803		4.27	14.55	0.14	2.1	0.038	1.16	23.4	15.5	1.40	857	1.62	1.49	6.2	56.9	1290
YY36804		4.59	16.75	0.15	2.4	0.047	1.33	25.8	17.5	1.78	851	1.41	1.71	8.3	68.5	1110
YY36805		7.06	17.45	0.13	2.0	0.058	0.97	22.7	19.8	3.65	1190	1.56	1.64	9.6	163.0	1110
YY36806		6.15	17.85	0.13	1.8	0.060	1.00	16.9	16.9	2.22	1060	2.38	2.31	7.6	55.2	960
YY36807		5.05	16.85	0.15	2.5	0.053	1.08	17.6	21.4	1.55	807	2.39	1.90	9.4	46.3	950
YY36808		7.58	17.25	0.13	1.3	0.054	0.80	11.9	15.7	3.63	1220	2.10	1.92	4.1	102.5	900
YY36809		4.97	16.45	0.14	2.5	0.050	1.18	25.9	18.1	2.19	893	1.77	1.72	7.8	88.0	1220
YY36810		5.51	18.15	0.15	2.2	0.057	1.32	26.8	19.4	2.29	1060	1.50	1.68	8.1	91.8	1170
YY36811		5.33	18.45	0.15	2.2	0.063	1.60	25.9	14.2	1.50	929	1.44	1.75	10.8	75.3	1050
YY36812		5.51	15.30	0.14	2.1	0.056	1.01	25.1	17.1	2.10	1000	1.64	1.44	7.3	72.3	1310
YY36813		5.03	16.25	0.15	2.0	0.058	1.33	25.3	13.8	1.83	843	1.35	1.36	7.7	85.8	990
YY36814		6.25	17.90	0.15	2.3	0.067	1.29	22.8	12.2	3.42	1160	1.55	1.93	10.4	170.0	850
YY36815		6.36	17.90	0.16	3.1	0.077	1.24	23.7	15.9	2.93	1340	2.25	1.47	7.7	135.0	980
YY36816		7.08	19.50	0.15	1.4	0.075	1.97	19.2	18.8	1.02	1390	4.00	1.20	5.7	37.4	860
YY36817		6.37	17.00	0.17	2.3	0.069	0.98	21.3	21.6	1.35	1380	2.10	1.53	8.1	37.0	1610
YY36818		6.29	18.00	0.14	2.4	0.073	0.92	22.4	23.9	1.31	1320	1.81	1.55	7.9	36.6	1740
YY36819		3.76	15.40	0.14	2.8	0.038	1.38	19.4	20.3	0.84	809	1.87	1.90	7.2	23.2	1170
YY36820		6.62	17.35	0.14	1.6	0.078	1.05	15.1	22.7	1.22	1080	1.64	1.33	4.5	32.2	950



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
YY36781		7.2	44.0	<0.002	0.03	0.87	27.1	1	1.0	303	0.42	<0.05	3.53	0.461	0.25	1.4
YY36782		17.6	41.0	<0.002	0.10	8.07	30.0	1	0.8	234	0.30	0.12	2.31	0.496	0.20	1.1
YY36783		9.5	37.0	<0.002	0.08	1.18	16.3	1	1.1	377	0.51	<0.05	3.61	0.505	0.27	1.8
YY36784		10.8	31.5	<0.002	0.08	1.65	26.4	1	0.8	390	0.34	0.13	3.06	0.438	0.20	1.3
YY36785		9.2	44.2	<0.002	0.11	2.07	31.0	1	0.7	194.0	0.28	0.08	2.51	0.461	0.20	1.2
YY36786		7.8	52.6	<0.002	0.11	1.78	27.2	1	0.8	303	0.31	<0.05	2.49	0.398	0.24	1.1
YY36787		7.6	37.6	<0.002	0.08	0.92	22.2	1	0.9	315	0.44	0.61	2.94	0.480	0.23	1.3
YY36788		5.6	40.2	<0.002	0.07	2.10	24.4	1	1.1	321	0.40	0.20	2.66	0.444	0.22	1.3
YY36789		10.4	47.8	<0.002	0.11	0.92	15.6	1	1.2	340	0.56	0.33	4.68	0.551	0.30	2.1
YY36790		20.5	42.7	<0.002	0.04	1.43	22.4	1	1.5	296	0.59	0.21	5.59	0.483	0.26	2.0
YY36791		8.8	57.2	<0.002	0.05	0.82	15.5	1	1.4	288	0.70	0.08	6.69	0.441	0.27	2.1
YY36792		13.9	59.3	<0.002	0.07	1.23	15.7	1	1.3	301	0.64	0.13	5.50	0.500	0.30	2.1
YY36793		9.0	49.6	<0.002	0.06	1.11	18.8	1	1.1	321	0.51	0.07	4.98	0.428	0.26	1.9
YY36794		7.1	48.1	<0.002	0.08	0.75	15.9	1	0.9	317	0.45	<0.05	4.19	0.408	0.25	2.2
YY36795		7.2	35.1	<0.002	0.12	0.93	13.5	1	0.9	301	0.41	<0.05	3.71	0.419	0.23	1.9
YY36796		6.9	34.3	<0.002	0.12	0.91	12.2	1	0.8	284	0.40	<0.05	3.61	0.386	0.20	1.7
YY36797		7.3	36.2	<0.002	0.08	0.95	17.8	1	0.9	344	0.44	<0.05	3.69	0.504	0.23	1.7
YY36798		6.9	33.8	<0.002	0.15	1.01	12.3	1	0.8	265	0.39	<0.05	3.74	0.366	0.25	2.1
YY36799		5.4	24.6	<0.002	0.04	0.91	22.7	1	0.8	301	0.34	<0.05	2.44	0.521	0.19	1.2
YY36800		9.7	44.4	<0.002	0.07	0.95	16.2	1	1.1	378	0.49	<0.05	5.06	0.455	0.29	2.3
YY36801		10.9	44.7	<0.002	0.05	0.93	10.6	1	1.1	422	0.56	0.05	4.30	0.469	0.30	2.1
YY36802		9.1	50.5	<0.002	0.05	1.20	14.3	1	1.1	369	0.54	<0.05	5.09	0.430	0.25	2.1
YY36803		6.6	41.4	<0.002	0.10	1.49	17.0	1	0.8	328	0.38	<0.05	3.50	0.388	0.21	1.9
YY36804		7.6	46.4	<0.002	0.09	1.54	16.5	1	1.0	360	0.49	<0.05	4.41	0.469	0.24	2.1
YY36805		6.4	31.3	<0.002	0.03	3.49	29.7	1	1.0	317	0.52	<0.05	3.29	0.666	0.15	1.8
YY36806		8.7	32.7	<0.002	0.03	1.35	22.9	1	1.0	373	0.47	0.05	3.09	0.541	0.21	1.5
YY36807		12.9	39.7	<0.002	0.06	1.46	16.4	<1	1.1	345	0.57	<0.05	3.53	0.530	0.28	1.7
YY36808		62.5	15.4	<0.002	0.04	1.17	30.1	<1	0.7	370	0.23	0.06	1.62	0.488	0.15	1.1
YY36809		8.2	39.2	<0.002	0.07	1.07	18.3	<1	0.9	388	0.49	<0.05	4.95	0.481	0.24	2.4
YY36810		7.8	46.3	<0.002	0.06	1.74	24.5	1	1.0	316	0.50	<0.05	4.58	0.468	0.26	2.4
YY36811		8.6	67.9	<0.002	0.06	1.81	22.5	1	1.3	310	0.66	<0.05	8.19	0.512	0.29	2.5
YY36812		7.5	40.3	<0.002	0.09	1.39	21.5	<1	0.9	282	0.44	<0.05	4.30	0.522	0.21	2.0
YY36813		7.4	50.9	<0.002	0.08	1.12	24.5	1	1.0	306	0.48	<0.05	4.52	0.428	0.25	2.7
YY36814		7.1	35.6	<0.002	0.03	0.86	27.8	<1	1.1	409	0.60	<0.05	4.78	0.548	0.21	1.9
YY36815		9.7	74.8	<0.002	0.04	1.51	26.3	<1	1.2	251	0.50	<0.05	4.57	0.521	0.34	1.8
YY36816		25.4	63.0	<0.002	0.11	3.10	33.8	1	0.9	162.0	0.36	0.09	2.48	0.557	0.28	1.9
YY36817		10.9	35.5	<0.002	0.10	1.80	24.8	1	1.1	280	0.50	0.11	3.71	0.539	0.27	1.7
YY36818		11.4	34.9	<0.002	0.11	2.07	25.8	1	1.1	299	0.48	0.09	3.83	0.539	0.25	1.7
YY36819		9.6	38.2	<0.002	0.10	0.87	11.8	1	0.8	362	0.47	<0.05	4.23	0.360	0.27	2.0
YY36820		11.1	34.0	<0.002	0.07	0.82	30.3	1	0.7	312	0.29	0.08	2.82	0.437	0.20	1.3



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY36781		189	0.5	16.5	108	60.5
YY36782		221	0.9	26.1	99	40.8
YY36783		136	0.6	15.7	89	100.0
YY36784		171	0.9	26.7	119	80.5
YY36785		215	1.3	25.2	101	66.4
YY36786		168	0.9	18.6	95	53.0
YY36787		166	0.9	17.8	93	63.1
YY36788		151	1.4	16.8	98	65.9
YY36789		150	1.2	14.4	98	100.5
YY36790		149	1.3	20.0	163	73.5
YY36791		116	0.8	13.0	107	87.4
YY36792		131	0.8	14.5	124	96.6
YY36793		132	0.6	17.5	99	85.7
YY36794		110	0.7	16.1	92	79.2
YY36795		114	0.6	16.5	91	83.9
YY36796		108	0.6	14.2	90	80.3
YY36797		176	0.6	15.9	93	85.8
YY36798		103	0.6	20.0	74	73.8
YY36799		206	0.5	14.9	101	49.7
YY36800		135	0.6	21.0	97	90.7
YY36801		106	0.7	12.8	96	112.5
YY36802		119	0.6	14.7	103	93.7
YY36803		126	0.5	19.2	81	90.1
YY36804		128	0.7	19.4	90	89.8
YY36805		214	0.8	23.6	101	76.4
YY36806		193	0.6	17.6	111	66.6
YY36807		150	0.7	14.2	114	92.2
YY36808		240	0.5	18.5	196	42.8
YY36809		137	0.7	21.2	97	93.5
YY36810		150	0.6	22.6	112	82.3
YY36811		154	0.6	21.3	92	84.9
YY36812		164	0.7	20.4	99	75.3
YY36813		139	0.6	21.4	92	70.4
YY36814		176	0.6	22.6	114	79.4
YY36815		186	1.1	17.9	118	82.2
YY36816		230	1.0	22.7	125	45.9
YY36817		182	0.8	22.8	110	85.9
YY36818		198	1.0	21.4	101	92.3
YY36819		92	1.0	13.9	86	111.5
YY36820		215	0.5	21.5	87	56.0



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
YY36821		0.32	0.003	0.11	9.39	23.0	490	1.02	0.12	2.30	0.22	33.6	27.0	68	2.57	98.7
YY36822		0.26	0.001	0.10	7.56	17.3	650	1.31	0.15	2.23	0.24	42.1	18.7	68	2.09	41.2
YY36823		0.35	0.007	0.12	9.28	86.4	500	0.96	0.14	1.43	0.20	39.0	27.2	66	2.26	79.2
YY36824		0.30	0.003	0.12	8.05	62.9	650	1.27	0.13	2.32	0.31	42.8	22.8	75	1.91	59.7
YY36825		0.43	0.002	0.11	10.70	13.9	470	1.13	0.15	2.07	0.18	34.8	18.3	51	3.99	60.3
YY36826		0.24	0.001	0.11	7.23	9.1	710	1.33	0.14	2.25	0.32	41.4	14.7	52	1.86	41.7
YY36827		0.37	0.002	0.08	8.24	20.5	610	1.39	0.15	1.78	0.27	49.3	23.6	80	2.31	51.7
YY36828		0.25	0.001	0.11	7.11	10.4	650	1.27	0.15	2.42	0.30	41.6	17.6	68	2.07	39.2
YY36829		0.28	0.002	0.10	7.61	12.6	710	1.28	0.18	1.93	0.23	45.8	18.2	78	2.54	52.5
YY36830		0.26	0.001	0.11	7.52	13.6	700	1.35	0.16	2.27	0.21	45.2	20.2	60	2.08	42.1
YY36831		0.30	0.002	0.12	7.16	16.2	590	1.19	0.13	2.52	0.26	51.6	22.4	58	2.12	47.1
YY36832		0.35	0.003	0.13	8.10	21.4	630	1.43	0.17	2.34	0.31	59.0	32.4	97	2.58	51.1
YY36833		0.33	0.004	0.20	8.67	21.5	640	1.41	0.15	2.37	0.29	51.2	28.6	90	2.96	77.2
YY36834		0.27	<0.001	0.08	7.21	16.3	550	1.21	0.18	1.88	0.18	42.2	22.1	87	2.77	45.6
YY36835		0.41	0.004	0.09	10.75	20.7	380	0.99	0.12	1.13	0.21	32.9	31.2	31	3.37	114.5
YY36836		0.18	0.003	0.09	6.14	7.1	590	1.11	0.13	2.18	0.10	37.7	11.3	64	2.01	39.0
YY36837		0.31	0.012	0.10	7.71	8.5	690	1.26	0.14	2.42	0.09	39.3	19.7	134	1.50	55.2
YY36838		0.25	0.005	0.12	7.16	6.8	640	1.21	0.14	2.48	0.20	48.1	17.4	95	1.75	51.4
YY36839		0.17	0.004	0.08	5.62	6.0	540	1.13	0.10	2.07	0.09	42.2	14.7	60	1.67	54.0
YY36840		0.33	0.012	0.06	8.06	6.5	550	1.96	0.25	0.82	0.09	102.5	14.8	40	1.12	18.6
YY36841		0.23	0.004	0.17	7.63	11.5	740	1.42	0.18	2.05	0.30	50.0	15.5	83	2.25	62.9
YY36842		0.21	0.003	0.09	7.33	10.8	570	1.36	0.14	2.52	0.19	49.1	20.6	116	1.88	42.5
YY36843		0.20	0.002	0.06	7.13	8.1	630	1.49	0.15	2.42	0.20	43.4	15.8	67	1.43	41.9
YY36844		0.25	0.002	0.08	6.99	6.2	730	1.37	0.15	2.09	0.10	37.1	10.2	47	1.63	35.0
YY36845		0.29	0.001	0.06	7.58	7.5	600	1.51	0.10	3.15	0.16	45.5	30.9	327	2.15	48.1
YY36846		0.36	0.001	0.08	7.68	8.6	550	1.52	0.10	3.55	0.16	49.9	32.0	459	1.59	44.4
YY36847		0.34	0.001	0.06	7.71	12.9	600	1.38	0.10	3.19	0.17	53.6	25.8	301	1.46	45.0
YY36848		0.25	0.001	0.08	6.61	8.3	670	1.34	0.16	2.52	0.23	43.1	16.9	70	1.77	37.6
YY36849		0.24	0.001	0.10	6.64	6.9	700	1.39	0.15	2.19	0.25	37.4	11.0	65	1.72	44.0
YY36850		0.22	0.002	0.08	7.37	8.7	720	1.42	0.14	2.33	0.21	43.4	17.2	128	1.78	39.0
YY36851		0.32	0.001	0.11	7.28	10.3	670	1.63	0.14	2.21	0.15	55.3	20.9	143	2.03	56.7
YY36852		0.26	0.002	0.13	6.88	6.7	690	1.44	0.13	2.18	0.13	46.4	16.6	113	1.84	46.6
YY36853		0.29	0.002	0.11	7.41	10.0	710	1.58	0.11	2.13	0.14	40.8	17.6	170	2.02	44.2
YY36854		0.36	0.006	0.15	7.37	8.8	660	1.48	0.14	2.22	0.21	39.2	21.4	95	1.79	101.0
YY36855		0.33	0.002	0.10	6.69	11.4	630	1.28	0.18	2.15	0.20	38.9	16.7	62	1.72	58.1
YY36856		0.26	0.003	0.17	5.86	17.6	550	1.19	0.13	2.69	0.16	34.3	15.1	65	1.67	139.5
YY36857		0.24	0.005	0.17	5.82	7.3	560	1.17	0.14	2.63	0.26	36.2	14.0	52	1.52	119.0
YY36858		0.31	0.003	0.14	7.02	9.5	680	1.42	0.15	2.39	0.23	45.1	20.0	71	1.98	132.0
YY36859		0.34	0.003	0.11	7.06	8.8	660	1.38	0.15	2.48	0.19	40.7	22.3	60	1.82	94.6
YY36860		0.25	0.003	0.12	7.08	9.9	710	1.43	0.17	2.37	0.16	42.2	16.6	65	1.99	64.1



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
YY36821		6.24	18.05	0.14	1.7	0.074	0.94	15.7	24.4	1.27	1040	1.49	1.41	5.5	35.0	1010
YY36822		4.31	16.70	0.15	2.9	0.050	1.30	19.6	21.0	1.23	803	2.02	1.92	8.4	30.4	1290
YY36823		6.83	16.90	0.15	1.8	0.076	1.30	19.4	25.1	0.94	1620	3.41	1.18	5.0	31.1	830
YY36824		4.55	18.00	0.15	2.8	0.047	1.30	19.9	20.2	1.25	972	2.25	2.18	7.9	34.6	990
YY36825		4.28	19.70	0.15	1.6	0.076	0.94	16.8	27.5	0.94	705	1.60	1.53	6.7	24.8	790
YY36826		3.42	16.00	0.16	2.9	0.037	1.49	20.2	20.5	0.99	716	1.84	2.07	7.4	25.3	1080
YY36827		5.65	17.10	0.16	2.6	0.065	1.11	20.0	22.3	1.22	1300	2.85	1.67	8.8	34.1	1320
YY36828		3.99	15.85	0.16	2.8	0.045	1.19	19.1	21.6	1.16	803	1.95	1.87	8.6	30.5	1210
YY36829		4.44	17.45	0.19	3.2	0.051	1.36	21.2	23.7	1.09	854	2.68	1.94	9.8	31.8	930
YY36830		3.99	17.20	0.15	3.1	0.042	1.42	20.0	22.1	1.04	800	1.99	2.06	8.4	28.2	1010
YY36831		4.23	15.40	0.17	2.7	0.053	1.15	22.8	20.0	1.09	972	1.72	1.66	7.5	28.6	1310
YY36832		5.70	17.45	0.15	2.6	0.064	1.15	22.7	23.3	1.48	1410	2.61	1.74	9.9	45.9	1370
YY36833		5.93	17.65	0.16	2.4	0.071	1.24	23.7	23.8	1.53	1140	2.47	1.66	9.2	44.8	870
YY36834		5.20	15.80	0.14	2.4	0.063	1.07	18.5	22.8	1.20	1200	2.64	1.45	9.4	34.3	1710
YY36835		6.35	19.65	0.13	0.9	0.100	0.80	14.3	34.2	1.11	1180	1.39	1.04	4.7	22.3	590
YY36836		3.15	14.00	0.14	2.5	0.036	1.10	18.9	15.6	0.94	462	1.73	1.69	7.5	24.7	1070
YY36837		4.32	16.25	0.15	2.1	0.054	1.53	19.9	17.3	1.72	882	1.54	2.16	7.8	50.2	730
YY36838		4.31	16.70	0.17	2.8	0.043	1.37	23.8	17.9	1.31	873	2.89	2.08	9.0	32.5	850
YY36839		3.06	11.40	0.14	2.1	0.034	0.90	20.4	11.2	0.73	853	1.80	1.46	6.4	21.5	1260
YY36840		6.69	21.3	0.19	1.7	0.094	1.86	49.8	12.3	0.74	969	2.58	1.76	20.2	20.5	620
YY36841		4.27	18.35	0.16	3.1	0.052	1.39	25.4	23.2	1.00	729	2.13	2.09	10.5	32.4	800
YY36842		4.74	16.60	0.15	2.5	0.060	1.29	21.8	19.8	1.66	898	2.01	1.88	10.1	48.0	1030
YY36843		3.62	16.00	0.16	2.7	0.044	1.27	21.1	21.2	1.22	661	1.76	2.03	8.1	33.1	1030
YY36844		2.91	16.25	0.16	2.9	0.034	1.57	19.0	21.6	0.83	407	1.68	2.19	7.4	21.1	760
YY36845		5.46	16.30	0.18	2.1	0.053	1.31	20.5	19.4	2.90	1090	1.17	1.62	7.6	120.0	690
YY36846		5.59	16.85	0.15	2.3	0.059	1.33	23.4	19.2	3.43	1100	1.21	1.79	8.1	140.5	820
YY36847		5.33	16.25	0.17	2.3	0.055	1.34	20.8	18.5	2.57	923	1.25	2.06	9.6	91.0	960
YY36848		3.67	14.70	0.15	2.8	0.046	1.20	21.0	19.9	1.21	734	1.71	1.83	7.8	33.1	1190
YY36849		3.03	15.40	0.17	2.8	0.035	1.46	19.9	20.9	0.92	501	1.57	2.00	7.5	29.2	940
YY36850		3.83	16.75	0.16	2.9	0.037	1.51	22.1	21.9	1.38	741	1.71	2.07	8.5	49.2	830
YY36851		4.19	16.45	0.17	2.7	0.046	1.36	32.8	22.8	1.51	841	1.70	1.79	8.2	59.8	1130
YY36852		3.83	15.60	0.17	2.6	0.038	1.47	28.2	18.6	1.17	685	1.62	1.81	7.0	43.5	1090
YY36853		3.91	16.40	0.16	2.6	0.049	1.54	21.6	19.7	1.36	805	1.56	1.79	8.6	57.0	1090
YY36854		4.31	16.35	0.16	2.7	0.041	1.46	19.5	19.4	1.14	930	1.71	1.90	6.2	39.4	1130
YY36855		3.60	14.20	0.14	2.4	0.042	1.17	19.0	19.1	1.03	816	1.85	1.70	7.2	27.0	1200
YY36856		3.45	12.55	0.17	2.2	0.042	0.99	20.3	16.1	1.07	716	1.56	1.45	6.5	30.8	1340
YY36857		3.10	12.40	0.17	2.2	0.035	1.12	18.8	16.9	0.93	699	1.71	1.51	5.8	26.6	1260
YY36858		3.99	15.00	0.15	2.5	0.050	1.19	22.5	21.9	1.11	828	1.60	1.72	7.9	34.1	1240
YY36859		4.33	15.40	0.16	2.4	0.047	1.25	19.5	24.1	1.25	850	1.78	1.92	10.2	28.1	1030
YY36860		3.76	15.55	0.18	2.8	0.038	1.31	21.6	20.5	0.99	849	1.81	1.99	8.8	24.8	1020



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
YY36821		8.8	32.1	<0.002	0.09	1.90	28.1	1	0.8	350	0.33	0.09	2.87	0.506	0.21	1.3
YY36822		10.3	41.4	<0.002	0.09	1.06	13.9	<1	1.0	384	0.51	0.06	4.15	0.468	0.27	1.9
YY36823		11.3	43.4	<0.002	0.09	1.75	29.2	1	0.9	541	0.32	0.15	2.99	0.467	0.23	1.7
YY36824		10.0	40.2	<0.002	0.06	2.24	15.6	1	1.0	413	0.52	0.05	4.19	0.443	0.24	1.9
YY36825		10.5	30.3	<0.002	0.05	0.82	25.6	1	1.0	325	0.45	0.07	3.39	0.534	0.23	1.3
YY36826		9.7	43.2	<0.002	0.09	0.81	10.8	1	0.9	405	0.48	<0.05	4.37	0.369	0.27	2.1
YY36827		12.3	43.3	0.002	0.07	1.34	20.9	1	1.1	270	0.55	0.07	4.38	0.523	0.28	2.6
YY36828		10.3	40.0	<0.002	0.09	1.02	12.8	1	1.0	360	0.55	<0.05	4.38	0.455	0.29	2.0
YY36829		11.6	45.9	<0.002	0.06	1.17	13.5	<1	1.2	347	0.62	<0.05	4.73	0.518	0.33	2.2
YY36830		11.1	45.3	<0.002	0.08	1.10	11.7	1	1.0	393	0.54	0.05	4.58	0.445	0.30	2.1
YY36831		10.7	37.3	<0.002	0.10	1.09	14.8	<1	0.9	353	0.47	<0.05	4.08	0.440	0.25	1.9
YY36832		15.8	43.6	<0.002	0.07	1.33	19.6	1	1.2	305	0.62	0.06	4.72	0.573	0.31	2.4
YY36833		13.3	43.7	<0.002	0.05	1.28	24.0	1	1.2	317	0.55	0.09	4.33	0.568	0.33	2.3
YY36834		12.2	47.9	<0.002	0.10	1.29	17.6	1	1.1	253	0.57	0.08	3.74	0.546	0.26	1.9
YY36835		8.8	19.3	<0.002	0.10	1.01	36.2	1	0.9	296	0.29	0.09	1.91	0.599	0.14	0.9
YY36836		7.9	41.6	<0.002	0.10	0.83	11.4	<1	0.9	327	0.48	<0.05	4.04	0.398	0.24	2.0
YY36837		8.1	42.4	<0.002	0.03	0.97	17.6	1	1.0	348	0.51	0.09	4.36	0.413	0.26	1.5
YY36838		7.9	49.0	<0.002	0.06	0.83	14.6	1	1.0	396	0.59	0.08	4.63	0.505	0.27	2.1
YY36839		7.4	33.2	<0.002	0.11	0.91	10.0	1	0.7	283	0.40	<0.05	3.48	0.368	0.23	1.8
YY36840		7.3	55.6	<0.002	0.05	0.84	24.0	1	2.0	232	1.19	0.26	11.70	0.522	0.31	3.5
YY36841		11.5	46.3	<0.002	0.03	1.11	12.4	1	1.2	369	0.63	0.05	4.83	0.527	0.33	2.3
YY36842		9.5	46.6	<0.002	0.07	1.14	17.6	1	1.2	329	0.62	0.09	5.56	0.493	0.27	1.9
YY36843		9.1	35.4	<0.002	0.05	0.95	11.8	<1	1.0	389	0.52	<0.05	4.37	0.427	0.25	2.1
YY36844		9.0	45.6	<0.002	0.05	0.73	9.0	1	0.9	420	0.47	<0.05	4.68	0.345	0.28	2.1
YY36845		8.7	53.0	<0.002	0.04	0.72	23.6	1	1.0	345	0.45	<0.05	4.69	0.446	0.24	2.0
YY36846		7.4	41.5	<0.002	0.03	0.73	24.0	1	1.0	353	0.49	<0.05	4.30	0.477	0.24	1.8
YY36847		7.4	41.8	<0.002	0.03	0.95	21.3	<1	1.1	389	0.59	<0.05	5.08	0.542	0.22	1.9
YY36848		8.7	39.9	<0.002	0.09	0.90	12.2	1	1.0	368	0.50	<0.05	4.62	0.409	0.27	2.1
YY36849		8.7	43.5	<0.002	0.06	0.74	9.2	1	0.8	384	0.49	<0.05	4.42	0.360	0.26	2.1
YY36850		9.3	46.9	<0.002	0.04	0.81	12.3	1	0.9	407	0.54	<0.05	4.62	0.424	0.29	2.1
YY36851		9.1	47.8	<0.002	0.06	0.84	15.9	1	1.0	346	0.52	<0.05	5.85	0.421	0.29	2.5
YY36852		7.7	46.9	<0.002	0.08	0.77	13.7	1	0.8	363	0.46	<0.05	4.93	0.385	0.25	2.4
YY36853		8.6	53.5	<0.002	0.07	0.97	16.2	1	1.0	340	0.56	<0.05	5.24	0.401	0.28	2.2
YY36854		8.1	49.6	<0.002	0.06	0.91	15.4	1	0.9	374	0.40	<0.05	4.07	0.369	0.27	1.8
YY36855		8.6	39.0	<0.002	0.10	0.88	11.6	1	0.9	344	0.46	0.05	4.13	0.387	0.29	1.9
YY36856		7.1	34.3	<0.002	0.15	0.89	12.4	1	0.8	297	0.41	<0.05	3.61	0.361	0.24	1.7
YY36857		7.0	35.7	<0.002	0.12	0.73	11.0	1	0.7	308	0.38	<0.05	3.57	0.315	0.24	1.6
YY36858		8.7	43.2	<0.002	0.08	0.86	14.7	1	1.0	331	0.50	<0.05	4.36	0.429	0.29	2.1
YY36859		8.5	46.0	<0.002	0.07	0.79	12.7	1	1.0	395	0.60	0.05	3.76	0.572	0.28	1.8
YY36860		10.1	42.9	<0.002	0.06	0.86	11.7	1	1.0	383	0.55	<0.05	4.39	0.445	0.31	2.1



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V	W	Y	Zn	Zr
		ppm 1	ppm 0.1	ppm 0.1	ppm 2	ppm 0.5
YY36821		194	0.5	19.6	100	60.9
YY36822		116	0.6	14.9	108	108.5
YY36823		166	0.5	27.4	105	59.4
YY36824		123	0.6	15.2	101	110.0
YY36825		171	0.7	20.0	88	59.1
YY36826		89	0.6	13.1	102	116.5
YY36827		152	0.6	19.2	105	109.5
YY36828		110	0.6	14.1	108	109.5
YY36829		127	0.7	15.3	104	124.0
YY36830		107	0.7	13.7	99	122.5
YY36831		117	0.6	20.0	88	96.1
YY36832		153	0.8	21.6	122	103.5
YY36833		161	0.7	30.0	104	95.7
YY36834		143	0.7	17.0	87	92.4
YY36835		231	0.7	23.2	87	29.7
YY36836		92	0.6	13.2	60	98.6
YY36837		120	0.7	14.9	83	73.0
YY36838		123	0.6	17.5	85	108.5
YY36839		85	0.5	13.2	50	83.4
YY36840		85	1.6	29.5	66	50.7
YY36841		124	0.8	16.2	94	123.0
YY36842		120	0.7	20.0	99	95.0
YY36843		98	0.6	15.3	96	108.0
YY36844		77	0.6	11.6	64	119.0
YY36845		153	0.5	17.9	112	78.4
YY36846		163	0.5	19.0	109	86.6
YY36847		158	0.5	16.2	92	95.0
YY36848		100	0.8	17.6	116	103.0
YY36849		82	0.6	12.5	87	107.5
YY36850		105	0.6	14.5	93	110.5
YY36851		115	0.6	20.7	91	104.0
YY36852		102	0.7	18.9	87	103.0
YY36853		105	0.7	15.6	106	104.0
YY36854		121	0.8	16.0	87	112.0
YY36855		98	0.6	13.3	84	97.7
YY36856		98	0.7	19.6	86	86.2
YY36857		82	0.5	16.2	76	104.5
YY36858		110	0.7	17.5	84	101.5
YY36859		116	0.6	14.2	80	94.1
YY36860		104	0.6	14.5	78	115.5



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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
YY36861		0.29	0.001	0.12	6.85	9.6	670	1.28	0.22	2.44	0.30	38.4	19.2	101	1.80	105.0
YY36862		0.30	0.006	0.15	7.50	25.2	550	1.23	0.16	2.20	0.29	42.1	23.5	61	2.23	83.8
YY36863		0.26	0.005	0.17	7.08	17.2	570	1.23	0.20	2.29	0.26	48.8	25.1	61	2.17	95.5
YY36864		0.29	0.009	0.17	6.89	15.7	610	1.42	0.23	2.37	0.24	51.7	22.0	52	2.35	94.4



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		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
YY36861		3.89	15.00	0.17	2.5	0.046	1.26	18.7	19.8	1.26	895	1.65	1.81	7.4	40.8	960
YY36862		4.79	15.75	0.18	2.5	0.060	1.36	22.1	19.3	1.10	979	2.56	1.51	6.3	31.3	1070
YY36863		4.24	14.90	0.20	2.4	0.056	1.29	27.1	19.0	1.06	920	2.25	1.49	6.1	32.4	1110
YY36864		4.13	15.25	0.18	2.4	0.054	1.32	26.8	20.7	0.98	856	1.81	1.63	6.5	28.3	1170



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
YY36861		7.9	42.7	<0.002	0.07	0.92	14.5	1	0.9	350	0.48	<0.05	4.05	0.409	0.28	1.9
YY36862		10.6	46.4	<0.002	0.09	1.64	19.8	1	0.9	298	0.41	0.11	3.83	0.407	0.26	2.0
YY36863		12.0	42.2	<0.002	0.10	1.25	18.6	1	0.8	301	0.40	0.15	4.01	0.369	0.26	2.0
YY36864		9.6	43.0	<0.002	0.09	1.19	17.0	1	0.9	322	0.41	0.14	4.14	0.351	0.27	1.9



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 Account: MTT

CERTIFICATE OF ANALYSIS WH21172481

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
YY36861		107	0.8	14.5	101	114.0
YY36862		124	0.6	25.6	101	90.7
YY36863		116	0.6	30.5	90	90.9
YY36864		109	0.9	26.7	86	94.7



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 14-AUG-2021
Account: MTT

CERTIFICATE OF ANALYSIS WH21172481

CERTIFICATE COMMENTS	
	ANALYTICAL COMMENTS
Applies to Method:	NSS is non-sufficient sample. ALL METHODS
Applies to Method:	REEs may not be totally soluble in this method. ME-MS61
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. LOG-22 SCR-41 WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au-ICP21 ME-MS61



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 Finalized Date: 3-AUG-2021
 Account: MTT

CERTIFICATE WH21172484

Project: KOI

This report is for 5 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 5-JUL-2021.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	MATT DUMALA SCOTT NEWMAN	STEVE ISRAEL LIZ SMITH
--------------------------------	-----------------------------	---------------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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: 
 Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS WH21172484

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W795463		0.42	<0.001	<0.01	0.74	0.7	40	0.11	<0.01	2.80	0.03	5.33	1.6	36	0.07	0.7
W795464		0.38	0.002	0.13	8.42	4.3	300	0.70	0.04	5.37	0.05	22.6	30.8	48	0.16	224
W795465		0.29	0.001	0.06	7.90	9.1	170	0.88	0.16	8.36	0.07	20.0	12.2	25	0.12	30.8
W795466		0.50	<0.001	0.05	7.08	4.6	110	0.57	0.04	2.75	0.09	19.50	10.7	9	0.19	28.4
W795467		0.21	<0.001	0.01	1.70	4.7	80	0.25	<0.01	14.60	0.03	6.41	21.0	65	0.35	2.3

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CERTIFICATE OF ANALYSIS WH21172484

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W795463		0.54	1.47	0.13	<0.1	0.006	0.12	2.0	2.7	0.30	328	0.16	0.25	1.4	7.6	30
W795464		7.19	15.35	0.14	0.3	0.055	0.63	8.6	5.8	3.16	1260	0.18	3.68	2.3	14.0	1940
W795465		4.57	16.80	0.11	1.3	0.060	<0.01	9.7	9.7	0.91	1020	5.44	0.61	3.7	11.7	400
W795466		3.79	11.75	0.12	1.1	0.027	0.30	9.1	10.7	1.31	827	0.11	3.11	5.6	4.2	440
W795467		4.80	3.62	0.07	0.1	0.012	0.27	3.0	4.4	6.80	1640	0.21	0.57	1.2	39.6	40

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 Account: MTT

CERTIFICATE OF ANALYSIS WH21172484

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
W795463		0.5	3.4	<0.002	<0.01	0.14	2.9	<1	<0.2	41.8	<0.05	<0.05	0.28	0.029	<0.02	0.2
W795464		2.6	8.6	<0.002	<0.01	0.56	18.2	<1	0.6	320	0.13	<0.05	1.00	0.446	0.06	0.4
W795465		6.2	<0.1	0.008	1.21	0.29	17.4	1	0.8	229	0.25	0.07	2.00	0.365	<0.02	2.5
W795466		4.4	8.1	<0.002	0.01	0.43	10.3	<1	0.5	427	0.41	<0.05	2.15	0.323	0.04	1.9
W795467		6.4	7.6	<0.002	<0.01	2.56	5.7	<1	0.4	245	0.07	<0.05	0.54	0.065	0.02	0.5

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Account: MTT

CERTIFICATE OF ANALYSIS WH21172484

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
W795463		8	0.1	5.8	8	1.2
W795464		282	0.4	17.0	71	5.8
W795465		119	0.5	13.5	40	41.6
W795466		108	0.4	12.5	55	37.1
W795467		81	0.1	9.6	51	4.1



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 Finalized Date: 3-AUG-2021
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CERTIFICATE OF ANALYSIS WH21172484

	CERTIFICATE COMMENTS										
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>REEs may not be totally soluble in this method. ME-MS61</p>										
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 15%;"></td> <td style="width: 15%; text-align: right;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21		PUL-31	PUL-QC	SPL-21	WEI-21		
CRU-31	CRU-QC	LOG-21		PUL-31							
PUL-QC	SPL-21	WEI-21									
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 67%;">ME-MS61</td> </tr> </table>	Au-ICP21	ME-MS61								
Au-ICP21	ME-MS61										



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 Account: MTT

CERTIFICATE WH21208034

Project: KOI

This report is for 21 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 9-AUG-2021.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	MATT DUMALA SCOTT NEWMAN	STEVE ISRAEL LIZ SMITH
--------------------------------	-----------------------------	---------------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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: 
 Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS WH21208034

Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
B687520		1.50	0.011	0.21	7.99	2.4	580	0.84	0.06	6.19	0.08	19.40	49.4	32	0.22	280
B687521		1.81	0.029	1.28	9.49	108.0	220	1.23	0.72	10.70	0.22	11.20	25.3	13	0.90	1230
B687522		1.54	0.005	1.46	2.18	332	1140	0.33	15.05	8.04	14.60	5.60	10.2	8	0.12	1590
B687523		1.30	0.004	0.17	6.64	11.0	550	0.71	0.49	2.61	0.32	11.95	6.0	23	0.55	43.6
B687524		1.30	0.002	0.01	0.90	1.9	<10	0.06	0.03	4.24	0.04	0.29	1.7	21	<0.05	6.9
B687525		1.67	0.842	2.48	6.16	8.2	240	0.35	0.25	8.70	0.27	9.94	82.5	15	0.26	2450
B687526		1.76	0.003	0.02	0.56	3.0	50	0.18	0.01	17.50	0.22	4.17	25.3	19	0.12	12.8
B687527		1.23	0.016	1.10	3.17	96.2	10	0.49	0.15	0.75	0.73	22.6	1.6	11	0.08	3350
B687528		1.75	0.005	0.03	6.23	1.4	1000	1.21	0.07	1.01	<0.02	63.1	1.2	8	0.23	7.8
B687578		1.22	0.030	1.56	5.89	1.0	520	0.40	0.05	3.30	0.07	10.45	21.0	14	0.25	5280
A0980966		2.10	0.003	0.14	9.70	8.2	50	0.59	0.03	9.57	0.08	17.45	10.1	7	0.06	65.0
A0980967		2.24	0.034	1.69	8.13	1.7	390	0.83	0.09	3.58	75.4	33.0	25.5	35	0.09	1210
A0980968		1.81	0.021	0.07	7.67	2.5	520	1.90	1.59	1.69	0.13	27.8	9.9	4	0.40	35.6
A0980969		1.52	0.006	0.06	8.81	5.6	260	0.56	0.08	5.42	0.09	12.30	21.9	16	0.07	116.0
A0980970		2.83	2.49	3.39	6.28	2.3	650	0.52	0.42	4.70	0.11	11.10	24.7	13	0.10	>10000
A0980971		1.43	0.114	1.96	7.39	2.5	30	0.59	0.09	2.72	0.08	14.00	28.1	45	<0.05	3890
A0980972		0.97	2.04	3.54	4.28	1.9	1000	0.25	0.08	14.25	0.10	8.05	14.7	8	0.08	6790
A0980973		2.59	0.013	2.41	4.51	0.9	270	0.53	3.81	1.11	0.07	12.20	17.2	49	0.16	1570
A0980974		2.33	0.026	2.80	7.03	2.6	20	0.92	0.31	8.35	0.28	38.9	11.5	10	0.09	4630
A0980975		2.44	0.002	0.05	8.59	15.9	260	0.63	0.03	5.05	0.12	13.95	19.7	12	0.35	50.5
A0980976		1.68	0.010	0.40	8.78	39.2	580	0.83	0.13	1.04	0.04	25.1	22.4	16	0.51	36.7



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CERTIFICATE OF ANALYSIS WH21208034

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
B687520		9.77	17.55	0.11	0.8	0.083	1.24	9.3	3.0	3.13	1660	0.94	2.28	3.6	32.8	790
B687521		7.08	23.9	0.09	0.5	0.719	0.48	4.6	2.3	1.16	1730	0.44	2.00	0.9	11.7	930
B687522		3.50	3.21	0.05	0.3	0.564	0.19	3.0	11.8	3.66	638	19.20	0.02	1.1	27.2	180
B687523		1.87	13.10	0.14	0.7	0.021	0.83	5.4	13.6	1.06	345	1.80	2.56	5.1	17.9	600
B687524		0.70	2.18	<0.05	<0.1	0.007	<0.01	<0.5	1.4	0.11	133	0.27	0.01	0.1	4.7	10
B687525		12.20	15.30	0.10	0.6	0.117	0.82	3.9	5.8	3.55	1940	1.33	1.07	1.0	43.7	660
B687526		4.66	1.12	<0.05	0.1	<0.005	0.05	2.1	3.1	8.70	1580	0.34	0.02	0.8	58.7	40
B687527		1.06	5.77	0.08	0.1	0.020	0.14	13.1	2.9	0.27	115	2.47	1.77	3.5	3.5	30
B687528		1.56	12.85	0.20	0.8	0.043	3.88	36.3	2.3	0.35	355	0.95	2.39	8.5	1.3	120
B687578		5.05	9.58	0.11	0.3	0.054	1.22	4.3	5.0	1.52	753	0.35	1.47	0.8	13.9	610
A0980966		5.59	17.55	0.11	0.8	0.074	0.12	7.6	11.7	0.88	865	0.97	1.29	2.1	3.3	450
A0980967		4.51	16.95	0.18	0.8	0.077	0.50	15.1	3.5	1.86	1200	4.63	4.98	6.9	31.7	740
A0980968		5.86	23.4	0.17	1.3	0.081	3.02	13.8	10.9	1.38	820	0.68	2.35	2.6	4.3	1040
A0980969		5.65	17.70	0.14	0.3	0.064	0.51	4.5	4.8	1.86	1360	0.26	3.11	1.6	9.7	930
A0980970		6.01	11.65	0.11	0.6	0.097	1.43	4.4	3.7	1.31	858	0.34	1.55	1.1	11.3	830
A0980971		5.49	13.65	0.12	0.2	0.157	0.08	5.8	4.6	2.07	1100	0.62	4.28	2.5	26.7	820
A0980972		3.75	7.13	0.06	0.2	0.168	1.10	3.0	3.0	1.14	2360	0.58	1.36	0.7	11.8	410
A0980973		4.24	9.21	0.16	0.3	0.044	0.98	4.1	5.1	2.11	678	1.95	0.65	1.0	22.8	1170
A0980974		6.19	28.0	0.11	0.9	0.159	0.08	22.4	1.2	0.26	707	3.28	0.59	4.9	7.7	660
A0980975		6.87	16.30	0.11	1.0	0.066	0.65	6.1	10.6	1.95	1240	0.14	2.88	2.6	8.6	450
A0980976		5.77	19.00	0.09	1.2	0.043	0.88	10.8	14.5	1.44	1080	16.65	3.67	7.9	6.2	740



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CERTIFICATE OF ANALYSIS	WH21208034
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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
B687520		2.3	28.9	<0.002	0.02	0.67	43.5	<1	0.9	255	0.23	<0.05	1.90	0.541	0.09	0.7
B687521		8.6	9.6	<0.002	0.10	50.1	25.2	<1	10.6	1470	<0.05	0.10	0.43	0.346	0.04	0.5
B687522		42.4	3.8	<0.002	0.85	197.0	1.3	1	0.4	273	0.07	0.18	0.24	0.042	0.02	0.7
B687523		9.2	11.6	<0.002	0.16	8.71	4.4	<1	0.4	707	0.31	0.09	0.33	0.203	0.08	0.3
B687524		0.6	0.1	<0.002	0.01	0.72	0.9	<1	<0.2	64.7	<0.05	<0.05	0.02	0.011	<0.02	<0.1
B687525		2.1	21.2	<0.002	0.18	2.57	29.1	1	0.5	301	0.05	0.19	0.50	0.410	0.08	0.3
B687526		9.4	1.3	<0.002	0.01	1.81	5.1	<1	<0.2	197.0	<0.05	<0.05	0.44	0.027	<0.02	0.9
B687527		2.1	3.1	<0.002	0.08	0.67	1.1	2	0.2	53.7	0.30	<0.05	6.24	0.020	0.02	1.7
B687528		4.3	77.7	<0.002	0.06	0.58	5.5	<1	1.4	49.7	0.63	<0.05	6.18	0.084	0.26	1.0
B687578		1.1	22.5	<0.002	0.43	0.42	21.3	1	0.3	282	<0.05	<0.05	0.30	0.326	0.06	0.1
A0980966		11.9	1.2	<0.002	1.31	1.80	24.4	<1	0.7	278	0.11	<0.05	0.76	0.433	<0.02	0.3
A0980967		4.4	8.2	<0.002	0.12	0.45	18.3	2	1.3	233	0.43	<0.05	1.48	0.427	0.05	1.3
A0980968		3.3	127.5	0.002	3.91	0.95	16.0	<1	2.5	737	0.15	1.64	2.02	0.337	0.59	2.8
A0980969		2.6	9.2	<0.002	0.04	1.37	30.7	<1	0.4	595	0.08	<0.05	0.28	0.546	0.04	0.1
A0980970		2.0	19.2	<0.002	1.06	0.56	22.4	6	0.3	459	0.06	0.06	0.42	0.355	0.05	0.2
A0980971		1.2	1.0	<0.002	0.22	0.86	25.1	3	0.6	300	0.16	0.13	0.89	0.364	<0.02	0.3
A0980972		1.6	12.8	<0.002	0.13	0.48	15.9	2	0.2	183.5	<0.05	<0.05	0.30	0.199	0.04	0.4
A0980973		149.0	28.5	<0.002	0.08	0.11	34.9	24	0.5	36.8	0.05	<0.05	0.96	0.318	0.06	0.4
A0980974		3.4	2.4	<0.002	0.08	0.57	7.1	2	1.8	1020	0.27	<0.05	3.42	0.206	<0.02	1.9
A0980975		2.8	10.3	<0.002	0.11	0.22	29.2	<1	0.7	475	0.14	<0.05	0.90	0.536	0.07	0.5
A0980976		26.3	34.0	0.060	0.35	0.61	17.1	3	0.7	376	0.55	0.30	2.89	0.397	0.14	2.9



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Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Cu-OG62 Cu % 0.001
B687520		324	0.5	23.5	90	17.0	
B687521		309	1.3	11.8	51	15.4	
B687522		18	0.2	2.3	402	11.5	
B687523		39	0.8	2.9	46	22.4	
B687524		14	<0.1	0.5	5	0.8	
B687525		295	0.6	11.4	106	15.9	
B687526		116	0.1	6.0	91	3.9	
B687527		5	0.1	6.0	32	1.6	
B687528		7	0.7	16.9	31	20.2	
B687578		207	0.2	6.7	54	6.3	
A0980966		184	0.3	16.1	52	20.3	
A0980967		167	0.5	28.6	1240	25.7	
A0980968		195	22.2	13.7	50	44.7	
A0980969		294	1.0	15.2	62	6.7	
A0980970		219	0.4	10.4	48	15.2	1.270
A0980971		160	0.3	13.4	71	5.9	
A0980972		111	0.2	21.4	44	3.9	
A0980973		159	0.2	13.0	42	7.9	
A0980974		66	0.3	27.9	11	25.4	
A0980975		272	0.3	14.1	101	32.5	
A0980976		168	0.3	17.3	53	39.4	



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CERTIFICATE COMMENTS									
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>REEs may not be totally soluble in this method. ME-MS61</p>								
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU-31</td> <td style="width: 33%;">CRU-QC</td> <td style="width: 33%;">LOG-21</td> <td style="width: 33%;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></td> </tr> </table>	CRU-31	CRU-QC	LOG-21	PUL-31	PUL-QC	SPL-21	WEI-21	
CRU-31	CRU-QC	LOG-21	PUL-31						
PUL-QC	SPL-21	WEI-21							
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">Cu-OG62</td> <td style="width: 33%;">ME-MS61</td> <td style="width: 33%;">ME-OG62</td> </tr> </table>	Au-ICP21	Cu-OG62	ME-MS61	ME-OG62				
Au-ICP21	Cu-OG62	ME-MS61	ME-OG62						