

BC Geological Survey
Assessment Report
38382



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Diamond Drill Program Assessment Report for 2018, Frasergold Property, Williams Lake Area, British Columbia

TOTAL COST: \$395,807.81

AUTHOR(S): Graham Leroux, M.Sc., P. Geo
SIGNATURE(S):

A handwritten signature in black ink that reads "Graham Leroux".

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-10-216 / May 4th to December 31st, 2018

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S) :

YEAR OF WORK: 2018

PROPERTY NAME: Frasergold

CLAIM NAME(S) (on which work was done): Eureka Peak [1041967]

COMMODITIES SOUGHT: Au, Cu, Ag, Zn, Pb, Mo

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: 093A 150

MINING DIVISION: Cariboo

NTS / BCGS: 093A038

LATITUDE: 052°19'06"

LONGITUDE: 120°35'25" (at centre of work)

UTM Zone:10

EASTING:665083

NORTHING:5797785

OWNER(S): Kore Mining Ltd.

MAILING ADDRESS: #1601 – 277 Thurlow Street, Vancouver British Columbia, V6C 0C1

OPERATOR(S) [who paid for the work]: Kore Mining Ltd.

MAILING ADDRESS: As above

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Monzonite, Porphyry, Middle-Upper Triassic, Nicola Group, Drag Fold, Eureka Syncline, Perseus Anticline, Eureka Peak, Quartz Veins, Eureka, Copper, Gold, Silver, Northwest Trending, Eleven Million Tonnes Grading 1.85 Grams Per Tonne Gold.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Whitehead, K., 2016, Geochemical Sampling and Geophysics Interpretation Program: Assessment Report for 2016, Frasergold Property, Williams Lake Area, British Columbia. Prepared for Eureka Resources Inc. Event Number: 5634755. Date Submitted: Feb 26th, 2017.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Computer modelling		1041967	\$17,382.25
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil			
Silt			
Rock	741	1041967	\$30,064.22
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core	1,077m		
	3 holes	1041967	\$118,929.23
	NQ		
	Horsefly		
Non-core			\$31,500.00
RELATED TECHNICAL			
Sampling / Assaying	21 days	4 personnel	1041967
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			

Trench (number/metres)		
Underground development (metres)		
Other (Accommodation & Food)	See Cost Statement	\$16,432.49
Other (Transportation & Freight)	See Cost Statement	\$131,810.37
Other (Equipment & Rentals)	See Cost Statement	\$6,508.00
	TOTAL COST	\$395,807.81

Diamond Drill Program Assessment Report for 2018, Frasergold Property, Williams Lake Area, British Columbia

Prepared For:



#1601 - 277 Thurlow Street
Vancouver, British Columbia
V6C 0C1

Event Numbers:

Mine Permit No: MX-10-216

Cariboo Mining Division, British Columbia

Property location is approximately 50 km east of Horsefly, BC, 100 km east of Williams Lake, BC,
and 230 km southeast of Prince George, BC.

NTS Map Sheet 093A02, 07

UTM Coordinates NAD 1983, Zone 10N

52° 19' 06" North Latitude and 120° 35' 25" West Longitude

Dates of Work: May 4th to December 31st, 2018

Operator: Kore Mining Ltd.

Owner of Claims: Kore Mining Ltd.

Prepared by: Graham Leroux, M.Sc., P.Geo., Consulting Geologist for Kore Mining Ltd.

Supervised by: James Hynes, Executive Chairman, Kore Mining Ltd.

Date Submitted: August 9, 2019

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1. Introduction, Property Location, Access, Property Agreements and Mineral Claims

Introduction

Compilation of geophysical, geological and geological digital data was carried out in the summer of 2018 and led to the development of prospective drill targets within the Frasergold claim group. Field exploration in 2018 began on October 1st with a drill crew mobilizing to the property, drilling three diamond drill holes and completing operations on October 24th. Diamond drill core was logged and sampled in Likely, BC, between October 29th and November 21st. The drill campaign targeted a geophysical anomaly in the Nova Zone and identified a new region of massive sulphide mineralization containing anomalous gold and copper values. This report summarizes the complete 2018 Frasergold exploration program and includes the results of such work.

Property Location

The Frasergold Property claims are located approximately 50 kilometers east of the village of Horsefly, BC, and 100 kilometers east of the city of Williams Lake, BC located on NTS map sheet 093A02, 07 at approximately 52° 19' 06" north latitude and 120° 35' 25" west longitude (Figure 1). The property outlined for assessment comprises 35 contiguous quartz mining claims covering approximately 13,008.40 hectares within the Mackay River Valley and spanning across towards the west shores of Crooked Lake (Table 1, Figure 2).

Access

The property is accessible by paved and gravel surface roads that lead east northeast from Williams Lake to the village of Horsefly and along the Horsefly River to Mackay River (Figure 1). Additional access is gained to the Eureka bowl and Nova Zone by a network of historical exploration roads (Figure 2).

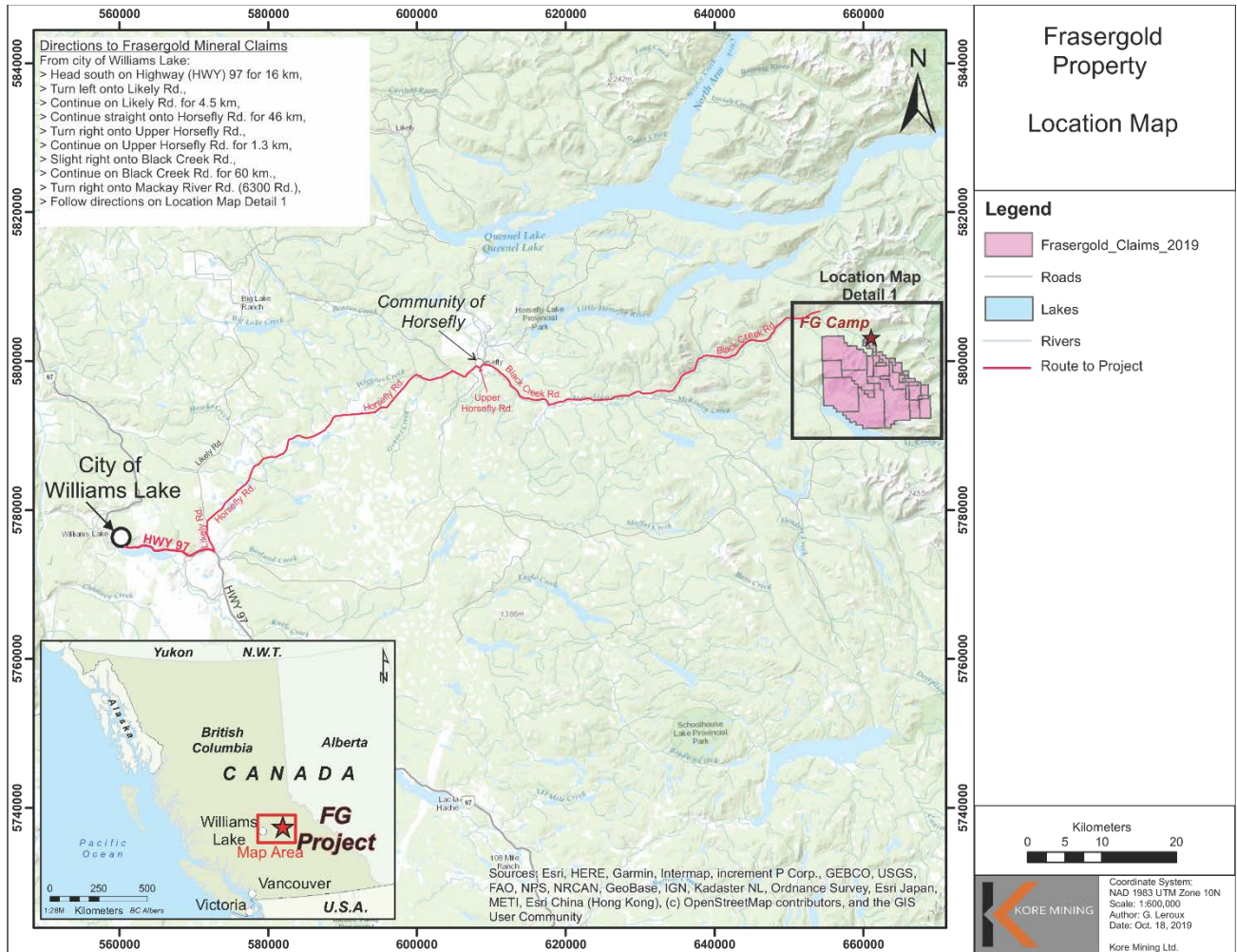


Figure 1. Frasergold Property Location Map

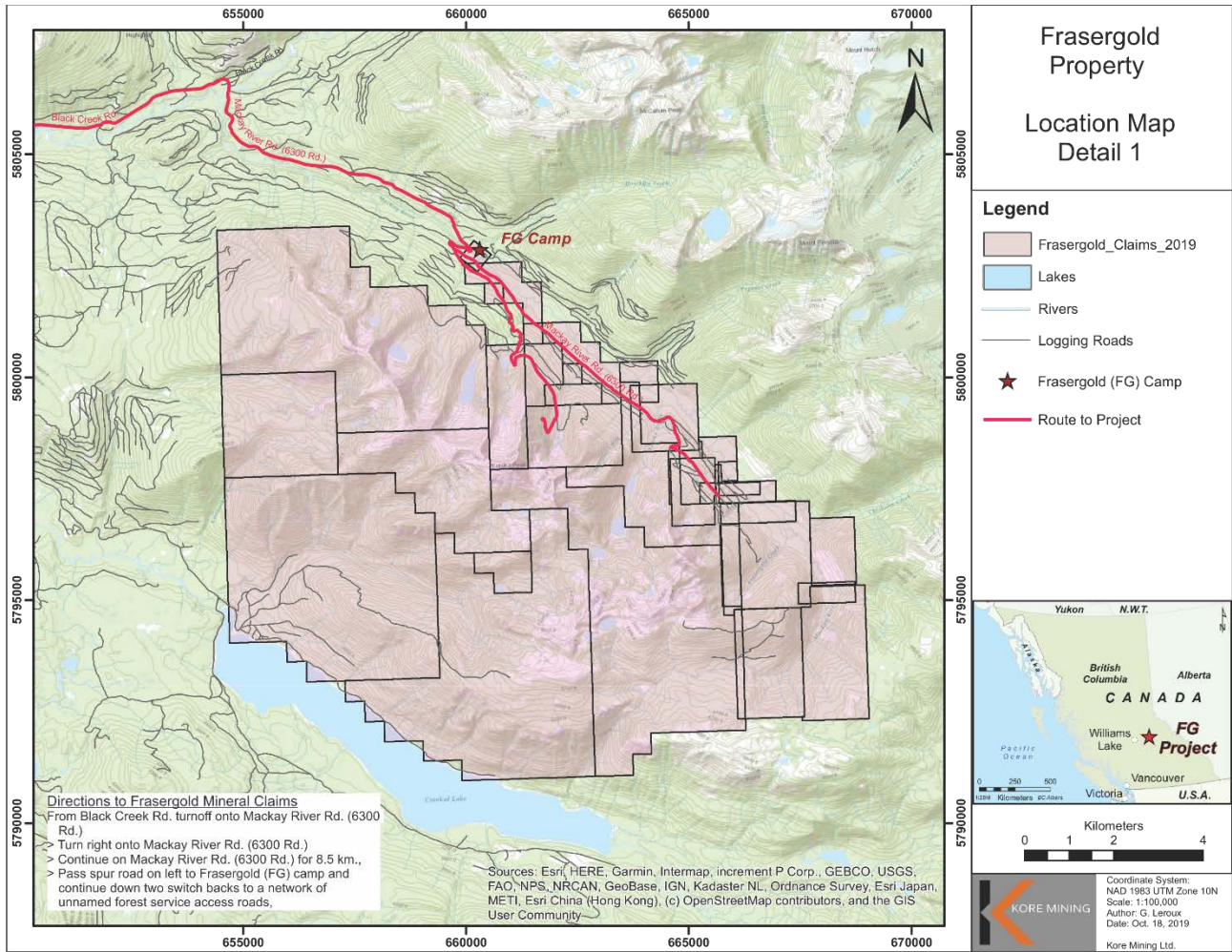


Figure 2: Frasergold Property Location Map Detail 1

Property Agreements and Mineral Claims

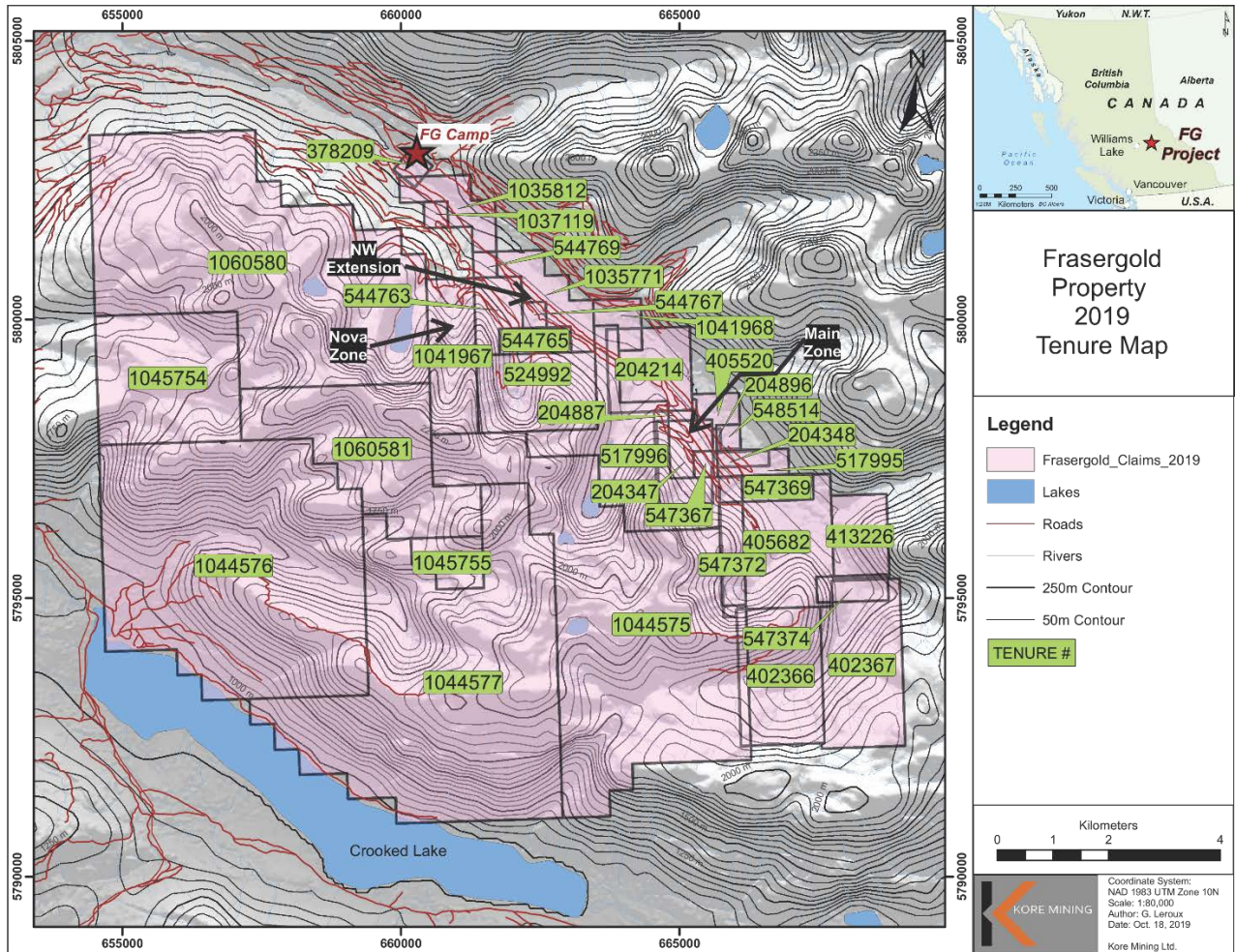


Figure 3. Frasergold Property Claim Map. Claims and registered owners listed in Table 1.

Table 1. Frasergold claims and registered owners

Title Number	Claim Name	Owner	Map Number	Issue Date	Good To Date	Area (ha)
204214	MAC	107887 (100%)	093A038	1979/OCT/19	2022/DEC/15	225.00
204347	KAY #10	107887 (100%)	093A028	1980/SEP/25	2022/DEC/15	150.00
204348	KAY #11	107887 (100%)	093A038	1980/SEP/25	2022/DEC/15	50.00
204887	MAC 9 FR.	107887 (100%)	093A038	1984/JUL/16	2022/DEC/15	25.00
204896	MAC 11 FR	107887 (100%)	093A038	1984/JUL/27	2022/DEC/15	25.00
378209	L-1	107887 (100%)	093A037	2000/JUN/18	2022/DEC/15	25.00
402366	KAY #10	107887 (100%)	093A028	2003/MAY/09	2022/DEC/15	375.00
402367	KAY #11	107887 (100%)	093A028	2003/MAY/09	2022/DEC/15	450.00
405520	J#1	107887 (100%)	093A038	2003/OCT/04	2022/DEC/15	100.00
405682	KAY #9	107887 (100%)	093A038	2003/SEP/26	2022/DEC/15	500.00
413226	J#2	107887 (100%)	093A028	2004/AUG/17	2022/DEC/15	150.00
517995	NUGGET	107887 (100%)	093A	2005/JUL/18	2022/DEC/15	59.31
517996	IMPERIAL	107887 (100%)	093A	2005/JUL/18	2022/DEC/15	494.31
547367	H#1	107887 (100%)	093A	2006/DEC/14	2022/DEC/15	19.77
547369	H#2	107887 (100%)	093A	2006/DEC/14	2022/DEC/15	59.32
547372	H#3	107887 (100%)	093A	2006/DEC/14	2022/DEC/15	79.11
547374	H#4	107887 (100%)	093A	2006/DEC/14	2022/DEC/15	59.34
524992	EUREKA	107887 (100%)	093A	2006/JAN/10	2022/DEC/15	296.52
544763	EUREKA	107887 (100%)	093A	2006/NOV/01	2022/DEC/15	98.81
544765	MISSING	107887 (100%)	093A	2006/NOV/01	2022/DEC/15	59.29
544767	ADD ON	107887 (100%)	093A	2006/NOV/01	2022/DEC/15	19.76
544769	ANOTHER	107887 (100%)	093A	2006/NOV/01	2022/DEC/15	19.76
548514	EUR #1	107887 (100%)	093A	2007/JAN/03	2022/DEC/15	19.77
1035771	KK	107887 (100%)	093A	2015/APR/29	2022/DEC/15	138.32
1035812	EXT	107887 (100%)	093A	2015/APR/30	2022/DEC/15	118.50
1037119	GAP	107887 (100%)	093A	2015/JUL/06	2022/DEC/15	19.75
1045754	SOUTHLIMB2	107887 (100%)	093A	2016/AUG/03	2022/DEC/15	592.71
1045755	SOUTHLIMB3	107887 (100%)	093A	2016/AUG/03	2022/DEC/15	98.89
1041967	EUREKA PEAK	107887 (100%)	093A	2016/FEB/11	2022/DEC/15	237.17
1041968	CREEK	107887 (100%)	093A	2016/FEB/11	2022/DEC/15	59.29
1044575	KUSK EXPLORE	107887 (100%)	093A	2016/JUN/05	2022/DEC/15	1820.10
1044576	2ND LIMB	107887 (100%)	093A	2016/JUN/05	2022/DEC/15	1977.25
1044577	CENTRAL SYNCLINE	107887 (100%)	093A	2016/JUN/05	2022/DEC/15	1978.56
1060580	KORE 1	107887 (100%)	093A	2018/MAY/14	2022/DEC/15	1935.68
1060581	KORE 2	107887 (100%)	093A	2018/MAY/14	2022/DEC/15	672.10
					Total Area:	13008.40

2. History, Economic and General Assessment, and Adjacent Properties

The bulk of the following information was derived from March 2007, January 2008 and July 2015 NI 43-101 Technical Reports and 2016 Assessment Report.

History, Economic and General Assessment

First record of work on the Frasergold property is from the prospecting work of Clifford E. Gunn in the late 1970s. He staked the original claims over an area with a panned gold anomaly in Frasergold Creek. Prospecting continued through to 1982 when Keron Holdings Ltd. and NCL Resources Ltd., optioned the

property. They conducted geological mapping, soil and rock geochemistry surveys which resulted in delineation of anomalous gold values over a 10 km strike length.

Eureka acquired the property in 1983 and optioned it to Amoco Canada Petroleum Co. Ltd. ('Amoco'). In 1983 and 1984, Amoco collected soil and rock samples, conducted limited electromagnetic and magnetic surveys, and drilled 14 diamond drill holes totalling 4,519 meters. Highlights from their work include visible gold in 12 of 14 drill holes and intersections ranging from 0.7 g/T Au over 7.5 meters and 10.6 g/T Au over 1.5 meters. Amoco terminated the option agreement and returned the property to Eureka after these programs.

In 1985 and 1986 Eureka collected additional soil and rock samples, completed targeted trenching and bulk sampling, performed an I.P. geophysical survey, reverse circulation drilling, diamond drilling and metallurgical testing. Four reverse circulation holes totalling 406.5 meters and eighteen diamond drill holes totalling 2,021 meters was completed in this time. Drilling highlights include 1.8 g/t Au over 39.0 meters and 40.8 g/t over 1.5 meters. The gold content of the bulk sample taken in 1985 was determined to be 4.26 g/t Au (Marchant 1985).

Southlands Mining Corporation ('Southlands') undertook an option on the Frasergold property in 1987 with Eureka as the operator. During this time, Southlands sampled eight trenches totalling 660 meters, and completed 21 reverse circulation drill holes totalling 1,710 meters. Southlands optioned a portion of their interest to Sirius Resources Corp. ('Sirius') in late 1987. Sirius completed 17 diamond drill holes totalling 1,536 meters, 37 reverse circulation holes totalling 2,456 meters, and excavated 524 tonnes of material from 184 meters of underground workings for bulk sampling.

In 1988 Sirius collected 478 soil samples, 27 rock chip samples and completed 6 diamond drill holes totalling 862 meters in the Eureka Peak zone. Drilling highlights included numerous 1 meter intervals with grades up to 7.93 g/t Au (Campbell, 1989).

In 1989, Eureka collected 284 underground channel samples, 74 muck samples from untested rounds and 297 drill core samples during a relogging and geological mapping campaign of the underground workings. In 1990, Eureka and Asarco Company of Canada Ltd. (Asarco) entered into a joint venture agreement. In 1990 and 1991, Asarco drilled 25 diamond drill holes totalling 4,687.2 meters, and 156 reverse circulation holes totalling 15,720 meters. Four 1.25 ton bulk samples collected in 1990 were tested by Bacon, Donaldson and Associates Ltd. The average composite grade of these bulk samples was 2.12 g/t Au with preliminary gold recoveries ranging from 87 to 92%.

In 1991, underground workings were lengthened by 114 meters, producing 1,591 tons of material divided into nine lots for off-site milling. The average grade of this material was 0.84 g/t. A 1991 report by K.V. Campbell, W. Gruenwald, L. Walters and M. Schatten used drill hole and underground sample data to conclude that an "in-situ resource" of 3,396,970 tons with an average grade of 1.56 g/t Au was present within the Main Zone of the Frasergold property (Campbell, et al., 1991). However, the in-situ resource figure presented above does not conform to the currently accepted CIM standards or NI43-101 Standards of Disclosure for mineral projects; they are presented solely for historical context and should not be relied upon.

Asarco commissioned James Askew Associates Inc. ('Askew') to conduct a pre-feasibility study of the Frasergold project in January 1991. Askew completed "in-situ Reserves/Resources" for the projects using hand drawn polygon methods based on data collected by Asarco and other reliable historical data. A cutoff grade of 0.933 g/t Au, an upper limit of 18.66 g/t Au, and specific gravity of 2.7 was used for their calculations. The result was presented as 6,612,675 tons with an average grade of 1.71 g/t Au to represent 362,825 ounces of gold (Askew, 1991). The volume and gold contents of the Askew (1991) study do not conform to the "CIM Standards on Mineral Resource and Reserves, Definitions and Guidelines", issued in 2000 and modified with adoption of the "CIM Definitions Standards – For Mineral Resources and Mineral Reserves" in 2005. The resource estimate provided by Askew (1991) study does not use CIM compliant calculations and therefore does not fulfill NI43-101 reporting standards and should not be relied upon. The study is relevant to the current review as an indication of the depth and scope of exploration conducted on the property.

Between 1980 and 2007, it is estimated that approximately \$11.26 million had been expended on exploration of the Frasergold property. 344 holes totalling 39,582 meters along with 294 meters of underground drifts were completed during this time.

In 2007, Hawthorne conducted a drill program to test four previously defined zones of interest; including the Main Zone, Grouse Creek West Zone, Grouse Creek East Zone and the Frasergold Zone. 16 HQ sized diamond drill holes were completed totalling 3,615 meters.

In 2008, Hawthorne drilled an additional 58 NQ sized diamond drill holes totalling 10,414 meters. Silt, soil and rock samples were collected at locations considered distal to the Main Zone.

In 2011, Teslin Resources conducted an 11 field exploration program and collected 565 soil, 7 rock and 6 silt samples over three areas of interest. Compilation of digital geological and geochemical data throughout the fall of 2011 led to a new geological interpretation and recommendations for future exploration programs.

A short reconnaissance program in 2015 utilized a Bell 206 helicopter from Highland Helicopters of Williams Lake B.C. The program collected 71 soil samples over 4 line kilometers as follow up to a previously defined anomalous copper and gold in soil trend. The objective of the field work was to assist in the planning of further exploration on the property later in the year. An additional 9.5 line kilometers totalling 190 soil samples was recommended for future work.

In 2016, Eureka conducted a soil sampling program immediately west of the 2015 ("northwest extension grid") soil grid in an effort to explore for gold mineralization along an interpreted geophysical trend. The objective of this program was to assist in the planning of an exploration drill program in 2017.

Adjacent Properties

There are currently no active mines immediately adjacent to the Frasergold property. The closest operating mine is Imperial Metal Corporation's Mount Polley copper-gold porphyry deposit located 30 kilometers to the northwest. Numerous copper prospects are located throughout the region, including

the Woodjam property 15 kilometers south of the village of Horsefly, Spanish Mountain 40 kilometers to the north by the town of Likely and QR pas producing mine site 50 kilometers northwest.

3. Geological, Structural Description and Deposit Model of the Project Area

Regional Geology and Structural Description

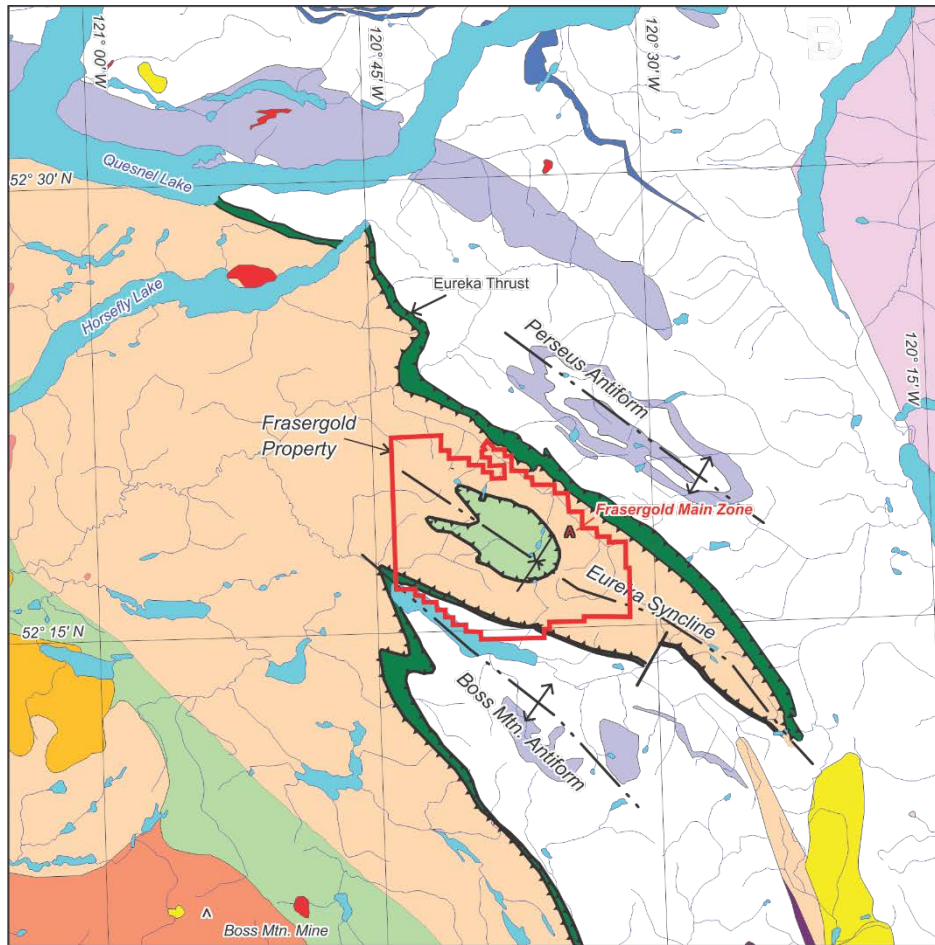
The Frasergold property straddles the boundary between two major tectonic belts of the Canadian Cordillera. The Omineca Tectonic Belt lies to the east of the property and the Intermontane Belt lies on the west and central portions of the property. Three regional tectonostratigraphic Terranes are present; Kootenay, Slide Mountain and Quesnel Terranes. Slide Mountain and Quesnel Terranes form part of the Intermontane Belt which has been accreted eastward onto the Kootenay Terrane of the Omineca Belt. The tectonic boundary between these two Belts is referred to as the Eureka Thrust (Figure 4).

In the project area, the Omineca Belt is characterized by Hadrynian to early Paleozoic quartz-mica schists and gneisses of the Snowshoe Group. These rocks are considered part of the Kootenay Terrane and described as pericratonic, intensely deformed, variably metamorphosed rocks. The Omineca Tectonic Belt is known for its prevalence of gold and tungsten mineral occurrences such as those in the Barkerville mining camp north of the property. Rocks of the Quesnel Terrane are described as metavolcanic and phyllite of Permian to Jurassic age. Imperial Metal Corporation's Mount Polley copper-gold porphyry mine 40 kilometers north of Frasergold occurs within similar Quesnel Terrane rocks.

The northwest trending, shallowly plunging, Eureka Syncline and Perseus Anticline are the dominant interpreted structures in the region. Well developed, northeast striking, vertical extension joints are manifested in the drainage pattern of the Eureka Syncline. Toward the nose of the Syncline, southeast of the project area, the Syncline becomes overturned to the southwest with axial planes dipping steeply northeast; however, the Syncline is considered upright in the area of the property. Rocks in the core of the Eureka Syncline are comprised of basalt, augite porphyry flows, tuffs and volcanic breccias metamorphosed to a low grade. The basal contact of the volcanic rocks with underlying sedimentary rocks of the Quesnel River Group is interpreted as a fault.

Regional metamorphism has affected all pre-Tertiary rocks in the project area. Lowest metamorphic grades are exposed along Horsefly River where primary sedimentary rock textures are preserved. Increasing metamorphic grade is documented towards the Perseus and Boss Mountain Anticlines; ranging from medium grade amphibolite facies up to kyanite-staurolite-fibrolite stability zones in the cores of the Anticlines.

The northwest trending Mackay River valley marks a zone of extensive vertical or near vertical fracturing. Along the valley, the upper Triassic Quesnel River Group is flanked by two or more competent units; younger intrusive and volcanoclastic rock to the south and older amphibolite, schist and gneiss to the north and east. Shearing and faulting is concentrated within the incompetent phyllites striking along the valley.



Overlap Assemblage

Qc Pleistocene volcanics

Intermontane Belt

Eocene

EKaca Kamloops Group; volcanics

Cretaceous

Kg intrusives; undivided

Early Jurassic

EJsy syenite, monzonite

Late Triassic - Early Jurassic

LTrJgd granodioritic intrusives

Middle to Upper Triassic

uTrNvb volcanics **muTrN** sediments; Quesnel River Group black pelites

Omineca Belt

Slide Mtn. Terrane

Mississippian - Permian

uPzC Crooked Amphibolite (Slide Mtn. Group)

Barkerville Terrane

Carboniferous - Permian

uPzB Black Riders Ultramafic Complex

Devonian - Mississippian

DMQ Quesnel Lake gneiss

Proterozoic - Early Paleozoic

PzS Snowshoe Group; pelitic, psammitic schist

PSB Snowshoe Group; Bralco Succession

PzShm Shuswap Assemblage; undivided metamorphics

Figure 4. Regional Geology of the Property Area

Property Geology and Structure

Geological mapping of the Frasergold property was undertaken by Kerr Dawson and Associates (1981), G. Belik & Associates (1984), Read (1988), Campbell (1989), Kerr and Campbell (1990) and Campbell et al (1991). Historical geological mapping campaigns were focused on specific areas of interest and no property wide compilation has been created to date. The following discussion of the property geology is based on information contained in the Historical mapping campaigns.

In the Frasergold property, the middle to upper Triassic Quesnel River Group is underlain by a thick sequence of dark grey to black, iron-carbonate porphyroblastic, lustrous phyllite, locally referred to as the “knotted phyllite”. The knotted phyllite contains minor intercalations of grey phyllite, lenses and layers of light grey massive to phyllitic siltstone and lenses of grey silty limestone. Underlying this sequence is a grey, silty and locally calcareous phyllite. At the base of the knotted phyllite unit in the northwest extension area lies a unit of pale carbonate-quartz-sericite-chlorite schist.

In the vicinity of the Eureka Peak Zone and Nova Zone, upper Triassic and lower Jurassic Quesnel River Group rocks of the Quesnel Terrane consist of arc volcanics, volcanoclastics and comagmatic intrusive phases of hornblende-augite porphyritic quartz monzonite, monzonite and intrusive breccia. Quesnel River Group volcanic and intrusive rocks are overlain by Jurassic arc-derived clastic rocks (Monger et al, 1982). The Quesnel Terrane is recognized for its prevalence of copper, gold and molybdenum mines and showings such as those at Highland Valley, Boss Mountain, QR and Mount Polley.

The Main Zone of known gold mineralization on the Frasergold property is hosted by a fine-grained turbiditic sequence dominated by black carbonaceous phyllite with thin interbeds and lenses of fine-grained metasandstone. This sequence is considered to form part of the middle to late Triassic Quesnel Terrane that lies directly on the Crooked Amphibolite of the Slide Mountain Terrane, which in turn is structurally emplaced on the underlying Barkerville Terrane by the Eureka Thrust (Panteleyev, 1996; Bloodgood, 1987, 1990). All of these features are affected by formation of the structurally late, regionally northwest trending Eureka Syncline; an open fold, the axis of which passes beneath Eureka Peak to the southwest of the Main Zone. The Main Zone lies on the northeast limb of the syncline.

Bedding in the Main Zone dips moderately to shallowly southwest although local variations are thought to result from structural deformation related to the formation of the Eureka Syncline (D_2 of Rhys, 2007). Regional mapping indicates the overall sequence is upright.

Two dominant phases of deformation (D_1 and D_2) are believed to affect rocks of the Quesnel Terrane exposed on the Frasergold property. D_1 is characterized by penetrative slaty to phyllitic cleavage that is axial planar to east to northeast verging, tight to isoclinal, northwest trending folds and shear zones. D_1 is associated with the emplacement of the base of the Quesnel Terrane onto the Barkerville Terrane along the Eureka Thrust and accompanied by, locally outlasted by, peak metamorphism (Panteleyev, 1996). D_2 is associated with the formation of regional open folding, including the Eureka Syncline, which led to reconfiguration of earlier D_1 structures (Bloodgood, 1987). D_2 structures are manifested as a penetrative foliation which is axial planar to the Eureka Syncline (Bloodgood, 1987, Rhys, 2007). A late phase of north to northeast trending crenulation cleavage overprint D_1 and D_2 structures and are observable in outcrops at Frasergold.

Gold mineralization occurs in or is associated with development of quartz – Fe carbonate – muscovite – pyrite vein stockwork. The stockwork is best developed in the knotted phyllite unit. Stockwork zones locally concentrate in zones 10s of meters wide and are observed as dominantly stratabound. Fe-carbonate alteration of specific lamina and carbonate porphyroblast development within the knotted phyllite unit are observed to extent well outside immediate areas of veining.

Two styles of veining are recognized in mineralized areas of the Main Zone; ribbon veins and dilation veins (Rhys, 2007).

Ribbon veins refer to bedding parallel veins and veinlets up to 30 centimeters thick. They are traceable for several meters in surface and underground exposures. They are the most abundant style of veining in the Main Zone. Dilation veins refer to 15-50 centimeter thick quartz-carbonate veins that develop at high angles to bedding.

Ribbon and dilation veins, although discordant, show no crosscutting relationships, they have the same mineralogy and are equally deformed by both D_1 and D_2 , suggesting they are coeval (Rhys et al., 2009).

Geological Model

Two styles of gold mineralization appear to be present on the Frasergold property. Gold-quartz infill vein mineralization in the Main Zone, hosted within knotted phyllite on the east limb of the Eureka Syncline is classified as an orogenic lode-gold deposit type (Goldfarb et al., 1986). Copper-gold-silver replacement style and disseminated mineralization within massive to semi-massive sulphide stringers in the Nova Zone hosted by hornblende-pyroxene porphyritic quartz monzonite and monzonite breccia is tentatively described as peripheral to a copper-gold porphyry deposit type.

4. Description of 2018 Exploration Program

Summary and Location of Drilling

The field program commenced on October 1st, 2018 with J.T. Thomas Diamond Drilling Ltd. arriving on site (Figure 3). Three NQ diameter diamond drill holes were completed over the course of 21 days, totalling 1,077 meters (Table 2, Figure 5). Drill core was transported from the drilling site to a core logging facility in Likely, B.C. where it was logged, split and packaged for sample analysis. Remaining split core was transported to a secure storage facility in Horsefly B.C.

Table 2. 2018 Diamond Drill Hole Collar Coordinates and Attributes

Hole_ID	UTME	UTMN	Elevation (m)	Azimuth°	Dip°	E.O.H. (m)
DDH-18-001	660925	5799090	1913	135	-60	288.65
DDH-18-002	660925	5799090	1913	180	-60	468.48
DDH-18-003	660925	5799090	1913	225	-60	319.82

Electromagnetic (EM) anomalies re-interpreted from a 2008 VTEM survey were considered in context with geological mapping and led to the mineralization targets currently reported. The drill program was designed to test part of the EM anomaly coincident with a porphyry contact. This drilling effort occurred in a previously untested region of the Frasergold claim group and represents a new Au-Cu porphyry-style discovery.

The fall 2018 program successfully identified a new region of semi-massive to massive sulphide stringer-type mineralization containing anomalous copper, gold and silver values (Figures 6, 7 and 8). Geological logging and research suggests that drilling potentially occurred on the [theoretical] flanks of the mineralized copper-gold porphyry-style target. This work expanded the known footprint of mineralization and identified the potential for copper-gold porphyry style mineralization on the Frasergold property.

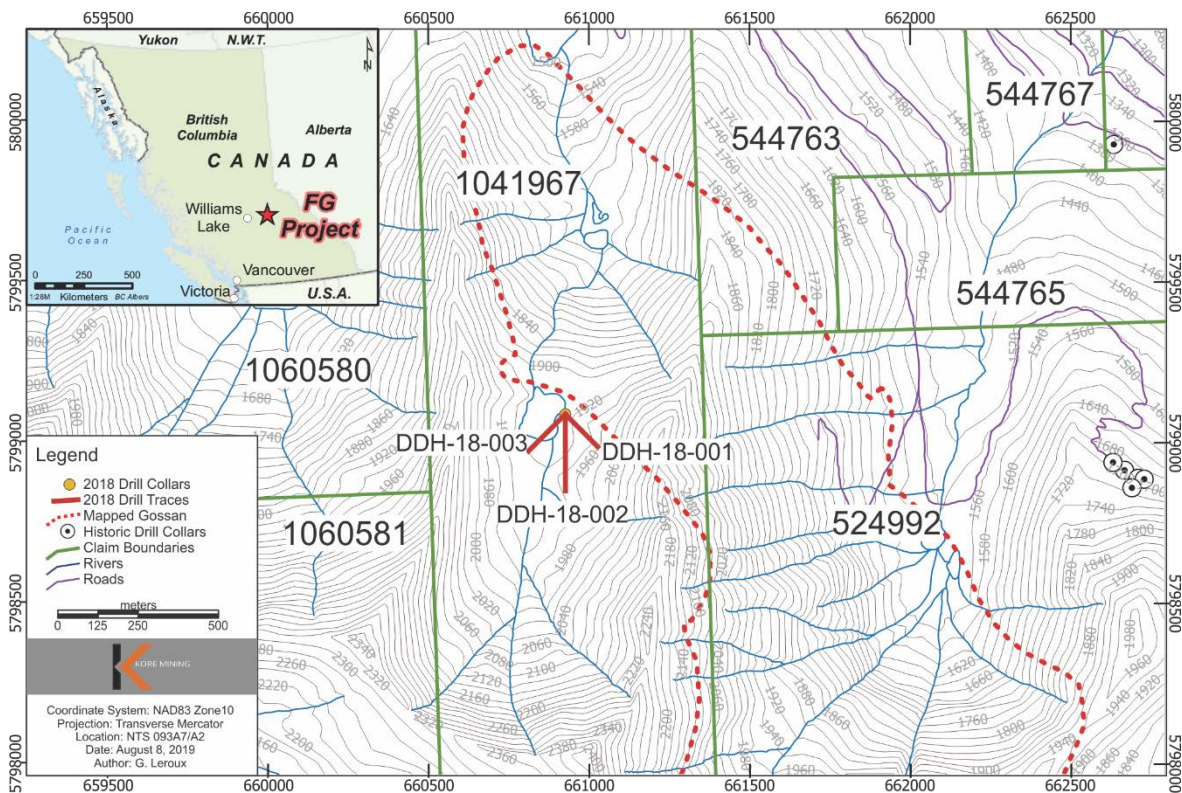


Figure 5. Location of Fall 2018 drill collars

QAQC of Sample Analysis

Sample Stream

Date of sampling: October 30th, 2018 to November 19th, 2018.
 Number of samples: 740 Total (DDH_18_001)198 + (DDH_18_002)322 + (DDH_18_003)220
 % QA/QC samples: 10.9 % of Total (DDH_18_001)22 + (DDH_18_002)35 + (DDH_18_003)24
 Laboratory used: ALS Canada Ltd., 2103 Dollarton Hwy., North Vancouver, BC
 Laboratory certificates: VA18282711 – reported on November 28, 2018
 VA18288863 – reported on December 7, 2018
 VA18288865 – reported on March 1, 2019
 VA18294775 – reported on December 27, 2018

NQ-sized drill core was sealed in core boxes on site at the Nova Zone and trucked directly to the core shack in Likely BC. The core was logged in detail prior to sample layout. Sample intervals were marked on the core and isolated mineralized zones and lithologies. 50cm and 200cm were the minimum and maximum sample interval lengths respectively. All the core was cut in half, along the apical line, and half was submitted for analysis and leaving half in the core box. Field duplicate-pairs were quartered and quarters were submitted for analyses, leaving half the core in the core box. Sample bags contained barcoded sample tags within and written IDs on the outside. Sample bags zip-tied, bundled and shipped to ALS Laboratories by Cariboo Trucking Services out of Williams Lake BC.

Blanks, standards and duplicates (collectively QAQC samples) were inserted into the sample stream at a rate of approximately 1 every 9 samples. Additional blanks and standards were inserted into the sample stream adjacent mineralized or faulted zones.

Blanks

Blanks are samples that are known to be barren of mineralization. Blanks were provided to the project by Ridgeline Exploration Services Ltd. The blanks used for this project were the CDN-BL-10 standards prepared by CDN Resource Laboratories Ltd. in Langley British Columbia (APPENDIX 1). Certified values reported for the blank are listed in Table 1.

Table 3: Select certified values for Reference Material CDN-BL-10

Gold	<0.01 g/t	Certified value	30g FA / Instrumental
Platinum	<0.01 g/t	Certified value	30g FA / Instrumental
Palladium	<0.01 g/t	Certified value	30g FA / Instrumental

Chart 1 below displays the measured values for Au, Ag, Cu, Pb and Zn in the blank standard reference material analysed in this sample stream. All gold values were below detection limit (<0.005ppm) and assigned values of one half the detection limit. All blank samples show uniformly low concentration of the other elements of interest: Ag, Cu, Pb and Zn.

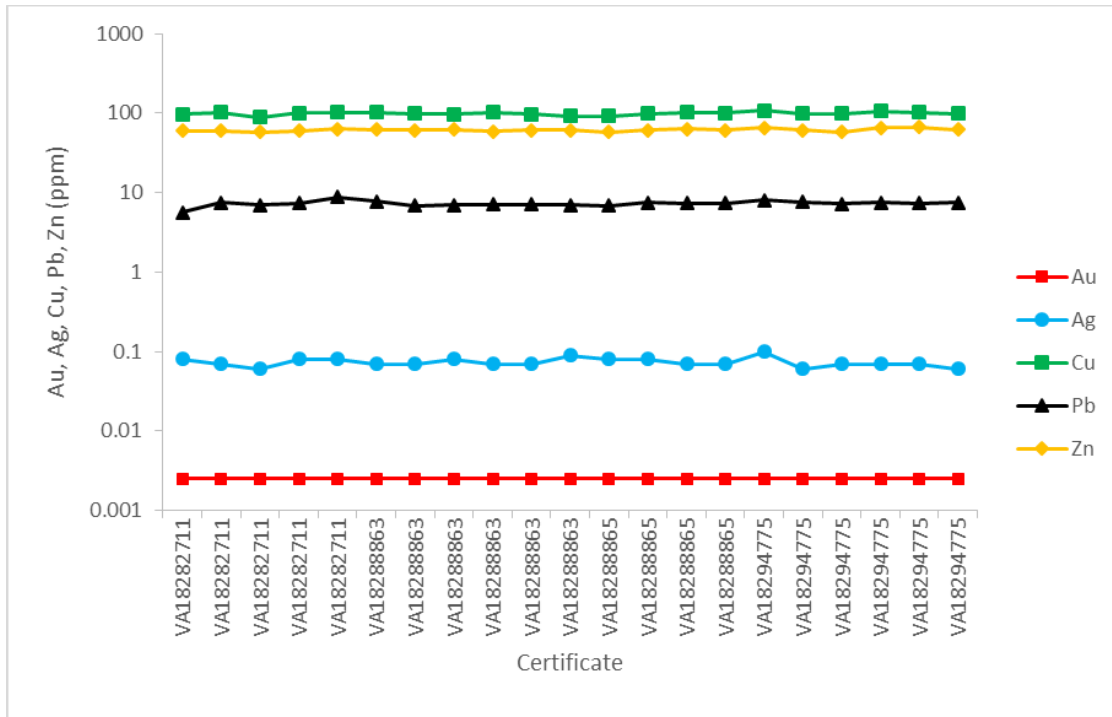


Chart 1: All blank standard reference samples in the 2018 FG Gold, Nova Zone drilling program

Analytical Accuracy: Standard Performance

Standardized reference samples were regularly inserted into the sampling stream to monitor accuracy of analytical results from the lab. Standard samples were provided by Ridgeline Exploration Services Ltd. Two standards were inserted routinely, whereas a third was inserted only once. Certified concentration values of standard material used in the 2018 program are listed in Table 2 and completely in APPENDIX 1.

Table 4: Certified lab analysis for reference material used in the 2018 drilling program. Source: CDN Resource Laboratories Ltd.

Standard	Au (ppm)			Ag (ppm)			Cu (%)			Pb (%)			Zn (%)		
	Mean (x)	2 Std. Dev. (σ)		Mean (x)	2 Std. Dev. (σ)		Mean (x)	2 Std. Dev. (σ)		Mean (x)	2 Std. Dev. (σ)		Mean (x)	2 Std. Dev. (σ)	
CDN-ME-1403	0.954	0.078		53.9	5.4		0.448	0.030		0.414	0.018		1.34	0.06	
CDN-ME-1414	0.284	0.026		18.2	1.2		0.219	0.010		0.105	0.006		0.732	0.024	

The three drill holes reported on here are the first drill holes into a newly discovered area, the Nova Zone. Therefore, there existed no sub-surface precedent of geochemical analyses to guide the choice of standard material used. In the absence of such data, an effort was made to select standards that would yield similar analytical results to those values expected in the core.

The means (x) and standard deviations (σ) of the standards were calculated from the results of a round robin certification process. The process involves passing pulverized material through a 270 mesh screen and homogenizing the -270 material for five days. Splits from the homogenized material were sent to 15

laboratories for round robin assaying. If the mean of all analyses from any lab failed a *t* test of the global means of the other laboratories, all data from that laboratory was removed from further calculations. Analyses that fell outside the mean of $\pm 2\sigma$ were also removed from the data set and the mean and standard deviations were calculated using the remaining data.

In this report, means and standard deviations are used to calculate warning and control limits. Warning limits are set at $\pm 2\sigma$ and the control limits are set at $\pm 3\sigma$. A concentration value that falls outside the control limit range is considered a failure. Control charts that plot concentration versus sample sequence with warning and control limits are presented below in Charts 2 - 6. Plotting the z-score (Eqn. 1) as a proxy for the limits allows for multiple standards to be displayed for each element. Warning limits are indicated by a z-score of ± 2 and control limits are indicated by a z-score of ± 3 .

Equation 1.
$$Zscore = \frac{(Sample - Mean)}{Standard\ Deviation}$$

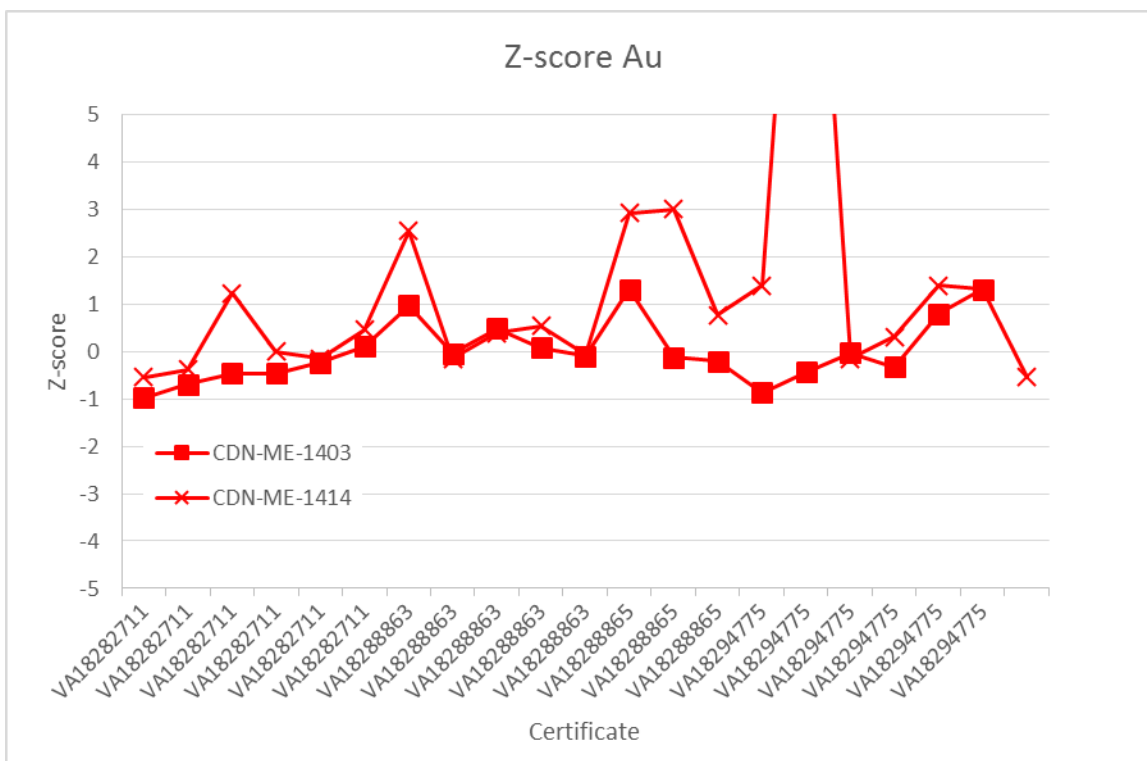


Chart 2: Control chart for Au indicating all standard reference material in the core sample stream

Sample X967364 (CDN-ME-1414) has a Au z-score of 14.08 and plots well off Chart 2. The high z-score reflects an assay result nearly double the expected value for that sample. The reason for this is not readily apparent. There is no indication that the anomalous value is related to the certificate. Ag, Cu, Pb and Zn for the same sample have z-scores all less than the warning limit (± 2). The sample was inserted into the sample stream in the same fashion as all the other standard samples and remained in a double-sealed envelope while in the care of geologists on site. The high z-score for sample X967364 could be due to

contamination at the CDN Resources preparation laboratory or at the ALS analysis laboratory. Alternatively it could be due to a data entry error. Either way it is recommended that it be reanalysed.

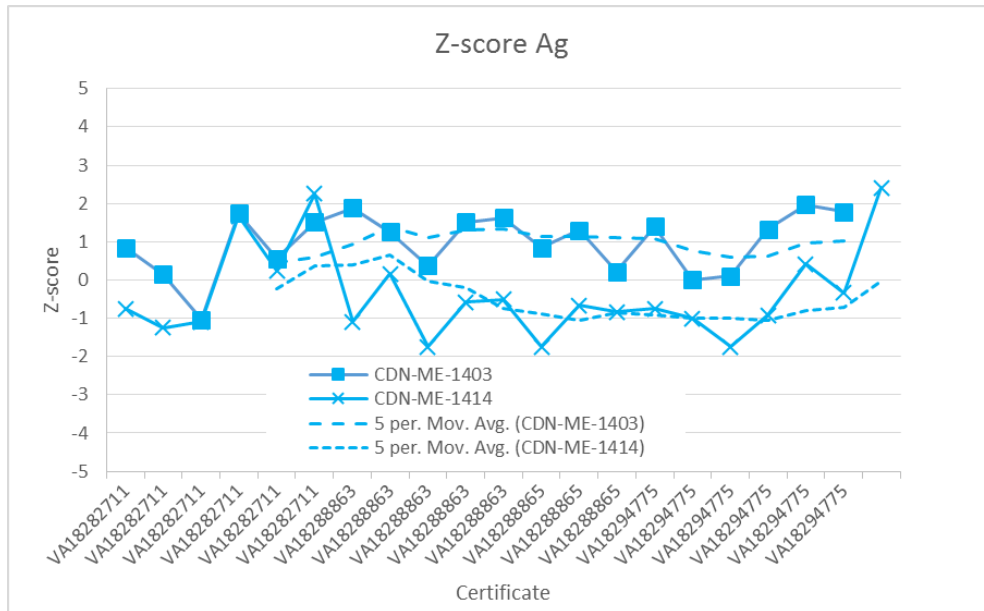


Chart 3: Control chart for Ag indicating all standard reference material in the core sample stream

All Ag z-scores for standard samples plot with the control limit. The moving average (dashed lines) indicate a slight under-reporting of Ag in the CDN-ME-1414 standard samples and a slight over-reporting of Ag in the CDN-ME-1403 standard samples.

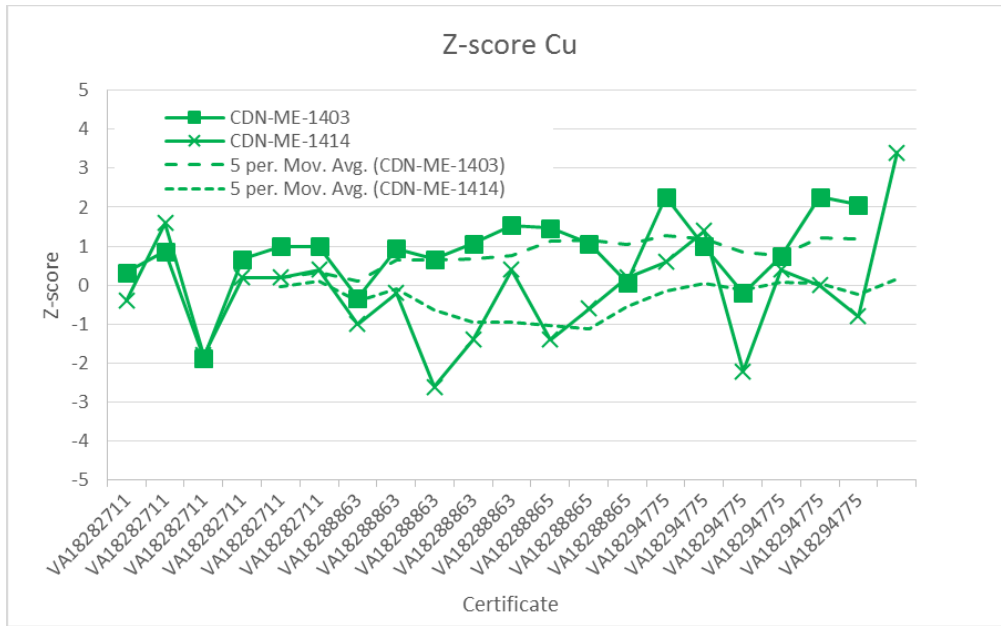


Chart 4: Control chart for Cu indicating all standard reference material in the core sample stream

The moving average for the Cu z-score indicated a slight under-reporting of Cu in CDN-ME-1414 and a slight over-reporting in CDN-ME-1403. Sample X967535 (CDN-ME-1414) has a Cu z-score that falls outside the z-score control limit for Cu(3.4), Pb(3.7) and Zn(6.3) and outside the warning limit for Ag(2.4). It is not readily apparent why sample X967535 fails the analytical accuracy test. Systematic over-reporting of base metals does not rule out contamination as the cause.

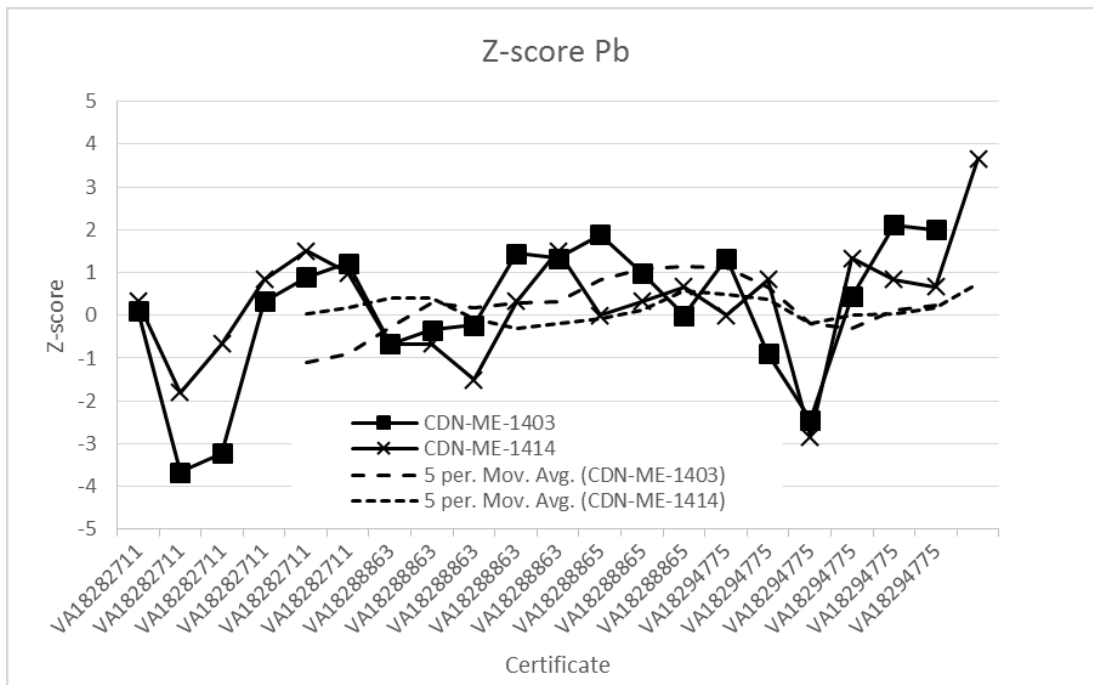


Chart 5: Control chart for Pb indicating all standard reference material in the core sample stream

Samples X966854 and X966890, both CDN-ME-1403 standards, have z-scores of -3.7 and -3.2 respectively and fall outside the control limit; they should be reanalysed. Other elements of interest analyzed in these samples fall within the warning limit. Sample X967535 has a Pb z-score of 3.7 and again fails the analytical accuracy test.

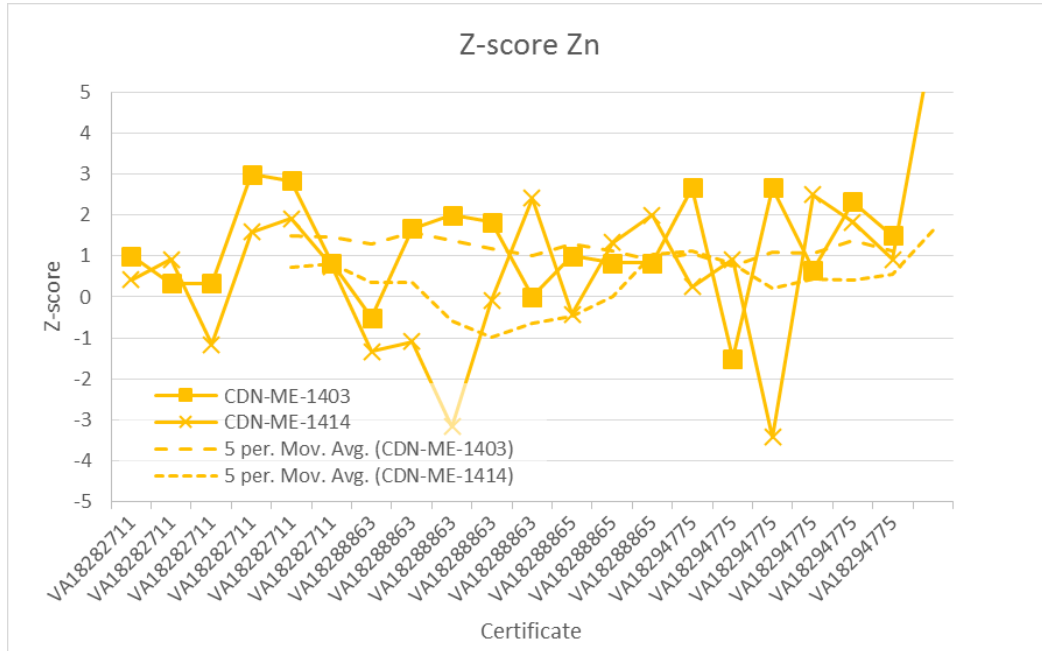


Chart 6: Control chart for Zn indicating all standard reference material in the core sample stream

Samples X966926, X967131, X967400 and X967535 all have Zn z-scores that fall outside the control limit set by the accuracy test. The analytical results of sample X967400 indicates that all base metal z-scores are negative; Cu and Pb are exceed the warning limit and Zn exceeds the control limit. Results of sample X967535 indicate that base metal z-scores are all positive and all exceed the control limit.

Table 3 shows the z-score for 205 analyses of elements of interest for 41 standard samples. Of those 205 analyses: 10 (equivalent to 4.9%) of the results fell outside the control limit and; 21 (equivalent to 10.2%) fell within the warning and control limits. 3.0% of the values reported for elements of interest for CDN-ME-1403 fail the z-score analysis compared to 6.7% for CDN-ME-1414. In general, the [non-ferrous] base metals show more variability in their analyses when compared against precious metals Au and Ag. The z-score analysis indicates that a slightly greater analytical accuracy is achieved by the standard CDN-ME-1403 relative to CDN-ME-1414.

Table 5: Z-score data table for review analytical accuracy of standard sample performance. Yellow shaded values exceed the z-score warning limit and red shaded values exceed the control limit.

	Certificate_ID	Hole_ID	Sample_ID	Au	Ag	Cu	Pb	Zn
CDN-ME-1403	VA18282711	DDH-18-001	X966818	-0.974	0.852	0.333	0.111	1.000
	VA18282711	DDH-18-001	X966854	-0.692	0.148	0.867	-3.667	0.333
	VA18282711	DDH-18-001	X966890	-0.462	-1.037	-1.867	-3.222	0.333
	VA18282711	DDH-18-001	X966926	-0.462	1.741	0.667	0.333	3.000
	VA18282711	DDH-18-001	X966962	-0.231	0.556	1.000	0.889	2.833
	VA18282711	DDH-18-001	X966998	0.103	1.519	1.000	1.222	0.833
	VA18288863	DDH-18-002	X967034	0.974	1.889	-0.333	-0.667	-0.500
	VA18288863	DDH-18-002	X967068	-0.051	1.259	0.933	-0.333	1.667
	VA18288863	DDH-18-002	X967104	0.487	0.370	0.667	-0.222	2.000
	VA18288863	DDH-18-002	X967140	0.077	1.519	1.067	1.444	1.833
	VA18288863	DDH-18-002	X967176	-0.103	1.630	1.533	1.333	0.000
	VA18288865	DDH-18-002	X967212	1.308	0.852	1.467	1.889	1.000
	VA18288865	DDH-18-002	X967248	-0.128	1.296	1.067	1.000	0.833
	VA18288865	DDH-18-002	X967284	-0.205	0.222	0.067	0.000	0.833
	VA18294775	DDH-18-003	X967338	-0.872	1.407	2.267	1.333	2.667
	VA18294775	DDH-18-003	X967373	-0.436	0.000	1.000	-0.889	-1.500
	VA18294775	DDH-18-003	X967409	-0.026	0.111	-0.200	-2.444	2.667
	VA18294775	DDH-18-003	X967445	-0.333	1.333	0.733	0.444	0.667
VA18294775	DDH-18-003	X967481	0.795	1.963	2.267	2.111	2.333	
VA18294775	DDH-18-003	X967508	1.308	1.778	2.067	2.000	1.500	
CDN-ME-1414	VA18282711	DDH-18-001	X966809	-0.538	-0.750	-0.400	0.333	0.417
	VA18282711	DDH-18-001	X966845	-0.385	-1.250	1.600	-1.800	0.917
	VA18282711	DDH-18-001	X966881	1.231	-1.083	-1.800	-0.667	-1.167
	VA18282711	DDH-18-001	X966917	0.000	1.667	0.200	0.833	1.583
	VA18282711	DDH-18-001	X966953	-0.154	0.250	0.200	1.500	1.917
	VA18282711	DDH-18-001	X966989	0.462	2.250	0.400	1.000	0.750
	VA18288863	DDH-18-002	X967025	2.538	-1.083	-1.000	-0.667	-1.333
	VA18288863	DDH-18-002	X967095	-0.154	0.167	-0.200	-0.667	-1.083
	VA18288863	DDH-18-002	X967131	0.385	-1.750	-2.600	-1.500	-3.167
	VA18288863	DDH-18-002	X967167	0.538	-0.583	-1.400	0.333	-0.083
	VA18288865	DDH-18-002	X967203	-0.077	-0.500	0.400	1.500	2.417
	VA18288865	DDH-18-002	X967239	2.923	-1.750	-1.400	0.000	-0.417
	VA18288865	DDH-18-002	X967275	3.000	-0.667	-0.600	0.333	1.333
	VA18288865	DDH-18-002	X967311	0.769	-0.833	0.200	0.667	2.000
	VA18294775	DDH-18-003	X967329	1.385	-0.750	0.600	0.000	0.250
	VA18294775	DDH-18-003	X967364	14.077	-1.000	1.400	0.833	0.917
	VA18294775	DDH-18-003	X967400	-0.154	-1.750	-2.200	-2.833	-3.417
	VA18294775	DDH-18-003	X967436	0.308	-0.917	0.400	1.333	2.500
VA18294775	DDH-18-003	X967472	1.385	0.417	0.000	0.833	1.833	
VA18294775	DDH-18-003	X967499	1.308	-0.333	-0.800	0.667	0.917	
VA18294775	DDH-18-003	X967535	-0.538	2.417	3.400	3.667	6.333	

Analytical Precision: Duplicate Analysis

Field duplicates are samples that are taken from the same field location as an original sample. In the case of drill core in this project, sawn half core was quartered and quarter samples were inserted into the sample stream for analysis. Field duplicates are used to measure the reproducibility of sampling, which includes sample and laboratory variation. Duplicate-pairs will contain cumulative error associated with

the sampling and analytical process. One quarter of the QAQC-samples were field duplicate-pairs. Field duplicate-pairs were inserted into the sample stream at a rate of approximately 1 every 36 samples. A total of 19 field duplicate-pairs were collected. A total of 12 duplicate-pairs were prepared by the laboratory by making a second pulp from the same reject, these duplicate pairs are hereafter referred to as preparation duplicate-pairs or prep-dups.

Absolute Relative Difference vs. Rank

Acceptable analytical precision for [non-ferrous] base metals in duplicate-pairs from drill core would be 90% of samples having a precision of 30% or greater. A poorer precision would be expected for precious metals, particularly Au, due to the nugget effect. Therefore, acceptable analytical precision for precious metals would be 90% of samples having a precision of 40% or greater. For prep-dups, an acceptable level of precision for base metals would be 90% of samples having a 20% precision or greater, and 30% for precious metals. The charts below illustrate Absolute Relative Difference (ARD %) vs. the rank of duplicate pairs.

Equation 2.
$$ARD (\%) = \left| \frac{(\text{Duplicate Value} - \text{Original Value})}{\text{Original Value}} \right| \cdot 100\%$$

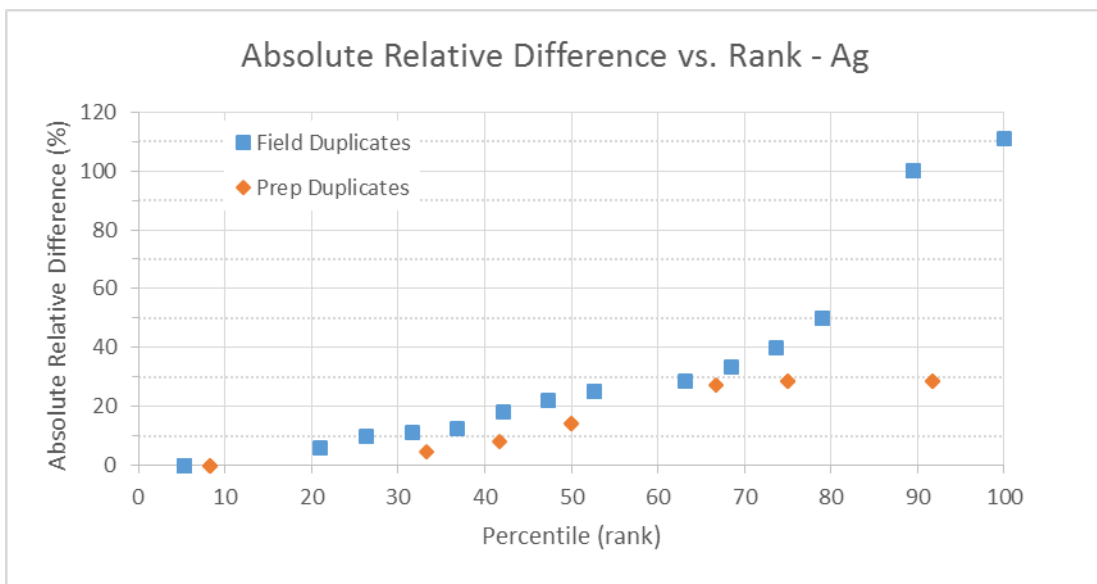


Chart 7: Absolute relative difference (ARD%, a proxy for precision) versus duplicate-pair mean concentration for Ag. The chart is read: 90% of field duplicates have a precision of ~100% or better and 90% of prep duplicates have a precision of ~30% or better.

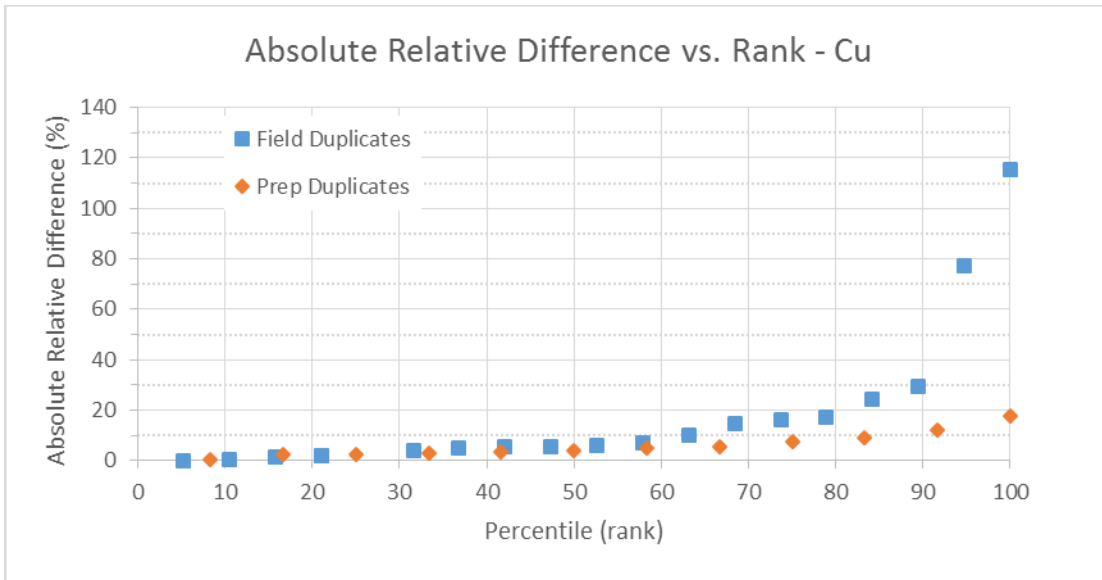


Chart 8: Absolute relative difference (ARD%, a proxy for precision) versus duplicate-pair mean concentration for Cu. The chart is read: 90% of field duplicates have a precision of ~30% or better and 90% of prep duplicates have a precision of ~10% or better.

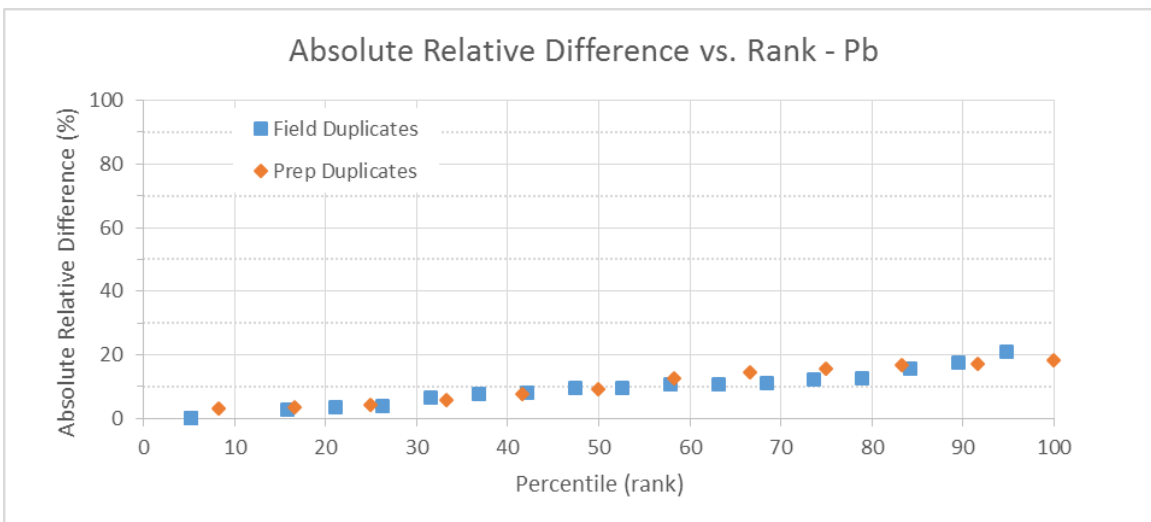


Chart 9: Absolute relative difference (ARD%, a proxy for precision) versus duplicate-pair mean concentration for Pb. The chart is read: 90% of field duplicates have a precision of ~20% or better and 90% of prep duplicates have a precision of ~20% or better.

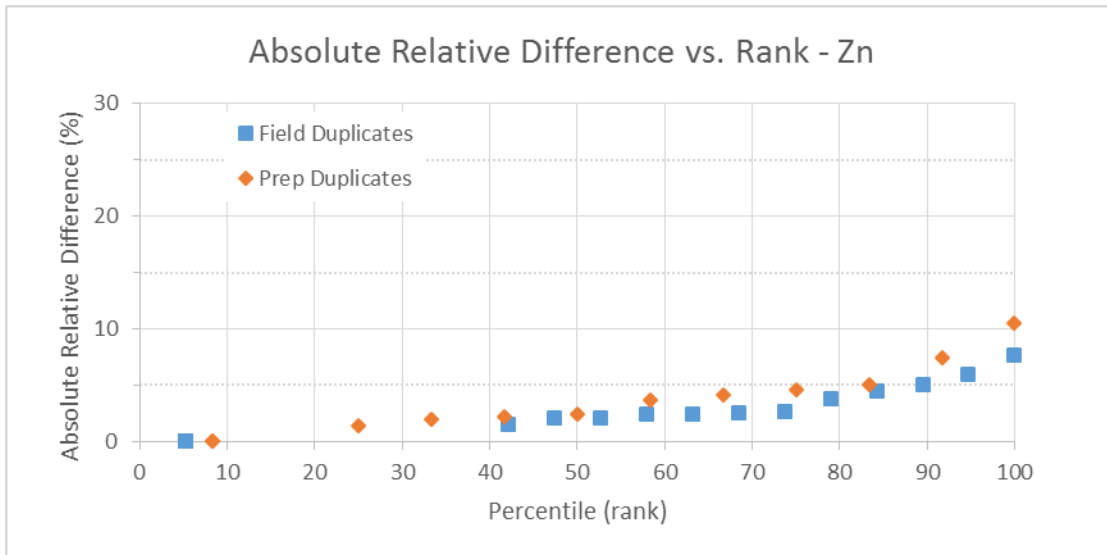


Chart 10: Absolute relative difference (ARD%, a proxy for precision) versus duplicate-pair mean concentration for Zn. The chart is read: 90% of field duplicates have a precision of ~5% or better and 90% of prep duplicates have a precision of ~5% or better.

Field and prep duplicate-pairs have insufficient data to use the ARD % vs. rank. Ag shows poor reducibility in the field duplicate-pairs only (Chart 7). The reproducibility of Cu values in field and prep duplicate-pairs is acceptable (Chart 8). Pb and Zn values show excellent reproducibility in both field and prep duplicate-pairs (Charts 9-10).

Only two of the prep duplicate-pairs and four field duplicate-pairs have both values above the detection limit for Au. The paucity of valid duplicate-pair values for Au renders the ARD vs. rank statistically insignificant; however, an ARD % vs. Mean Concentration (x) chart can illustrate the precision of Au analytics. Additional charts of ARD % vs. x are presented below for Ag, Cu, Pb, and Zn to further demonstrate the level of precision obtained in this sample stream.

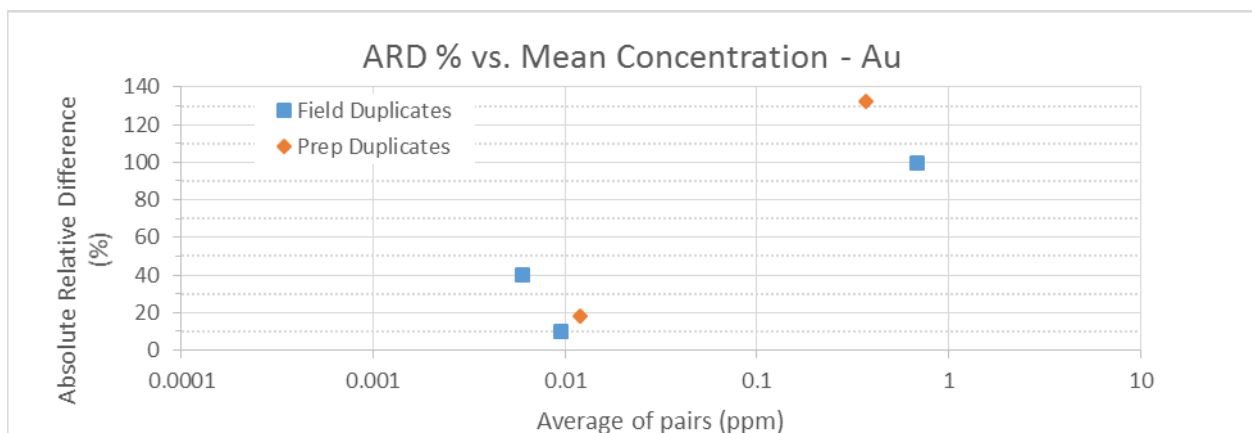


Chart 12: Variance of precision with concentration, plotting ARD % versus field and prep duplicate-pair mean concentration for Au.

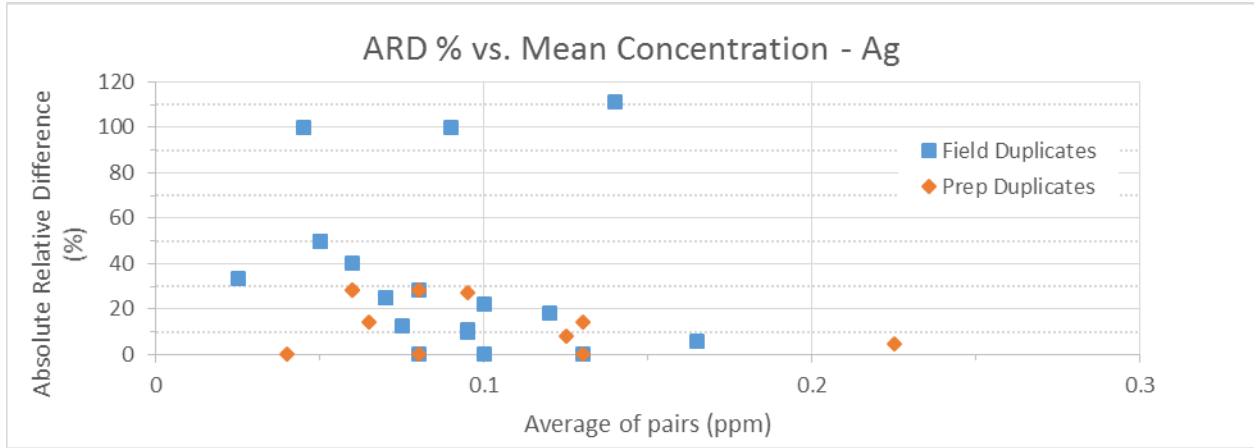


Chart 13: Variance of precision with concentration. ARD % versus field and prep duplicate-pair mean concentration for Ag.

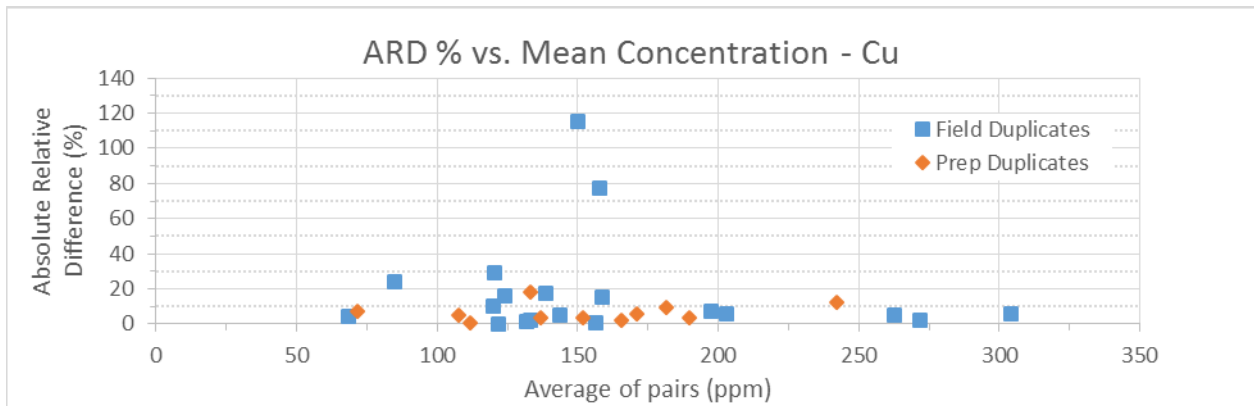


Chart 14: Variance of precision with concentration. ARD % versus field and prep duplicate-pair mean concentration for Cu.

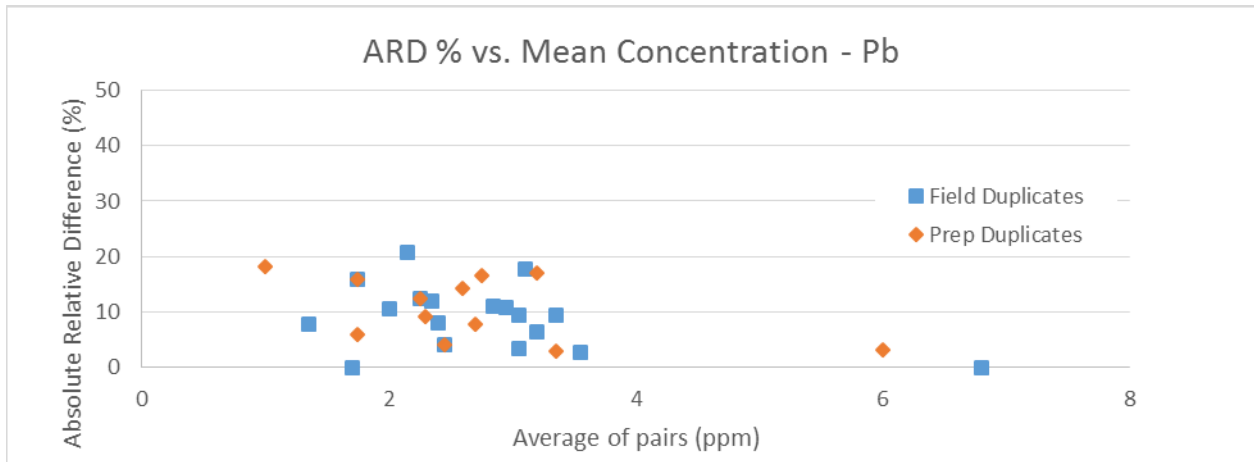


Chart 15: Variance of precision with concentration. ARD % versus field and prep duplicate-pair mean concentration for Pb.

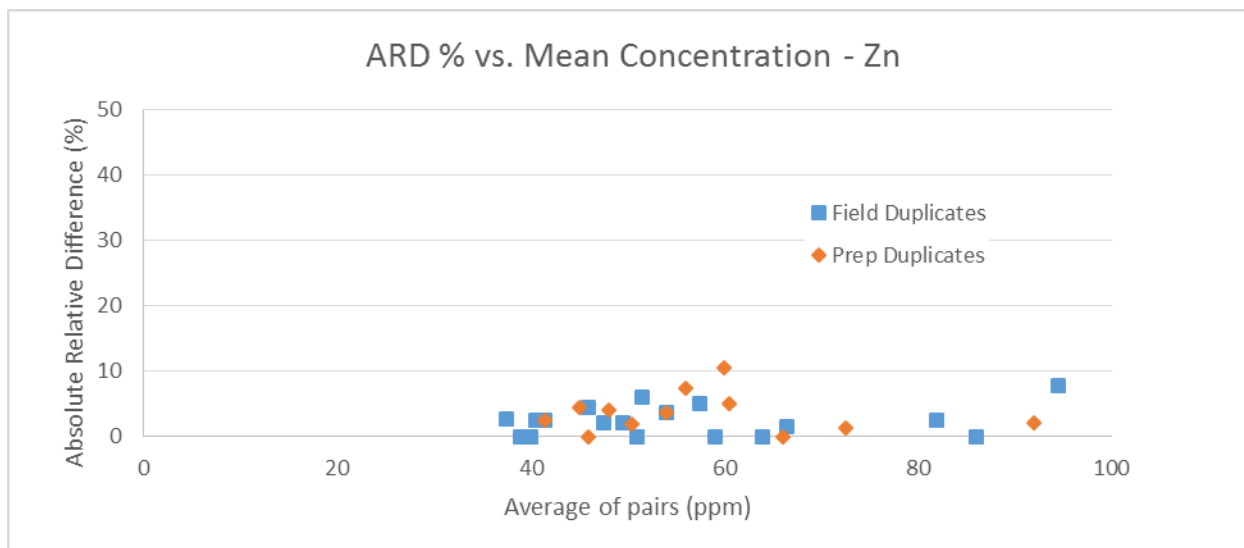


Chart 16: Variance of precision with concentration. ARD % versus field and prep duplicate-pair mean concentration for Zn.

QAQC Conclusions

- Sampling methodology in the field and laboratory analysis is acceptable.
- There is no evidence of tampering with the samples between collection and laboratory.
- Blank standard values suggest contamination at the laboratory is negligible.
- CDN-BL-10 has Cu, Pb, and Zn concentrations similar to drill core samples.
- Sample X967364 (CDN-ME-1414) failed the accuracy test for Au.
- Sample X967535 (CDN-ME-1414) failed the accuracy tests for Cu, Pb and Zn.
- Samples X966854 and X966890, both CDN-ME-1403 failed the accuracy test for Pb.
- Samples X966926, X967131, and X967400 failed the accuracy test for Zn.
- Analytical accuracy of Au detection is acceptable, pending recommendation 2.
- Analytical accuracy of Ag detection is acceptable.
- Analytical accuracy of Cu, Pb and Zn is acceptable, pending recommendations 3 and 4.
- The lab's analytical accuracy of CDN-ME-1403 is slightly better than CDN-ME-1414.
- A weak over-reporting of Ag, Cu, Pb and Zn is observed for CDN-ME-1403.
- A weak under-reporting of Ag, Cu, Pb and Zn is observed for CDN-ME-1414.
- Reproducibility (analytical precision) of Au concentration in field and prep duplicate-pairs is poor; see recommendation 5.
- Reproducibility of Ag in the field duplicate-pairs is poor though it is acceptable in the prep duplicate-pairs; see recommendation 5.
- Reproducibility of Cu, Pb, and Zn in both the field and prep duplicate-pair analyses is acceptable.
- Analytical precision is lowest for low concentrations of Ag and Pb.

QAQC Recommendations

1. Replace the blank CDN-BL-10 with one that has lower Cu, Pb and Zn concentrations.
2. Re-analysis of sample X967364 and three pulps on either side.
3. Re-analysis of sample X967535 and three pulps on either side.
4. Re-analysis of samples X966854, X966890, X966926, X967131, and X967400.
5. Analytical precision of Au and Ag will improve if the core diameter size is increased from NQ to HQ. This would reduce the inhomogeneity [nugget] effect.

In future drilling campaigns the standards used for analytical accuracy should be changed for standards that have concentrations of the elements of interest more similar to those observed in this sample stream.

Discussion of Results

Compilation of historical results coupled with a new interpretation has yielded highly prospective drill targets within a potentially large-scale mineralized Au-Cu porphyry system known as the Nova Zone. The Nova Zone covers an area potentially 3.5 km by 1 km and encompasses a quartz monzonite porphyritic intrusion complex with consistently anomalous gold and copper values and an extensive oxidized iron sulphide (gossan) region covering the mapped intrusion.

The Nova Zone is characterized by intrusive phases of pyroxene and hornblende phyric monzonite and quartz monzonite breccia, fine grained diorite and augite porphyritic diorite. Mineralization consists of disseminated and replacement style, semi-massive to massive stringer sulphides composed of pyrrhotite, chalcopyrite and lesser pyrite. Diorite dykes show a preference for massive sulphide style mineralization, whereas disseminated sulphides are ubiquitous throughout the intrusive phases.

Highlights from the 2018 drilling campaign are presented in Table 6 and Figures 6, 7 and 8.

Table 6. Highlights of 2018 Drilling

Hole Number	Azimuth	Dip	From (Metres)	To (Metres)	Interval* (Metres)	Gold (g/t)	Copper (%)	Silver (g/t)	CuEq ² (%)
DDH-18-001	135	-60	16.2	28	11.8	0.21	0.07	0.35	0.21
<i>and</i>			58.04	71.09	13.05	0.10	0.15	0.81	0.22
DDH-18-002	180	-60	82.5	115.15	32.65	0.59	0.14	0.60	0.52
<i>including</i>			82.5	98.54	16.04	0.37	0.18	0.79	0.43
<i>including</i>			106.5	115.15	8.65	1.52	0.15	0.69	1.13
DDH-18-003	225	-60	No Significant Intercepts						
Assumptions: Metals prices at April 29, 2019; USD\$1278/oz Au; \$14.77/oz Ag; 2.90/lb Cu									

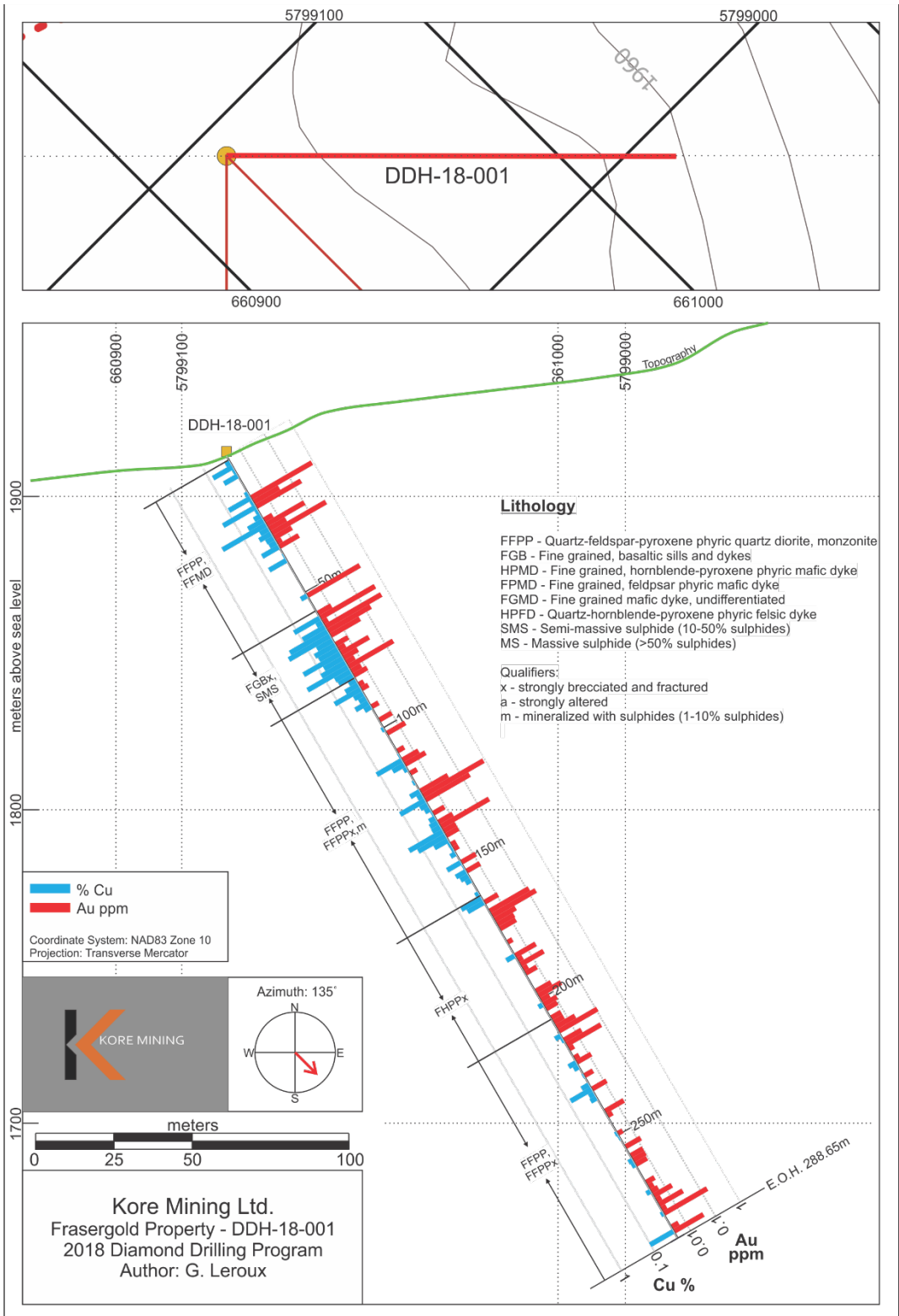


Figure 6. DDH-18-001 Cross Section with Gold and Copper Assay Values

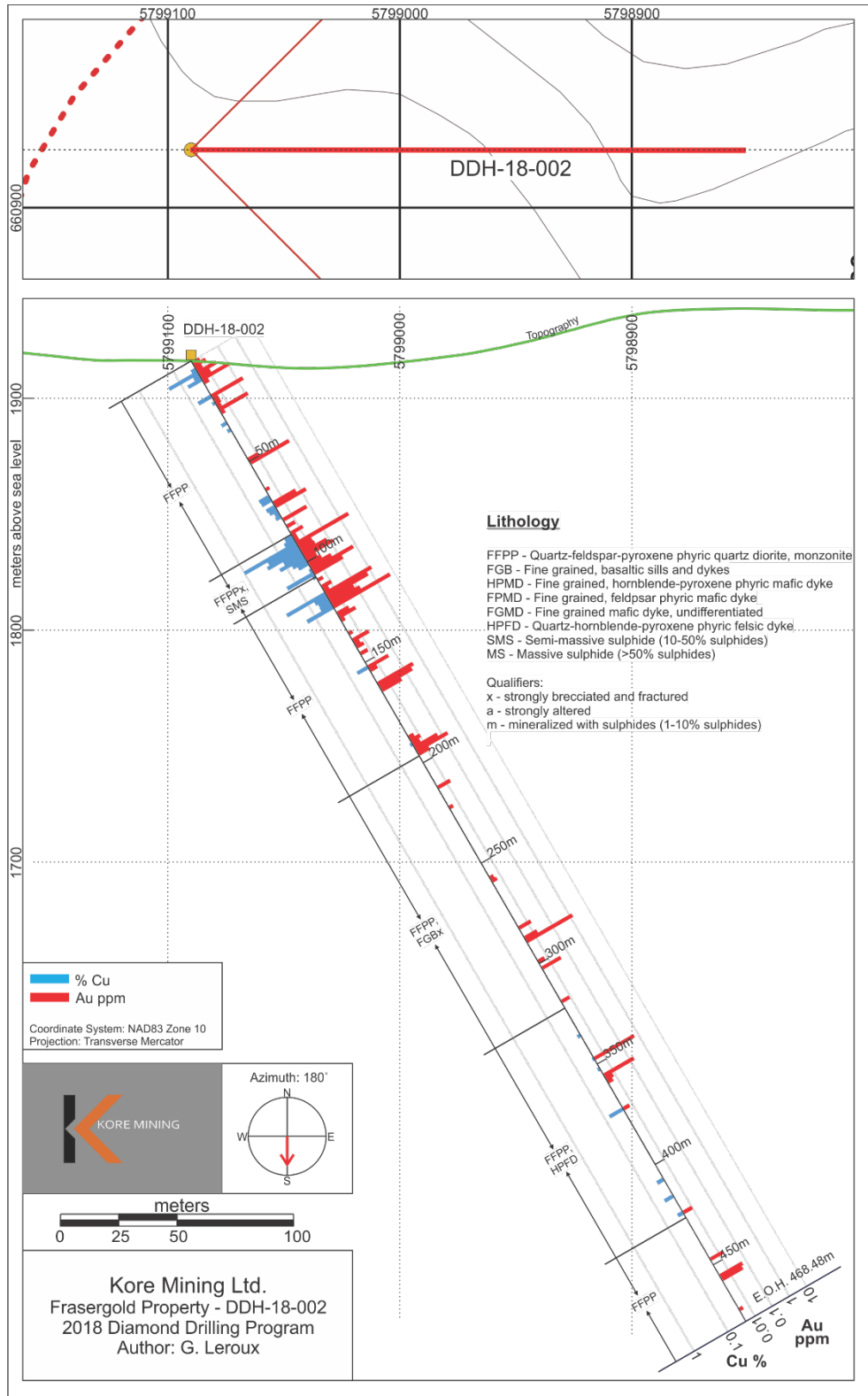


Figure 7. DDH-18-002 Cross Section with Gold and Copper Assay Values

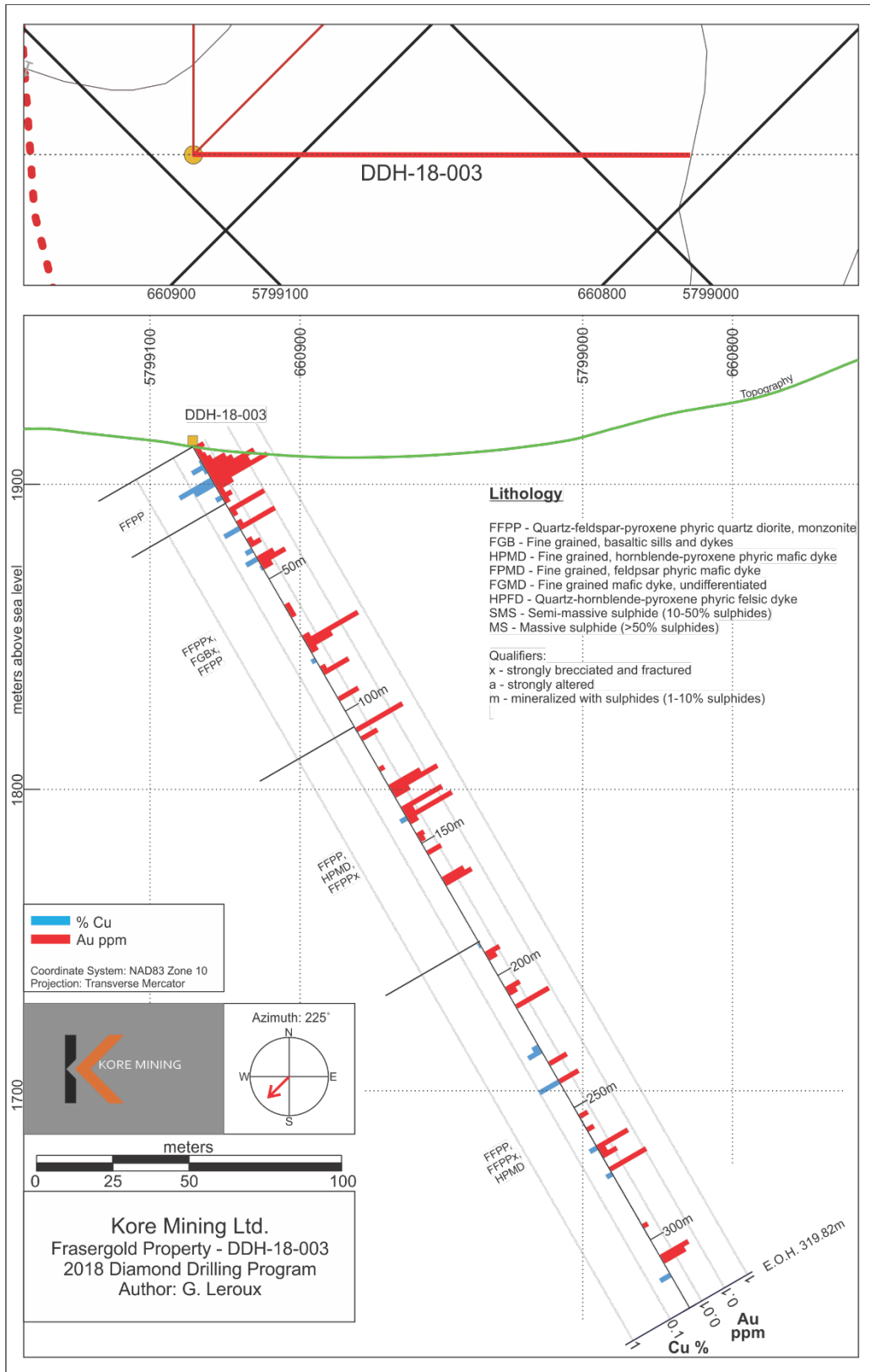


Figure 8. DDH-18-003 Cross Section with Gold and Copper Assay Values

Conclusions

The Nova Zone represents a new target on the Frasergold property. The main objectives for the 2018 diamond drilling program was to test the mineralization potential of an EM anomaly coincident with a porphyry intrusion contact and significant Fe-sulphide oxide staining at surface in the Nova Zone. Drilling successfully intersected sheeted massive sulphide bodies that dip towards the core of the intrusion. The targeted contact was not directly intersected by drilling and re-interpretation of the geological data suggests drilling azimuths were directed along and away from the projected contact. Anomalous gold and copper assay values were returned from sulphide-rich drill intersections. Encouraging results from the drill assay are expected to lead to recommendations for future exploration in the Nova Zone and Eureka Peak Zone.

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Graham Leroux / Exploration Manager	2018-10-29 to 2018-11-19, Core processing	22	\$750.00	\$17,325.00	
George Pietrusinski / Geotech	2018-10-29 to 2018-11-20, Core processing	22.5	\$550.00	\$12,993.75	
Cody Gustafsson	2018-10-29 to 2018-11-20, Core processing	22.5	\$500.00	\$11,812.50	
Brock Reidell	2018-10-29 to 2018-10-30, 2018, Core Review	1.25	\$800.00	\$1,050.00	
				\$43,181.25	\$43,181.25
Office Studies	List Personnel (note - Office only, do not include field days)				
Literature search	billed from Reidell Exploration Services Ltd.	2.0	\$800.00	\$1,680.00	
Computer modelling, targeting	billed from Influential Ideas	1.0	\$2,125.00	\$2,125.00	
Computer modelling, targeting	billed from Influential Ideas	1.0	\$2,805.00	\$2,805.00	
Computer modelling, targeting	billed from Arc Geosciences Group Inc.	1.0	\$318.75	\$318.75	
Computer modelling, targeting	billed from Arc Geosciences Group Inc.	1.0	\$289.50	\$289.50	
GIS support, interpretation	prepayment billed from Influential Ideas	1.0	\$5,000.00	\$5,000.00	
GIS support, interpretation	billed from Influential Ideas	1.0	\$2,854.00	\$2,854.00	
Report preparation	billed from Reidell Exploration Services Ltd.	2.8	\$800.00	\$2,310.00	
				\$17,382.25	\$17,382.25
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Drill (cuttings, core, etc.)	Drill assay samples, three shipments - billed from ALS	741.0	\$40.57	\$30,064.22	
				\$30,064.22	\$30,064.22
Drilling	No. of Holes, Size of Core and Metres	No.	Rate	Subtotal	
Diamond	3 holes, NQ size core, 1077 m, billed from J.T. Thomas Drilling	1077.0	\$110.43	\$118,929.23	
Equipment Mobilization	Contracted from Coughran, Inv 135	1.0	\$30,000.00	\$31,500.00	
				\$150,429.23	\$150,429.23
Transportation	Details	No.	Rate	Subtotal	
Work site truck rental	Pick-up truck #1, Ridgeline Exploration, Geology Crew	22.00	\$100.00	\$2,310.00	
Work site truck rental	Pick-up truck #2, Ridgeline Exploration, Geology Crew	22.00	\$100.00	\$2,310.00	
Kilometers	4010 km, Ridgeline Exploration, Geology Crew	4010.00	\$0.65	\$2,736.83	
Fuel/oil	For rental vehicles to and from site	1.00	\$2,158.76	\$2,158.76	
Airfare	Site visits, contractor airfare to field	1.00	\$8,894.03	\$8,894.03	
Taxi	Travel to/from airports, accomodations	1.00	\$634.31	\$634.31	
Car rental (Site access)	Car/truck rental for site visits	1.00	\$4,254.85	\$4,254.85	
Helicopter (hours)	Oct 17 - 24, 2018, Yellowhead helicopters (27 hours)	27.00	\$1,733.60	\$49,147.56	
Helicopter fuel (litres/hour)	Oct 17 - 24, 2018, Yellowhead helicopters (148 litres/hour)	3996.00	\$2.50	\$10,489.50	
Helicopter (consumables)	Oct 17 - 24, 2018, Yellowhead helicopters	1.00	\$1,305.00	\$1,370.25	
Helicopter (hours)	Oct 13 - 16, 2018, Yellowhead helicopters (11 hours)	11.00	\$1,733.60	\$20,023.08	
Helicopter fuel (litres/hour)	Oct 13 - 16, 2018, Yellowhead helicopters (160 litres/hour)	1632.00	\$2.50	\$4,284.00	
Helicopter fuel (litres/hour)	Oct 13, 2018, Yellowhead helicopters (160 litres/hour)	128.00	\$1.65	\$221.76	
Helicopter (consumables)	Oct 13 - 16, 2018, Yellowhead helicopters	1.00	\$324.00	\$340.20	
Other (repairs)	Trailer repair (Likely Service Repair)	1.00	\$495.33	\$495.33	
Other (Road grading)	2018-07-31, billed from Ken's Custom Grading	1.00	\$11,477.80	\$11,477.80	
Other (Road grading)	2018-10-02, billed from Ken's Custom Grading	1.00	\$322.95	\$322.95	
Other (Camp Move)	2018-08-01 to 2018-09-19, Eldorado Log Hauling	1.00	\$9,120.00	\$9,120.00	
				\$130,591.21	\$130,591.21
Accommodation & Food	Rates per day				
Hotel	Monthly cabin rental, Oct 2018, Crooked Lake Lodge - Drill Crew	1.00	\$1,967.00	\$2,065.35	
Hotel	Monthly cabin rental, Nov 2018, Northern Lights Lodge - Geology Crew	1.00	\$2,000.00	\$2,000.00	
Hotel	Drill crew (4 people) travel nights in hotels, average group rates listed	4.00	\$1,296.30	\$5,185.20	
Hotel	Kore employees travel nights, average cost/night listed	7.00	\$130.13	\$910.94	
Meals - Drill Crew	2018-11-19, billed as group from Crooked Lake Lodge	1.00	\$3,512.25	\$3,687.86	
Meals - Geology Crew	Actual costs between 2018-10-29 to 2018-11-20	1.00	\$1,725.52	\$1,725.52	
Meals - Company Executives	Actual costs between 2018-09-06 to 2018-12-31	1.00	\$857.62	\$857.62	
				\$16,432.49	\$16,432.49
Miscellaneous	Details				
Other (Specify)	Field gear purchases (Deakin Outfitting)	1.00	\$1,158.88	\$1,158.88	
Other (Specify)	Extra Generator and Wifi - Crooked Lake Lodge	1.00	\$800.00	\$840.00	
				\$1,998.88	\$1,998.88
Equipment Rentals	Details				
Field Gear (Specify)	Husqvarna 5HP core saw	22.00	\$75.00	\$1,732.50	
Field Gear (Specify)	Consumables, core cutting gear, saw blades	22.00	\$25.00	\$577.50	
Other (Specify)	XRF Rental	1.00	\$2,094.40	\$2,199.12	
				\$4,509.12	\$4,509.12
Freight, rock samples	Details				
Other (specify)	Freight charges - billed from ALS	1.0	\$538.29	\$538.29	
Other (specify)	Freight charges - billed from ALS	1.0	\$340.69	\$340.69	
Other (specify)	Freight charges - billed from ALS	1.0	\$340.18	\$340.18	
				\$1,219.16	\$1,219.16
TOTAL Expenditures					\$395,807.81

6. Certificate of Author

I, Graham M. Leroux, M.Sc., P.Geo. do hereby certify that:

1. I am a Consulting Geologist for:

Kore Mining Ltd.,
#1601 - 277 Thurlow Street
Vancouver, British Columbia, V6C 0C1

2. I am a graduate of the University of Victoria (B.Sc. Hons. Earth Sciences 2010), and a graduate of the University of British Columbia (M.Sc., Geological Sciences 2016).

3. I am a *Professional Geologist (P.Geo.)* member in good standing with Engineers and Geoscientists of British Columbia (Member # 156703, License #45258).

4. I have practiced my profession in mineral exploration continuously since April 2010. I have worked as field geologist, senior geologist and consulting geologist for numerous exploration companies in Canada, United States of America and Turkey. I have expertise in exploration for precious and base-metal ore deposits.

5. I have been involved with the exploration of the property that is the subject of this Assessment Report since October 30th, 2018. I am responsible for logging and processing core from the three drill holes reported here. Additionally, I prepared the QAQC report on the drill assay results. I have reviewed the current digital data available for the Frasergold property and recommended future exploration plans. My last visit to the property was June 30 – July 12, 2019.

6. Prior to my involvement outlined above, I have had no other involvement with the Frasergold property.

7. I am responsible for the report titled "***Diamond Drill Program Assessment Report for 2018, Frasergold Property, Williams Lake Area, British Columbia***" and dated August 9, 2019.

8. As the date of this Certificate, to my knowledge, information and belief, this Assessment Report contains all scientific and technical information that is required to be disclosed to make the Assessment Report not misleading.

9. I am currently independently employed as a Professional Geologist, and do not own shares of Kore Mining Ltd.

Dated this 9th day of August, 2019.



Graham M. Leroux, M.Sc., P.Geo.

7. References

Askew, 1991, 'Updated 1991 pre-feasibility study on the Frasergold property': report for Asarco Inc., James Askew Associates Inc.

Bloodgood, M.A., 1987, 'Deformational history, stratigraphic correlations and geochemistry of Eastern Quesnel Terrane rocks in the Crooked Lake area, Central British Columbia': Masters Thesis, University of British Columbia

Campbell, K.V., 1989, 'Summary report on the Frasergold project' for Eureka Resources, Inc., K.V. Campbell and Associates Ltd.

Campbell, K.V., Gruenwald, W., Walters, L. and Schatten, M., 1991; 'Results of the 1991 exploration program', prepared for Asarco Inc. and Eureka Resources Inc., K.V. Campbell and Associates Ltd.

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Goldfarb, R.J., Leach, D.L., Miller, M.L., and Pickthorn, W.J., 1986, Geology, metamorphic setting, and genetic constraints of epigenetic lode-gold mineralization within the Cretaceous Valdez Group, southcentral Alaska: Geological Association of Canada Special Paper 32

Marchant, P.B., 1985, 'Frasergold property, interim summary': prepared for Eureka Resources Inc., Coastech Research Inc.

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Rhys, D.A., 2007; Frasergold property field observations and report review; memo prepared for Hawthorne Gold Corp., September 10, 2007; 21 pp.

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Sparling J., Hawthorne Gold Corporation, and K.V. Campbell, Earth Resource Surveys Incorporated. NI 43-101 Technical Report SUMMARY REPORT AND EXPLORATION PROPOSAL ON THE FRASERGOLD PROJECT, Cariboo Mining Division, BC, January 31, 2008.

Whitehead, K., 2016, Geochemical Sampling and Geophysics Interpretation Program: Assessment Report for 2016, Frasergold Property, Williams Lake Area, British Columbia. Prepared for Eureka Resources Inc. Event Number: 5634755. Date Submitted: Feb 26th, 2017.

APPENDIX 1 – QAQC Reference Standard Certificates

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

REFERENCE MATERIAL: CDN-BL-10

Recommended value and the "Between Laboratory" two standard deviations

Gold	<0.01 g/t	Certified value	30g FA / Instrumental
Platinum	<0.01 g/t	Certified value	30g FA / Instrumental
Palladium	<0.01 g/t	Certified value	30g FA / Instrumental

PREPARED BY: CDN Resource Laboratories Ltd.
 CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
 INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
 DATE OF CERTIFICATION: January 16th, 2019

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-BL-10 was prepared using a blank granitic material.

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200-mesh screen. The +200 material was discarded. The -200 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 15 commercial laboratories for round robin assaying.

ASSAY PROCEDURES:

Au, Pt, Pd: 30 gr Fire assay pre-concentration, AA or ICP finish.
 Whole rock analysis and 30 element ICP analysis (4-acid digestion) were also conducted on 5 samples.

APPROXIMATE CHEMICAL COMPOSITION (by whole rock analysis):

	Percent		Percent
SiO ₂	70.5	Na ₂ O	4.5
Al ₂ O ₃	14.0	MgO	0.9
Fe ₂ O ₃	3.9	K ₂ O	1.9
CaO	2.4	TiO ₂	0.3
MnO	<0.1	LOI	1.2
Total S	<0.1	Total C	<0.1

STATISTICAL PROCEDURES:

There was no statistical analysis performed on the data.

PARTICIPATING LABORATORIES: (not in same order as table of assays)

ALS, Perth Australia	Certimin S.A., Lima, Peru
ALS, Lima, Peru	MS Analytical, Langley, BC, Canada
ALS, Loughrea, Ireland	SGS, Vancouver, BC, Canada
ALS Canada, North Vancouver, BC, Canada	SGS, Lima, Peru
ALS, Reno, USA	SGS, Lakefield, Ontario, Canada
Bureau Veritas, Reno, USA	Skyline Assayers & Laboratories, AZ, USA
Bureau Veritas, Perth, Australia	TSL Laboratories Ltd., Saskatoon, SK, Canada
Bureau Veritas, Vancouver, BC, Canada	

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-1403

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.954 g/t ± 0.078 g/t</i>	<i>Certified value</i>
<i>Silver</i>	<i>53.9 g/t ± 5.4 g/t</i>	<i>Certified value</i>
<i>Copper</i>	<i>0.448 % ± 0.030 %</i>	<i>Certified value</i>
<i>Lead</i>	<i>0.414 % ± 0.018 %</i>	<i>Certified value</i>
<i>Zinc</i>	<i>1.34 % ± 0.06 %</i>	<i>Certified value</i>

Note: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: April 21, 2014

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Farallon Resources from their Campo Morado property in Mexico. The Campo Morado precious-metal-bearing, volcanogenic massive sulphide deposits occur in a lower Cretaceous bimodal, calc-alkaline volcanic sequence. Most deposits occur in the upper part of a sequence of felsic flows and heterolithic volcanoclastic rocks or at its contact with overlying chert and argillite. Gold, silver, zinc, and lead are associated with pyrite, quartz, ankerite, sphalerite, chalcocopyrite and galena, with minor tennantite-freibergite, arsenopyrite, and pyrrothite.

Approximate chemical composition (from whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	30.4	MgO	1.8
Al ₂ O ₃	4.3	K ₂ O	0.6
Fe ₂ O ₃	30.9	TiO ₂	0.2
CaO	2.9	LOI	25.9
Na ₂ O	0.1	S	20.5
C	1.4		

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

REFERENCE MATERIAL: CDN-ME-1414

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.284 g/t</i>	<i>±</i>	<i>0.026 g/t</i>	<i>Certified value</i>
<i>Silver</i>	<i>18.2 g/t</i>	<i>±</i>	<i>1.2 g/t</i>	<i>Certified value</i>
<i>Copper</i>	<i>0.219 %</i>	<i>±</i>	<i>0.010 %</i>	<i>Certified value</i>
<i>Lead</i>	<i>0.105 %</i>	<i>±</i>	<i>0.006 %</i>	<i>Certified value</i>
<i>Zinc</i>	<i>0.732 %</i>	<i>±</i>	<i>0.024%</i>	<i>Certified value</i>

Note 1: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: February 20, 2015

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-ME-1414 is made from ore supplied by MMG (Minerals & Metals Group). The ore is described as massive to semi-massive sulphides from an archean aged VMS deposit in the Slave structural province of Canada. It consists of pyrite, pyrrhotite, chalcopyrite, sphalerite and minor galena. Gangue minerals include quartz, chlorite, feldspar, cordierite, biotite, magnetite, anthophyllite and grunerite.

Approximate chemical composition (from whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	62.0	MgO	4.6
Al ₂ O ₃	6.5	K ₂ O	0.6
Fe ₂ O ₃	13.2	TiO ₂	0.2
CaO	3.2	LOI	8.0
Na ₂ O	0.1	S	7.0
C	1.3		

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

APPENDIX 2 – Lithological Drill Logs

DDH-18-001

DDH-18-001 Lithological Drill Log		
From_m	To_m	Description
0	0.85	Overburden, no recovery
0.85	3.63	Coherent fragmental, medium grained crowded pxn (augite) phyric syeno-dioritic groundmass supports subrounded lapilli-sized frags of fine grained pxn-phyric andesite/diorite. Fragments are typically weakly silicified and bleached to a lighter green colour. Groundmass is massive and supports poorly foliated to randomly distributed frags. Disseminated, blebby and fracture controlled po up to 1 modal %. Pxn phenos are selectively altered to chl-bi dominantly, and to a lesser degree sc-po, combinations are common. Trace cp intergrown with po increases at lower contact with dyke.
3.63	5.45	Coherent, fine grained, feldspar-pyroxene-hornblende phyric, med-dk grey mafic dyke. Chill margin evident over ~8cm - bleaching and grainsize reduction. Fracture controlled and sulphide veinlet selvage biotite, feldspar phenocryst replacement by sc is ~100%. Weak chl alt of mafic phenos. Fracture controlled po-cal (+/-cp) veinlets and blebs form a weak stockwork over the interval. Locally massive po over 3-4cm.
5.45	16.2	Fragmental, medium to coarse grained pxn-phyric syeno(?) -dioritic groundmass supports bleached, sub-rounded monomictic lapilli sized frags. ~35 volume % frags. Selective silicification of fragments and sc alteration of gmass. Later stage po-cal fracture controlled veinlets with distinct bi selvages cross cut both frags and gmass, they exhibit mutually cross-cutting relationships as well. A 12cm mafic dyke at 6.60 is very fine grained with chill margins and rare fine grained mafic phenos. The dyke contains veinlets of po-cal (+/-cp) that cross-cut the contact with the FFPP - Therefore the carb-sulphide phase must be syn or post fine grained mafic dyke emplacement.
16.2	17.33	Fine grained, med-dk patchy grey-green colour, minor anhedral, sericite altered feldspar phenos (kspar?), dominant pheno population is subhedral pyroxenes typically less than 2mm in size. Irregular fracture stockwork is infilled with po-cal +/- cp. Biotite and sericite form selvages along mineralized fractures, forming halos and patchy texture. Sulphide content is greatest at upper and lower contacts. Upper and lower contacts exhibit a reduced grainsize, lack of phenocrysts and a bleaching - suggest intrusive naming scheme = fine grained, feldspar-pyroxene phyric monzodiorite or quartz monzodiorite (although I dont see such quartz in the gmass). Suggest name FFPM
17.33	17.73	Fine grained equigranular to very weakly fsp porphyritic, dk grey, fractures perpendicular to contact margins (cooling frags?) are infilled with po-carb +/- cp. Outer selvage zones experience silicification and carb-sulphide replacement of the country rock over 20cm at the lower contact.
17.73	19.33	Coherent fragmental, lapilli size frags of med-grained qz-fsp-pxn phyric quartz diorite supported in a more equigranular medium grained fsp-pxn quartz diorite (the qz-phenos are not in the matrix, rather quartz in the groundmass of the matrix and is fine grained). Selectively stronger sc alteration of frags is typical, the gmass is targeted. Mafic phenos are selectively replaced by chl-po and fsp phenos replaced by sc. Fracture controlled veinlets of carb-po +/- cp appears to be the only mineralization phase in the rock. The mineralization phase is largely fracture controlled (infill mineralization) and massive banding style (replacement mineralization).
19.33	19.97	Fine grained equigranular, foliated/deformed selectively altered volcanic? frags aligned on foliation. Convoluted margins marked with qz-cal-po +/- cp veining over 5-10cm. Fracture controlled po throughout. Pervasive silicification. Carbonate alteration only associated with sulphides. Suggest name FGFB Fine Grained Fragmental Basalt
19.97	20.82	Coherent fragmental quartz diorite as described, here with a distinct foliation of phenocrysts and imbrication of lapilli sized frags. The FGFB above this unit has the same foliation. Both units are affected by this deformation, therefore the FGFB must have been emplaced prior to foliation deformation and it has sulphide veinlets in it just like everything else. Note: the fgp mafic dykes are massive and note foliated - yet they also contain the sulphide mineralization phase similar to the FFPP and the FGFB, therefore, mineralization must have been syn or post mafic dyke emplacement.
20.82	24.02	Fine grained, fsp-hnbld-pxn phyric, fracture foliated dioritic porphyry. Pervasive and patchy silicification and sericite alteration. Moderate to strong fracture foliation targeted by carb-po veinlets that cause sc-bi selvages. They look like black stringers <2mm thick +/- sulphides. Higher sulphide content veinlets have stronger sc selvages. Upper contact is orthogonal to foliation and imbricated frags of upper unit, therefore suggest this unit is a dyke here, not a sill. Lower contact is gradational and convoluted over about 20cm. Strong to intense silicification occurs at the base of the interval along with strong mineralization.
24.02	24.64	Strong-intense silicification of host rock, semi-massive sulphide replacement of host rock is blotchy and forms local weak stringers and blebs. Cp crystallizes at po grain aggregate margins indicating it is a late stage product of the mineralization phase and suggests it is coeval with the po. Carb is interstitial to the sulphides.
24.64	26.62	foliated fragmental med grained FFPP as described. Frag and mineral selective alteration as described. Channellized alteration veins of qz-bi replacement are cross cut by the cal-sulphide phase, therefore Qz-bi alteration is considered to be an early phase of alteration with no associated mineralization, i.e. early Silicification and potentially weak potassic alteration occurred prior to the more phyllite-carbonate-sulphide alteration phase.
26.62	31.78	Varibly massive fragmental to poorly imbricated fragmental as described, qz-fsp-pxn phyric quartz diorite frags in equigranular quartz diorite and pyxn phyric matrix. Frags are altered and have <2mm selvages along subrounded frag boundaries. Interp: at least some degree of mechanical and chemical fragment degradation has occurred therefore suggest coeval autobrecciation as mechanism causing the fragmental texture. Fracture controlled veinlets contain a soft vfg black mineral discrete selvages (biotite) along carb +/- sulphide filled fractures.

31.78	32.07	Fine grained equigranular mafic dyke/sill with weak chill margins. Contacts marked by carb-po +/- cp infiltration. Roughly conformable to foliation in fragmental therefore likely a sill. Minor carb-po-cp in fractures within the dyke.
32.07	33.71	Moderately silicified interval of the fragmental has slightly increased fracture controlled and replacement style carbonate-sulphide alteration/mineralization. Fragments are weakly imbricated along the foliation. Moderate to slightly strong increase in phylitic minerals - clays-sc-chr within the fragments, selective silicification within the matrix.
33.71	37.31	Coherent fragmental quartz diorite as described. Poorly to not foliated or imbricated. Dominated by matrix component. First appearance of cal-qz +/- (cp-po-chl) true veins 4-7mm thick at density of 1/m or less.
37.31	38.05	Very fine grained equigranular mafic dyke, pervasive strong silicification targets this dyke/sill. Diffuse Sc-clay selvages occur along cal +/- sulphide filled fractures, and discrete, sharp bi selvages occur right along the fractures. This alteration style imparts the black (fractures/veinlets) stockwork seen in the majority of the units - all the units so far at least.
38.05	39.77	Fine grained, hornblende-fsp-pxn phyrlic, moderately to well mineral defined foliation, no disseminated sulphides or sulphide veining. Moderate to strong serpentine (chrysotile) development along foliation plane can form stronger and aggregates of chrysotile. Upper and lower contacts are marked by increases in qz-bi vein-style alteration. Interp: The foliated hnbld-bearing mafic intrusive with no sulphides or carbonate phase veining was emplaced post mineralization and the qz-bi alteration channels result from its emplacement - hence they cross cut the mineralization phase.
39.77	47.33	Fragmental, medium grained quartz-feldspar-pyroxene phyrlic quartz diorite to granodiorite. The matrix has up to 10-15 modal % quartz phenos and after including the groundmass this rock may plot in the granodiorite field. The matrix is equigranular to poorly porphyritic, weakly foliated. Mafic phenos are selectively altered by carb-chl +/- bi-sc. The groundmass is weakly altered by qz-sc. Fragments have the same style alteration as the matrix and are slightly bleached. Fragments contain fewer qz phenos - if any, however the groundmass of the fragments has fine grained qz ~ 10-20 modal %. Pyrrhotite selectively replaces mafic phenos and forms rare blebs in the matrix <3mm in size typically.
47.33	47.68	Fine grained, anhedral feldspar porphyritic mafic dyke. Feldspar phenos are selectively replaced by sericite-(carbonate)-pyrrhotite. Strong pervasive carbonate alteration of the groundmass.
47.68	50.22	Fragmental lithology as described with these additions: weakly foliated, mafic phenos in frags and matrix are ~50% replaced by a suite of sericite-chlorite-pyrrhotite. Pervasive alteration in the groundmass can exhibit a pinkish hue suggestive of kspar alteration, the hardness is obscured by qz in the groundmass.
50.22	50.77	Fine grained mafic dyke with rare anhedral relict fsp phenos now completely replaced by qz-sc-(chl)-po. Rip up frags caught up near the lower contact are selectively altered with kspar? and epidote. Pyrrhotite forms blebs in place of the relict phenos.
50.77	59.85	Fragmental lithology as described with these additions: slight increase in carb-filled fractures with qz-bi-(kf?) selvages. Carbonate is part of the suite that selectively replaces mafic phenos along with chlorite and sericite and pyrrhotite. Weak foliation locally developed. A coarse grained Quartz-carb +/- chlorite vein at 51.51 is 4cm thick and has trace euhedral py disseminated at its margins. Diffuse bleached halos (albitic?) 1-30mm are common along fractures. Bi-qz veinlets do not have this diffuse albitic halo. The qz-py filled fractures/veins exhibit the albitic halos. Therefore conclude early potassic alteration (Albitic halos and very minor qz-py veining) followed by later qz-bi-(sc) phase (Phyllic?)
59.85	60.5	Fine grained, dk grey basaltic, fragment-bearing fracture-style mosaic breccia. Fracture pieces 1-5cm typically. Carbonate-pyrrhotite-chalcopyrite +/- pyrite veins form throughout the mosaic breccia and form blebs and disseminations throughout. Fragments up to 5cm of a feldspar-hornblende-pyroxene phyrlic andesite are caught up in this unit. Upper margin is marked by 3-4cm of massive pyrrhotite>>chalcopyrite>pyrite hosted amongst strong carbonate veining and pervasive alteration.
60.5	62.65	Fine grained, dk grey, mosaic breccia as described previously. Semi-massive pyrrhotite-chalcopyrite veining and disseminated throughout gmass. Breccia fractures exploited by mineralization. Pervasive and fracture controlled carbonate is directly associated with mineralization. Qz-bi filled fractures offset the pyrrhotite veins and mineralization = later stage qz-bi. Pyrite is associated with the qz-py phase. 2-8mm thick calcite-gypsum veins form in a discrete way, rather than replacement they are true vein fill. The gypsum was earlier misidentified as chrysotile, upon further investigation it is <2 hardness, columnar and fibrous with flexible white crystals. Chalcopyrite-calcite form on top (overgrowth) of the gypsum.
62.65	69.55	Fine grained, basaltic, mosaic breccia. Mineralization styles as described - here they form blebs, stringer and disseminations throughout the rock. Mineral foliation is defined by feldspar and hornblende phenocrysts that are locally abundant but otherwise sparse. pyrrhotite selectively replaces mafic phenos causing a disseminated appearance. The carbonate-rich phase is associated with the pyrrhotite-chalcopyrite.
69.55	71.09	Fine grained, basaltic, coarsely developed mosaic breccia texture, massive sulphide veins of pyrrhotite-chalcopyrite replace groundmass and infiltrate prepped structures - fractures and country-rock brecciation. Pyrite veinlets are seen rarely but distinctly cross-cutting the pyrrhotite. see photo. Two mafic dykes cut this unit, they are fine grained mafic dykes as described, 10-17cm thick and they are mineralized with disseminated pyrrhotite +/- chalcopyrite. Therefore the dykes were emplaced likely pre-mineralization.
71.09	73.36	Fine grained, locally porphyritic, basaltic mosaic breccia, disseminated po and veins of po as described, rare veinlets of py +/- qz-bi crosscut earlier pyrrhotite. Bottom contact is intrusive with dyke. The dyke below has the chill margin, whereas the FGBx has blackened oxides and carbonate alteration over 4cm.
73.36	74.4	Fine grained equigranular and locally kfsp-hnbld-pxn phyrlic mafic dyke. Chill margins defined over ~7cm. Disseminated and veinlet po throughout. Late stage orthogonal fractures marked by qz-bi veinlets.
74.4	76.17	Fragmental qz-fsp-pxn phyrlic quartz diorite to granodiorite. Locally strong silicification associated with increase in po-cp veining. Sulphide content increases downhole through the interval, greatest at the base.

76.17	83	Medium grained hornblend-pyroxene phyric fragmental andesite autobreccia. Fragments are 10-20cm in size and crude, relict hyaloclastite margins can be seen, now altered to a light green-buff hue possibly albitic.. The hornblende phenocrysts signal a compositional departure from the FFPP. The hornblende phenos are euhedral, 2-6mm length and randomly oriented in te fragments. Locally mineral foliation is well developed. The groundmass is very fine grained euigranular andesite(?), now qz-sc-cl altered to a lighter, softer buff-green.
83	104.44	Fragmental, medium grained quartz-fsp-pxn porphyry as described. Frags are 5-20cm in size supported in a granodiorite matrix. The fragments typically have the same phenocryst population as the matrix but te groundmass is fine grained. Albitic halos form diffuse margins over 1-5m on some fractures marked with calcite. This interval is cut by one mafic dyke ~ 40cm thick, it is not carbonaceous, fine grained, mafic and locally weakly alkali fsp phyric. Calcite occupies the fractures with albitic halos, however it was likely emplaced after the potassic alteration.
104.44	105.85	Fine grained basaltic mosaic breccia dyke. Massive po-cp-cal veins 5-10cm thick occur at two intervals within. Qz-py veins 2-4mm thick are spaced 2/m in this interval, they have bleached sericitic halos diffuse over >20mm
105.85	108.35	Mixed lithologies: multiple fine grained mafic dykes 5-40cm thick intrude the FFPP. The FFPP is moderately to strongly altered with patchy and selvage zone qz-kf-sc associated with po-(cp-ca) veining. The mafic dykes have a mosaic breccia texture and contain the mineralization phase in fractures. I think dark green-black chlorite is much more abundant than previously recognized, forming selvage margins to many fracture filled veins.
108.35	116.1	Foliated , imbricated fragmental porphyry as described. This interval has B-Veins as described 2-3/m at a thickness of 1-3mm. They have darkened selvage zones of chlorite +/-biotite. Chlorite was previously not identified but was present. Previously only biotite was mentioned, however further investigation confirms the black veinlet stockwork that creates the mosaic breccia texture is high in chlorite. Pervasive kf alteration of the matrix groundmass. Patchy strong alteration domains of quartz-sericite-kfeldspar. Locally silicified domains often coincident with po-cp veining and carb alteration
116.1	120.32	Well foliated, deformed variety of the FFPP, strong mica development (sericite?) in the groundmass and fibrous and filamentous chlorite is strongly developed along with sericite. Veinlets and blebs of po +/- cp are consistent. One 5cm thick massive po-cp vein occurs in upper part of interval. The po distribution texture is independent from the well developed (tectonic?) foliation. Blotchy coarse mineralization occurs over a 10cm interval at 111m and it shows the mineralogy of the ore-assemblage (i.e. ore fluid). Composed of calcite-pyrrhotite-quartz-chlorite-chalcopyrite with diffuse qz-sericitic halos over 20mm. See photograph for textural relationships of these minerals.
120.32	130.91	Foliated and brecciated FFPP, pervasive and domainal moderate to strong silicification and associated with stronger carbonate alteration and up to 4 modal % sulphides dominated by po. Po forms pseudomorphs of pyroxene phenos commonly. The destruction of mafic minerals means Mg must have been liberated/removed while po moved in - I bet you the Mg was taken up in all the chlorite.
130.91	134.13	Moderately to strongly silicified, foliated and brecciated fragmental porphyry. Silicification appears to have cause grain size reduction of the matrix and a darkened grey colour. Skeletal replacement of matrix by po, massive po-cp veins. Strong chlorite alteration is patchy and associated with the sulphide phase as halos. Only weak carbonate through this interval. Silicification dominates the alteration assemblage. At 133.14m there is a zoned vein, cal-ab in the core, cal-po-cp at the outer margin follow by chlorite halos
134.13	144	Foliated FFPP, locally coarsely porphyritic pyroxene (up to 15mm) Patchy and blotchy qz-ksp? Alteration washed through the rock causing a pinkish hue to the blotchy alteration zones. Sulphide-bearing veins have distinct strongly developed chl halos over 1-7mm. Qz-ser-(ab?) [A-veins?] veins do not have the chlorite halo. Silicification is domainal, higher volumes of disseminated po occur in the silicified zones.
144	144.46	Semi massive sulphide zone, coarse calcite-gypsum form interstitial to skeletal po-py-cp. Very strong qz-sc-chl alteration of country rock. Lower contact is with a 13cm thick mafic dyke.
144.46	144.6	Fine grained mafic dyke with chill margins
144.6	149.94	Fragmental coarse and medium grained fsp-pxn porphyry. Moderate to strong alteration exploits mosaic-style stockwork brecciation. Stockwork veins of po +/- cp with strong chl halos. Pervasive silicification is moderate. Increasing component of hornblende-phyric volcanic clasts in the fragments compared to higher up FFPP. Blotchy/pervasive ksp wash of the groundmass. Carbonate phase associated with sulphide veins?
149.94	151.96	Fine grained, dark green grey, anhedral fsp-pyhyric (~10modal %, 1-2mm), euhedral hbl-phyric (~10modal %, 1-4mm), basaltic andesite composition. Highly fractured - mosaic breccia texture. Po-cp (carb) infiltrate the breccia network creating a stockwork of carbonic-sulphidic veinlets over te interval. Lithologically this is potentially a volcanic rock, trachytic hbl, potentially amygdules fine grained, fractured nature are the supporting evidence. Carb-po-cp veins have very distinct strong chlo-bi selvages over 10-12mm diffusing into (overprinting) a pervasively qz-kf altered groundmass.
151.94	155.2	Mixed lithologies, well foliated FFPP dominates te composition, many fragments are composed of the hbl-phyric basaltic andesite. (That would suggest the porphyry intruded into the hbl-pyhyric basaltic-andesite?). Pervasive qz-fsp altered groundmass. Fracture network with chl halos is diminished relative to the units directly above this. A well developed mineral-defined foliation looks very flow-like (i.e. trachytic) in the groundmass of the fragmental. Patchy domainal strong silicification zones 20-30cm thick host higher concentrations of sulphides po-cp, up to 1-2 modal % in those zones.
155.2	158.13	Fine grained, tightly but weakly brecciated, massive to poorly amphibole-phyric mafic dyke? basaltic andesite?. Sulphide veins as described form replacement-style skeletal networks over 2-15 cm. One vein at 156.80 is multi-staged, structured and shows the mineralizing system quite well, see photos from around this area. massive po-cp veins are earlier than carbonate, the coarse grained calcite vein bifurcates the massive sulphide vein. At the margins a different stage of coarse grained calcite-albite +/- pyrite-chlorite marks the transition back into the country rock with a carbon rich pyritic smudging at te contact.

158.13	180.05	Autobrecciated, bimodal to polymictic, locally amygdaloidal, feldspar-hornblende-pyroxene phyric fragmental quartz diorite to diorite. Many fragments have distinctly formed amygdules, as does the matrix locally. Amygdules and relict fsp-phenos are completely replaced by a mixture of qz-sc-po +/-cp, Mafic phenos are partially replaced with chl-(qz-sc)-po. Pervasive qz-sc-kfsp wash through the matrix groundmass is moderately to well developed and blotchy, forming pockets 1-3cm of strong alteration not seen in the FFPP. Fine grained groundmass is distinctly different than the FFPP. The FFPP has a medium grained equigranular (intrusive-type) matrix to the frags. FHPP also exhibits a distinct mineral defined foliation that is more akin to flow texture rather than intrusive channelling textures. Hornblende-phyric zones and pxn-phyric zones have discrete contacts with minor bleaching and possibly chill margins. Interp: sub-volcanic FFPP and mostly-volcanic FHPPx are comingled and coeval. Both lithologies have distinctly finer grained (fg) groundmass than earlier described FFPP. Amygdules and blotchy qz-fsp alteration form a distinctly different alteration texture than in the patchy FFPP. Sericite/clay alteration is higher in the FHPPx than in FFPP typically. Local alteration domains of strong silicification are associated with an increase in sulphide mineralization and carbonate alteration. Weak-moderate stockwork veinlets of carb-sulphide have strong chl halos. Qz-cal (py-chl) veins blow out in the silicified sections
180.05	210.66	Bimodal fragmental hbl-fsp-pxn porphyry. Mingled hornblende-phyric frags and matrix with fsp-pyroxene phyric frags and matrix. Magma mixing in the shallow subsurface. Strong blotchy qz-kf alteration +/- cores of po-cp. No reaction to HCl anywhere. Veining is qz-sc and qz-fsp with qz-chl halos, 1-4mm, spaced 2-3/m forming a pseudo stockwork. The veining is dominated by wiggly veins. Pyroxene phenos in the FFPP frags are coarse grained to very coarse grained up to 15mm - this can help with unit identification in addition to the lack of hbl. Rare qz-filled amygdules are locally present in areas of high fsp-phenocryst content, some amygdules are qz-sc infilled.
201.1	210.66	Lithology as described. Vein density 5-6/m with typical thickness of 4-25mm, with some up to 5cm thick. Veins are composed of qz-fsp. (the feldspar is either albite or orthoclase. Hardness 6.5. It is creamy-buff with a pinkish hue so I will guess orthoclase) Silicified domains are darker in colour reflecting a higher chlorite content. Hornblende phyric fragment abundance is diminishing. The qz-fsp veins have ser-clay +/- qz-py halos that soften the rock and slightly bleach it lighter green. Rather than a blackened (chl-bi) fracture network, the fracture network in this rock is 50:50 blackened chl-bi and qz-fsp. Wiggly A-type veins emanate from the thicker qz-fsp veins.
210.66	221	Mixed lithologies as described, dominated by FFPP. This comingled interval as matrix and fragments of both hbl-phyric and pxn-phyric, the two have sharp distinct contacts. Veins are dominated by qz-fsp +/- po-py-cp occurring at a density of 2/m with thickness of 1-3mm. Po +/- cp-cal veinlets 1-2mm thick at density of 2-3/m. Patchy fsp-alteration, domainal silicification, rare blotchy kf alteration forming what look like amygdules rarely.
221	224.67	Contains frags of fine grained FGBx and FHMD (those two rock types I think can be grouped) and frags of pxn-porphyry, bimodal FFPP. Vein density 2/m, 2-5mm thick, qz-fsp composition with qz-(chl) halos. Coarse grained pxn phenos are selectively partially replaced by qz-ser-chl-(po-cp). Frags are imbricated. Moderate to patchy strong kf replacement of groundmass locally blotchy and complete phenocryst replacement. Trace disseminated py associated with qz-alteration zones - either pervasive domains or in vein halos.
224.67	230.9	50:50 mix of FGBx and FFPPx. The FGBx has chill margins like a dyke/sill would have; therefore, FGBx intruded FFPPx. Also, FGBx and FHMD should be grouped as one lith. Background pervasive qz-ser-clay alteration, and patchy channellized strong silicification associated with local increases in po-cp.
224.67	253.25	FFPPx as described. Pervasive disseminated and blebby sulphides (ratio po:cp:py = 30:10:1) up to 0.5-1%. Locally amygdaloidal texture in fragments is replaced by qz-ser-chl, disseminated po-cp appears to overprint the qz-ser-chl replacement. Amygdaloidal texture is an interpreted idea. Ameboid and round qz-filled blebs 2-5mm look like vesicles, however it is possible that strong alteration has replaced primary fsp phenos and parts of the groundmass resulting in a 'scoured' rounded-out pseudomorph of the fsp. Sheeted fracture-breccia texture is well developed through this interval. Fsp-phyric mafic dykes are relatively minor through this interval. Dyklet splay off a main dyke branch are noted around 234m.
253.25	270.96	Coarsely fsp-pxn phyric fragmental porphyry. Hbl-phyric fine grained frags and coarse pxn-phyric frags. The matrix is fsp-pxn phyric but dominated by a fine grained groundmass. Other (less altered) FFPP has a fine-medium grained equigranular groundmass. Silicification domains have up to 2-3 modal % sulphides (po-cp+/-py). Silicification domains are rare through this interval, one ~30cm long at 267m is the only zone to speak of. The interval contains a diminished fracture network, it is less sheeted and random now - still composed of qz-(bi-chl). Carbonate veins 2-7mm thick at a density of 1/m. Numerous 3-25cm carbonic fsp-pyric (+/hbl) mafic dykes cross-cut the FFPP
270.96	285.66	Coarsely qz-fsp-pxn phyric comingled quartz-diorite and fine grained fsp-hbl-pxn-phyric diorite. Moderately developed fracture network with darkened halos 1-3mm thick composed of qz-chl-(bi-po-cp) and later cal. Moderate to strong carb veining and blotchy groundmass replacement with qz-sc and halo wash into the groundmass. Up to 0.5 modal % sulphides and locally up to 2 modal % in silicified domains over 1-5mm widths. Quartz phenos (~5 modal % and 1-4mm typically) are rounded, infilled with clear-bluish quartz (like and amygdule). Both comingled lithologies have a fine grained to aphanitic groundmass, distinctly different from the fine-medium equigranular quartz diorite previously described as part of the FFPP lithology.
285.66	286.56	Strong to moderate patchy silicification and carbonaceous wash and fracture controlled. Three massive po-cp (cal-chl) 5-9cm thick occur in this unit. Relict coarse phenocrystic texture could be reflective of the FFPP, but lots of fsp activity through this interval, dominated by the fsp phyric mafic dyke.
286.56	288.28	Fine grained hbl-d-pxn mafic dyke, chill margins evident. Phenos are euhedral hbl (7 modal %) and pxn (10 modal %) typically 1-4mm in size away from chill margins. Fracture network with qz-(chl-bi) halos is moderately developed in this lithology. Pyrite is evident in many of the fracture veinlets.

288.28	288.65	E.O.H. poorly foliated fragmental, coarsely pxn porphyritic quartz diorite.
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DDH-18-002

DDH-18-002 Lithological Drill Log		
From_m	To_m	Description
0	0.88	Overburden
0.88	5.83	Fragmental qz-fsp-pxn phyrlic quartz diorite. Pervasive qz-sc-(kf) alteration of fine-medium grained equigranular matrix. Selective/patchy sc-clay - (kf-qz) alteration of fine-grained porphyritic fragments. Mafic phenos are selectively replaced by chl-ep-bi - (qz-sc-sulphides po, py, cp). Patchy domains of strong carbonate alteration occurs in some fragments. Mineralization consists of pervasive disseminated po (up to 4 modal %) and cp (up to 1 modal %) and trace pyrite. Minor sulphide blebs and veinlets are present. Coherent structure overall, weak fracture network is infilled with qz-(chl-py-clay-cal) and have a distinct dk grey halo caused by the qz-chl(?).
5.83	7.67	Fsp-hbl phyrlic fine grained, mosaic brecciated mafic dyke comingled with strongly qz-sc altered xenoliths of FFPP. Pervasive moderate to strong silicification, weak sc remaining. Disseminated and stockwork-style sulphides po (~3 modal % disseminated and ~2 modal % in massive veins). Po:cp:py = 40:8:1. Massive po-cp vein density of 3/m wit thickness of 5-10cm. Tight mosaic breccia texture is qz-healed.
7.67	11.09	Comingled fsp-hbl pyhrlic mafic dyke with strongly qz-fsp altered xenoliths of FFPP. Coarse grained qz-fsp veins have no distinct halo but rather are likely associated with the background pervasive bleaching-green of the groundmass by qz-sc alteration. The qz-fsp veins are typically 1-8mm thick with a density of 1/m. Coarse cal-chl +/- qz-gypsum(?) 4-8cm thick occur at density of 1/m. Lower contact has a distinct chill margin in the mafic dyke. Disseminated and massive vein (replacement-style) po-cp up to 2 modal % combined.
11.09	17.56	Fine-medium grained, equigranular to weakly qz-fsp phyrlic, matrix-supported, foliated and imbricated qz-diorite. Pervasive and locally patchy qz-kf alteration is moderately developed. 1-3mm po-cp veins occur at a density of 2/m.
17.56	19.46	Fine grained fsp-hbl-pxn phyrlic series of mafic dykes, locally strongly brecciated. Coarse grained qz-kf +/- chl veining is strongly developed with veins 5-15cm thick. Very strong to intense alteration halos to the qz-kf veins are composed of a bleached greenish clay, white clays and sericite that is pervasively distributed over >10cm away from the veining. Po-cp is disseminated in both qz-kf and calcite veining stages. Po-cp is closely associated with a breccia fracture distribution, also disseminated throughout the mafic dykes. Total sulphide content 2-3 modal % through interval. In general the qz-cal-chl show no clear alteration halos, the cal-sulphide veins have qz-chl sharp and diffuse halos over 1-10mm and the qz-kf veins have >10cm diffuse sericite-clay halos. Qz-kf (chl) veining causes? host rock brecciation.
19.46	30.46	Medium-coarse grained coarsely pxn-phyric qz-diorite with a locally well developed fragmental texture and domains that are roughly equigranular with no frags. Pervasive and domainal silicification is directly associated with an increase in sulphide (po-cp) content. Sulphides selectively replace pxn-phenos in the silicified zones. Calcite veining (and its associated darkened qz-chl-cal halo) overprints a strongly developed pervasive and patchy kf alteration. Kf washed through the gmass of the qz-diorite and can create a false clastic texture with its blotcy distribution. Qz-kf-(py) veining causes the development of intensely clay altered gmass over >10cm.
30.46	34.43	Dominantly a FFPP interval, two 50cm thick dykes intrude te FFPP. One dyke is strongly carbonaceous, fine grained and mafic; the other one is fg, weakly porphyritic non-carbonaceous mafic dyke. Patchy qz-sc alt domains, pervasive qz-kf alteration of the quartz diorite matrix. Qz veinlets +/- kf have bleached sericite-clay halos, veinlets can be reactivated by calcite veining. Dominant veining is composed of coarse qz-cal - (po-cp-chl margins), veins are 3-10cm thick, occurring 1/m. Unidentified mineral in vein ~1 modal %: light turquoise colour, <2.5 hardness, tabular and platy (monoclinic?) crystals associated with qz-cal-(gy?) veining. Could be pyrophyllite(?). Veinlets of po-cp occur in both dykes.
34.43	39.32	Fine-medium grained, equigranular to weakly qz-fsp-pxn pyhrlic quartz diorite matrix supporting fine-grained qz-fsp-pxn phyrlic fragments 3-10cm in size. Weak patchy silicification. Moderate pervasive and patchy qz-kf-sc alteration in the matrix. Qz-fsp veins have a wiggly morphology locally (A-vein?) later cal overprint on some veins causes the typically qz-chl darkened halo. Mafic phenocrysts are <50% replaced by chl-(bi)-qz-sc. Trace disseminated po-cp in the matrix.
39.32	43.91	Interval dominated by fine grained hornblende<<pyroxene phyrlic mafic dyke. No fragments, chill margin intrusive contacts, ~15 modal % phenocrysts. Fault breccia zones 5-10cm thick with mixed lithologies through this interval. The dyke is massive whereas other lithologies (FFPP) are fractured, brecciated, strongly qz-clay altered. Pervasive weak epidote alteration in groundmass of dyke, mafic phenos are ~30% replaced with brown euhedral biotite, chlorite and lesser po. Trace dissem po throughout. Fracture alteration halos are bleached light green (epidote?).
43.91	46.92	Fragmental quartz diorite as described. Pervasive disseminated po-cp mineralization ranges between trace to 4 modal % with wide gradational transitions. Pervasive qz-sc-(kf?) alteration of the felsic gmass along with weak ep-chl alteration of felsic phenos and strong qz-sc replacement of felsic phenos. Mafic phenos are ~70 replaced by euhedral brown bitotite, chlorite and minor po. Finer grained fragments appear to exhibit well developed qz-recrystallization.
46.92	47.48	Fine grained, anhedral and euhedral feldspar porphyritic mafic dyke. Feldspar phenos (2-6mm typically) are selectively replaced by sericite-(carbonate)-pyrrhotite. The pyrrhotite is actually replacing poikilitic mafic inclusions within the fsp-phenos. Moderately developed calcite fracture halos throughout. Pervasive disseminated po-cp at ~1 modal %.

47.48	49.25	As described above the previous mafic dyke, slightly less disseminated po, only about 0.5 modal %
49.25	49.84	Fine grained, anhedral and euhedral feldspar porphyritic mafic dyke. Feldspar phenos (2-6mm typically) are selectively replaced by sericite-(carbonate)-pyrrhotite. The pyrrhotite is actually replacing poikilitic mafic inclusions within the fsp-phenos. Moderately developed calcite fracture halos throughout. Pervasive disseminated po-cp at ~3 modal %.
49.84	59.28	Fragmental quartz diorite as described. Trace disseminated po-cp, locally concentrating >1 modal %, trace over interval. Weak black-oxide fracture network. Pervasive alteration throughout unit consists of qz-ep-bi-kf-sc. Bi selectively alters mafic phenos along with chlorite. Qz-ep-kf pervasively alters the gmass. Between 58.27 - 58.36 a clay-qz-ep-fsp-sulphosalt(?) rich fault bxa hosts coarse acicular/prismatic crystals: 7 hardness, deep blue colour, adamantine lustre, striations on cleavage face. I don't know what the blue mineral is here. I suspect a sulphosalt; however the hardness and colour don't quite match up with anything in my books.
59.28	68.2	Fine grained gmass hosts ~10 modal % phenos of pxn 2-6mm typically. Moderately developed black-oxide fracture network +/- po veinlets. Local intervals 5-30cm wide have up to 5 modal % po +/- cp, typically these intervals are more strongly qz-altered. Domainal strong clay-sc alteration associated with increased fracturing but no apparent veining. Lithology grades in and out of an aphanitic gmass to a fine grained gmass. Moderately developed cal filled black oxide fracture network.
68.2	73.05	Moderately to strongly silicified FFPP with a fine grained to aphanitic gmass and the diagnostic coarse pxn phenos. 2-3 modal % po-cp is disseminated consistently through this interval. Moderate to well developed black oxide fracture network. Rare sulphide veins 6-7mm thick are spaced <1/m. Pervasive qz-sc altered gmass.
73.05	76.26	Well developed black-oxide fracture network causes local mosaic brecciation of the FFPP. Strong pervasive and domainal clay alteration of the groundmass, lesser patchy silicified domains. Qz-(cal) veins have trace disseminated euhedral py within them. Higher sulphide concentrations appear to be associated with the silicified-chlorite-rich domains. The qz-veining could possibly be the vein phase associated with the strong clay alteration; however I don't think there is enough veining to explain the alteration intensity.
76.26	77.8	Massive, equigranular to weakly fsp-phyric diorite dyke. The upper contact is marked by a coarse grained chl-cal breccia over 20cm. Fine grained disseminated po-cp up to 1 modal %
77.8	81.67	Coarsely pxn-phyric FFPP with fine grained gmass. Pervasive and domainal, moderate to strong silicification is associated with gmass grain size reduction and higher concentrations of sulphides po-cp. Qz-py veins with no distinct halo are 2-7mm thick occurring at a density of 2/m. The pyrite phase in these qz veins is fine grained and blebby, which is slightly different than other qz-py veins with euhedral disseminated py. Pxn phenos are ~80 % replaced by biotite and lesser chlorite. The groundmass is silicic and locally sericite-rich. Disseminated po-cp ranges between trace to 2 modal % near the lower contact. The lower 1m of this interval is strongly silicified and marked with ~20cm thick zone of dense stockwork po-cp-cal - (qz-py) veining.
81.67	82.5	Massive, pxn-phyric mafic dyke. Strongly silicified, disseminated and blebby po-cp is pervasive around 3-4 modal %.
82.5	83.76	Massive sulphide, replacement style, skeletal, po-cp with trace py noted on some fracture surfaces. Intense silicification of host rock with patchy strong chl. Po-cp are intergrown at ratio of about 20:1. Host rock texture is completely obliterated.
83.76	85.18	Semi-massive sulphide formed by replacement style irregular massive po-cp vein stockwork. Stk veins are discontinuous and locally blow-out into massive sulphide intervals over 5-15cm. Pervasive disseminated po-cp in the groundmass is at about ~3-4 modal %. The host rock primary texture is weakly preserved and it looks like a fsp-phyric mafic dyke.
85.18	92.85	Strongly silicified, mosaic bxa, coarsely pxn pyphyric, foliated fragmental FFPPx with a fine grained gmass. Disseminated po-cp up to 3 modal %, and 2-3cm thick massive po-cp veins occur at a density of 1/m. Alteration intensity is strong and patchy, resulting in domains of qz-kf and qz-sc and qz-po-cp alteration. The fragment population is porphyritic with an aphanitic gmass.
92.85	96.62	Fine grained, equigranular to weakly fsp and pxn phyric (<2 modal % phenos) diorite dyke. Pervasive (qz-sc) - (kf-ep-bi) alteration throughout interval. Low angle upper and lower contacts (<20 tca). The mafic dyke hosts qz-fsp veins 2-10mm thick at a density of 4/m, such veins terminate at the dyke contacts. Locally strong patchy ep alteration.
96.62	106.5	Strongly silicified interval of FFPP, local domains of strong blotchy kf alteration of the matrix gmass. Disseminated po-cp is pervasive throughout at 2 modal %, with 30-80cm domains of up to 4 modal % disseminated po-cp, especially the first 2m of the interval = strong silicification and massive po-cp veining. Weakly developed black-oxide fracture network overall, exception around 105m where fracturing is associated with domainal strong clay-sericite alteration and qz-py veining.
106.5	108.14	Strongly silicified, primary textures largely obliterated by alteration, weakly porphyritic mafic dyke appears to be the host rock. Well developed massive po-cp stockwork, replacement style veining. Up to 15 modal % total sulphides contained as pervasive disseminations and as skeletal stockwork.
108.14	115.15	Fine grained to weakly hbl-pxn phyric locally, strongly silicified, highly fractured/mosaic brecciated, andesitic mafic dyke. Moderately developed massive po-cp stockwork replacement. Only trace carbonate on some fractures. Well developed black-oxide fracture network. Chill margins are evident at the contacts of the andesitic mafic dyke. Pervasive po-cp is finely disseminated in the strongly recrystallized quartz gmass of the FGBx

115.15	133.58	Coarsely pxn-phyrlic bimodal FFPP. Many fragments have an amygdaloidal texture in an aphanitic gmass. The matrix of the fragmental is fine-medium grained equigranular quartz diorite, moderate pervasive qz-sc replacement alteration of the matrix gmass, moderate selective bi-ep +/- (kf) replacement of phenocrysts, trace disseminated po-cp is pervasive throughout. Well developed qz-bi (black-oxide) fracture network, locally causing mosaic brecciation of the host rock. Blotchy patches of moderate to strong kf alteration of the matrix gmass. 1-3mm thick qz-veins form a weak stockwork with a vein density of 5/m, many of the qz veins in this interval contain euhedral disseminated py within them and have strutted centerlines.
133.58	134.96	Fine grained mafic dyke, diorite composition, massive, equigranular texture. Pervasive kf-bi altered gmass. Weakly developed fracture network. 1-4mm qz-kf (+/-py-po-cp) veins with density of 2/m have a wiggly morphology (A-vein?)
134.96	149.19	FFPP as described above the previous FGMD.
149.19	151.39	Two stage mafic dyke interval. Down to 150.70 the dyke is a fine grained weakly hbl pxn-phyrlic diorite with disseminated po-cp up to 2 modal % locally, abundant on micro fractures with fracture controlled py. From 150.70 to 151.39 there is a different dyke, composed of a strongly ep-kf altered massive equigranular monzonite(?), through this lower dyke there are coarse grained qz-kf veins 1 - 4cm thick at a density of 3/m. Only trace disseminate cp-po in the qz-kf veins at a ratio of 50:50.
151.39	155.85	Fragmental qz-diorite as described. Here with ~1 modal % disseminated po-cp and broad strong silicified domains with up to 2 modal % sulphides. Trace amount of medium grained molybdenite seen in one qz veinlet at 153.5m, no where else have I seen this, and I have been looking.
155.85	159.7	Multiple mafic dykes swarm through this interval, one in particular: the fine grained, massive, equigranular, carbonaceous mafic dyke with lamellar-flow style chill margins has strongly developed carbonaceous halos affecting the other dykes over 20cm. The carbonaceous mafic dyke (CMD) is massive and the dykes it intruded are brecciated and strongly carb-qz-clay altered. All the dykes through this interval have trace to 2 modal % disseminated po-cp, dominated by po 20:1. Porphyritic mafic dykes have hbl and pxn phenos that are euhedral typically and comprise ~ 15 modal % of the rock. All dykes show chill margins. Well developed fracture breccia through majority of the dykes (exception of the CMD). Pervasive qz-bi-sc (kf) alteration of the porphyritic dykes.
159.7	167.08	Well developed qz-bi-(black-oxide) fracture network throughout. Pervasively qz-sc altered, patchy kf alteration. Bi-chl replace ~70% of the mafic phenos and kf-qz-sc completely replace the fsp phenos. Trace to 1 modal % disseminated po-cp is pervasive throughout the interval. Upper 2m of interval is strongly clay altered and brecciated adjacent to the mafic dyke swarm above. In the upper brecciated 2m of this interval minor quartz veining is associated with strongly developed fine grained masses of anhydrite(?) (a calcium sulphate). The anhydrite(?) has a hardness of 3.5, white streak, dull earthy lustre and an azure to purplish blue colour, it forms adjacent to qz-veining. Within the same breccia region, other deep blue-black fibrous crystals with a hardness of at least 6 and adamantine lustre are commonly infilling between fragments (glaucofane?).
167.08	185.61	Fragmental porphyry: fragments are observed as having discrete and degraded margins, the majority of fragments <2cm in size are fine grained to aphanitic and rarely seen with phenocrysts, fragments >2cm often have 1-5 modal % mafic phenos and an aphanitic groundmass. The matrix is fsp-pxn phyrlic quartz diorite with a pervasive quartz-sericite-kfeldspar alteration. Bi - (chl-ep) selectively alter ~80% of the phenos. Blotchy and patchy strong kf alteration is common. 0.5-2mm veins of qz-fsp occur at a density of 5/m, they have a discontinuous wiggly and curvi-planar morphology. The textures described above suggest this lithology is the product of magma mixing.
185.61	189.13	Fine grained, massive and locally anhedral fsp, pxn - phyrlic mafic dyke swarm. Multiple mafic dykes intruding into themselves. Weakly developed fracture network marked by weak silicified, bi-bearing halos and late overprint of cal. Pervasive finely disseminated po-cp around 0.5 modal %. qz-(fsp)-cal veinlets 1-3mm thick at density of 4/m are typically associated with only trace mineralization. Minor discontinuous blebby po-cp locally over intervals 2-3cm. The lower 50cm of this interval hosts a mafic dyke that looks a lot like the rock I described as FGBx.
189.13	191.83	FFPP as described; fracture network is moderately to well developed adjacent to the dyke swarm directly above. Trace disseminated po-cp. Selective bi-chl (ep) alteration of mafic phenos, pervasive qz-sc replacement of the gmass is moderate. Upper contact is marked with a 3cm thick coarse calcite vein with strong chl halos. rare po-cp concentrations up to 30% over 1cm, at a density of occurrence 1/m or less
191.83	195.07	Fine grained mafic dyke with anhedral fsp phenos (1 modal %), euhedral hbl phenos (1 modal %) and subhedral pxn phenos (4 modal %). Pervasive finely disseminated po-cp. Pervasive qz-sc altered fine grained gmass and bi-chl replacement of the phenos. Weak coarse qz-fsp-chl veining is overprinted by calcite veining.
195.07	218.54	Fragmental quartz diorite as described; locally matrix- and fragment-supported. Trace disseminated po-cp, locally up to 2 modal % in silicified zones 1-5cm thick. Pervasive and blotchy kf alteration of matrix gmass. The matrix is typical fine-medium grained equigranular qz-diorite. Locally strong (qz-sc)-(bi-ep-kf) can cause a false clastic texture and obscured primary textures. Moderately developed qz-bi-(black-oxide) fracture network, local qz-flooding over channelized intervals 1-2cm thick can brecciate the host rock. Veinlets of qz-gy 1.3mm thick at density of 1/m or less. Many fragments have an andesitic composition and are amygdaloidal, qz-filled amygdules. Locally qz-bi-(black-oxide) fracture network causes brecciation.
218.54	219.5	Fine grained mafic dyke with up to 2 modal % finely disseminated po-cp. Locally strong carboante alteration veining associated with up to 50 modal % po-(cp) over 2-3cm intervals. Those mineralized intervals are more strongly silicified than the rest of the dyke. Lower contact is marked by a 8cm thick calcite vein and a sheared, qz-py bearing veins.
219.5	222.31	Strongly sc-clay altered, brecciated interval of FFPP. Qz-gy-chl-py veinlet stockwork is well developed. Silicified fragments contain up to 2 modal % po.

222.31	232.08	FFPP as described; 2-3m intervals are fragment-supported, others are matrix supported with a fine-medium grained equigranular qz-diorite matrix. Pervasive moderate to strong potassic alteration consists of bi-chl-ep replacement of mafic phenos up to 100 % complete replacement. Patchy and blotchy kf altered gmass. moderately to poorly developed fracture network. Weak to very weak micro veinlets of qz-fsp and qz-gy-py. Carbonaceous veinlet clusters 1-2cm thick occur 1/m and have distinct silicified (bi-bearing) halos.
232.08	239.88	Well developed fracture breccia texture in FFPP. Strong, pervasive complete bi-kf replacement of primary phenocrysts and gmass causes primary texture obliteration. Locally a shear-type foliated is developed i.e. the rock looks strained, compressed and stretched. Black fracture network is locally graphitic where shearing dominates the structure. Pervasive disseminated po-cp and locally py up to 1 modal % total sulphides dominated by po. Veining consists of multi-stage (qz-fsp-chl) - (cal-po-cp) veins 1-4cm thick at a density of 1/m. cal-po-cp occurs in the cores of those veins. Micro veinlets (<1mm) of qz-cal-fsp-sulphides occur 3-4/m. Overall the structure is a mosaic sheeted breccia to a weakly sheared zone.
239.88	244.32	Interval of sheared and deformed FFPPx, starts with a 40cm thick mafic dyke with up to 3 modal % disseminated and vein-replacement po-cp. The sheared FFPPx exhibits micaceous banding around primary phenocrysts. Sheeted fracture breccia grades into a shear texture that is graphitic along its planes. Pervasive 0.5 - 1 modal % sulphides po-cp throughout. Minor qz-py veinlets and qz-fsp - (sulphide) veining throughout. Carbonate (+sulphides and qz-bi halos) veining and qz-kf veining occur at about a 50:50 ratio.
244.32	247.15	FFPPx as described above the shear zone. Diagnostic coarse euhedral pxn-phyric quartz diorite and fragmental texture.
247.15	253.87	Fine grained dioritic to qz-diorite groundmass supports a phenocryst population (~10 modal % phenos) of anhedral fsp (kf?) and pxn (aug?). Massive lithofacies - no fragments. Moderate to well developed lithology-specific qz-cal stockwork has developed through this interval. Trace to locally 0.5 modal % disseminated and stringer po-cp. Pervasive qz-recrystallization in the gmass and bi-chl replacement of mafic phenos, qz-sc replacement of felsic phenos. Patchy strong silicification associated with tightly clustered blackish microfractures.
253.87	262.24	Moderate to strong pervasive alteration, well developed qz-bi (black-oxide) fracture network causes local brecciation. Coarse pxn-phyric and fragmental texture diagnostic of FFPP. Bimodal composition here, many frags contain hbl-phenocrysts. The FFPP does not contain hbl. Local zones of strong qz-recrystallization and sc-clay have up to 2 modal % disseminated sulphides over 5-10cm intervals.
262.24	266.52	FFPP as described ; poor to moderately developed fracture network, trace disseminated sulphides, local intervals >1m of pebble-sized fragments and some intervals with no fragments at all. Quartz diorite composition diagnostic of the FFPP. Qz-cal stockwork is moderately to well developed in this lithology which is adjacent to a significant shear zone below. Alteration textures as described.
266.52	267.9	Well developed shear zone through the FFPP at a very low angle to the core axis. Intense chl-bi-graphite alteration throughout the shear. Primary textures largely obliterated. Strong to intense pervasive carbonate throughout the shear zone. Trus thickness of the shear would be <50cm.
267.9	274	FFPP as described; few fragments overall, in general the unit is a coarsely pxn-phyric medium grained qz-diorite, isolated and fragment clusters along with composition are diagnostic of the FFPP unit. Poorly developed fracture network. Trace disseminated po-cp, trace veinlets of qz-cal-py. Pervasive, weak alteration by qz-sc and bi-chl-kf
274	275.74	Very fine grained to aphanitic groundmass, 1-4 modal % phenos of hbl-pxn, and very small phenos of qz-fsp. Pervasive clay alteration throughout the gmass. Pervasive and patchy disseminated sulphides po-cp up to 0.5 modal %. Well developed qz-bi (black-oxide) fracture network.
275.74	284.15	FFPP as described; diagnostic coarse pxn-phyric texture, boulder-sized fragments of qz-diorite and qz-amygdaloidal fine grained pxn-phyric andesitic rock. Bimodal fragments. Local strong patchy kf-bi alteration of matrix. Silica (microcrystallize quartz actually) flooding appears as dark grey fracture controlled halos, often associated with increases in sulphides po-cp up to 1 modal %.
284.15	285.88	Fine grained to weakly anhedral fsp phyric mafic dyke, well developed fracture network, pervasive moderate bi-chl-ep alteration of gmass. Poorly developed calcite veinlets. Trace pervasive disseminated sulphides po-cp. Fault zone at 285.05, ~20cm thick is intruded by calcite veining. The fault zone has abundant fault gouge. Trace pyrite occurs in the qz-cal veinlets.
285.88	287.79	FFPP as described; pervasive po-cp disseminated throughout the gmass at trace to 0.5 modal %. ~80% replacement of mafic phenos by chl-bi. Patchy-pervasive alteration as described typically in this unit.
287.79	288.45	Fine grained, weakly fsp-pxn phyric (small phenos <2mm), mosaic breccia of fine grained mafic dyke, FGBx. Pervasive bi-chl-ep-kf throughout the gmass, trace to locally 0.5 modal % py-po-cp. The occurrence of py is becoming more common. Sulphides are distributed as disseminated in the gmass and throughout the micro-fracture breccia network, marked by blackened fractures filled with qz-cal-py and with qz-bi halos over 1-2mm
288.45	292.26	FFPP as described above the previous FGBx; slightly stronger ep alteration of mafic phenos
292.26	297.79	Mixed lithologies through this interval, dominated by the FGBx --> as described above previous unit; local domains over 5-10cm with up to 1-2 modal % sulphides po-cp-py. Py is a common constituent with in the fracture network now. Other lithologies include a fine grained equigranular massive carbonaceous, strongly bi-altered mafic dyke over ~50cm near the base, and FFPP (country rock) with a well developed fracture network of silica (qz) flooding. The dominant lithology is the FGBx as described. Samples will reflect the lithologies through this interval

297.79	300.14	Brecciated FFPP, intruded by 4 carbonaceous mafic dykes 5-25cm thick, the mini dyke swarm appears to have brecciated the country rock FFPP. Very strong chlorite development in some weakly strained zones. Coarse pxn-phenos and composition are diagnostic of the FFPP
300.14	308.01	Bimodal FFPP, patchy and pervasive qz-kf alteration of gmass and strong (bi-chl) - (qz-sc) replacement of phenocrysts. Relict fsp phenos have rutile(?) inclusions. Patchy alteration can create a false clastic texture. Fragments are the same two bimodal frags described above: one fine-grained weakly porphyritic and amygdaloidal, the other with the same composition as the matrix.
308.01	314.07	FFPP strongly altered; primary coarse pxn-phenos are completely replaced by bi-chl, strong kf-bi-ep pervasive alteration and moderate pervasive qz-sc alteration. Fragment poor interval overall. Patchy strong biotite alteration causes a brownish colouration to domains over 5-10cm. Silicified domains contain up to 2 modal % disseminated po-cp. Disseminated po-cp up to 1 modal % is pervasive throughout the interval. Patchy strong ep-kf-bi alteration is blotchy and causes a greenish discolouration. poorly developed qz-bi - (black-oxide) fracture network. Veinlets of qz-carb, qz-chl-py <1mm thick typically are spaced 5-6/m.
314.07	319.35	Dyke swarm; the interval consists of at least 8 fine grained equigranular dioritic dykes. All of them intrude into strongly altered FFPP as described in the previous interval. All the dykes has a similar orientation = swarm. Pervasive disseminated po-cp up to 1 modal %, but 0.5% overall. Local domains 5-20cm thick where sulphide content is up to 1.5 modal %. Strong epidote-biotite replacement of a local population of coarse fsp-pxn phenos that is graded into and out of over 50cm. Weakly to moderately developed fracture network of blackened oxide stained, weakly calcareous.
319.35	323.59	Poorly fragmental (?) interval of the FFPP. Very strong potassic (bi-ep-kf) alteration is primary texture destructive, phenos are typically 100% replaced by ep-kf-po and qz-sc and bi-chl. Disseminated po-cp is pervasive at trace to 0.5 modal %. Intense patches of biotite replacement creates a false(?) clastic texture, or possible is a fragment pseudomorph - difficult to say. Weakly banded alteration locally.
323.59	326.7	Hbl-pxn phyrlic diorite intrusive (dyke). ~ 5 modal % euhedral hbl 1-5mm, ~7 modal % subhedral to euhedral pxn-phenos 1-4mm. Dioritic groundmass, no primary or secondary quartz grains observed. Trace disseminated po-cp is pervasive. Euhedral py occurs along micro-fractures occupied by qz +/- calcite. A well developed fsp (+/-qz) stockwork affects this lithology preferentially compared to other lithologies. The stockwork consists of qz-ep-fsp. The presence of hbl and dioritic groundmass identifies this lithology as compositionally different than the FFPP quartz diorite.
326.7	335.76	Strongly altered FFPP = FFPPa; fragmental and relict coarse phenocrystic texture are evident of a FFPP protolith. Strong bi-kf flooding is fragment selective and patchy domain throughout the matrix. Phenos are completely replaced by a combination of (ep-kf)-(qz-sc)-(bi-chl)-(po-cp), dominantly they are replaced by ep-kf-po. Pervasive trace to 0.5 modal % po-cp. Poorly to moderately developed fracture network. Weak development of discontinuous po veinlet clusters associated with carbonate and silicified halos. Three fine grained to weakly anhedral fsp-phyric mafic dykes 5 - 50cm thick intrude this interval, they are also mineralized with 0.5 modal % disseminated sulphides, however the alteration intensity is slightly lesser than in the host FFPPa.
335.76	338.06	Interval of multiple mafic dykes intruding one larger mafic dyke that was previously described as the FGBx and FGMD, the two are the same lithology. The main dyke is fine grained to aphanitic, brownish grey in colour with a well developed micro-fracture network of blackened oxide with po-cp. The po-cp commonly hangs out in the micro-fractures but is also pervasively disseminated up to 0.5 modal % and locally up to 1%. Other mafic dykes that intrude the FGBx are fine grained equigranular and contain up to 1 modal % disseminated po-cp as well; however the fracture network is poorly developed in the equigranular mafic dykes. Here the FGBx has pervasive qz-bi alteration of the gmass, relict phenos are replaced by qz-sc-po but in general phenocrysts are rare and comprise less than 3% of the composition.
338.06	350.82	Strongly altered FFPP, primary textures obliterated, very well developed false clastic texture results from blotchy-patchy kf-bi replacement fronts as it moves through the gmass. Weakly developed carbonate-po-cp veinlets cluster over 1cm and have distinct darkened silicified halos. Epidote alteration is strong, selectively replacing many phenos completely and components of the gmass as well. Pervasive weak qz-sc and domainal moderate qz-sc alteration of the gmass.
350.82	353.67	Mixed lithology zone: FGBx(60), FFPPa(30) and CMD(10). Numerous 5-10cm intervals with a mylonitic texture, strong altered by diffuse carbonic-veining. Shear/mylonite zones are qz-clay altered. Micro fracture network of qz-cal-sulphides is well developed containing pyrite in similar concentrations to the pyrrhotite. Fracture controlled py is associated with qz-fsp veining. massive po-cp replacement type veins are associated with carbonate.
353.67	360.51	Mixed lithology zone: HPMD(70), FFPPa(30). Diffuse and gradational boundaries between the qz-hbl-pxn phyrlic quartz diorite and the qz-fsp-pxn phyrlic fragmental quartz diorite are irregular, convoluted and could be the result of immiscible magmas (magma mixing). Moderate to well developed micro fracture network infilled with qz-cal-po-cp-py with qz-black oxide halos.
360.51	363.11	Fine grained massive to weakly hbl-pxn phyrlic, dominantly equigranular, felsic and mafic intervals grade into one another over 5-10cm, mafic intervals are moderately to strongly bi altered and the felsic intervals are qz-sc altered. Compositionally the mafic and felsic sections seem to be the same with the exception of the alteration character, both contain the same population of phenos. Well developed micro fracture network of qz-sulphides and black-oxide staining. Pervasive disseminated po-cp up to 0.5 modal % locally but trace overall.
363.11	364.04	Massive to locally coarse pxn-phyric, dark grey medium grained gabbroic dyke. Pervasive weak to moderate ep-kf-bi alteration of the gmass, pxn-phenos are only weakly altered, many are pristine. Trace pervasive disseminated po-cp

364.04	369.03	Strong patchy QSK alteration of FFPP. Diagnostic coarse pxn-phenos, fragmental texture and lithofacies. Blotchy, spotty kf replacement of the matrix gmass. Selectively more silicified fragments, very strong to intense mica development over the lower 20cm of the interval. Weak to moderately developed micro-fracture network, qz-rich black-oxide halos, typically the micro fractures have no observable infill minerals. Pervasive 0.5 modal % po-cp, locally up to 1 modal % in silicified zones.
369.03	371.85	fine grained equigranular, pervasively qz-bi-(sc) altered, weakly anhedral fsp-phyric, silicified upper contact over ~20cm, well developed microfracture network, intervals 5-10cm thick of up to 20 modal % po-cp intergrown with quartz-barite(?) and overprinted by calcite. Pervasive disseminated po-cp is trace fo 0.5 modal %. In the middle of this interval there is an 80cm thick interval of FFPPx which is mineralized in a similar replacement style to the FGBx.
371.85	378.52	FFPP as described; moderate pervasive qz-sc and patchy blotchy kf alteration as described. Trace disseminated po-cp. Trace euhedral py along rare qz-cal filled fractures. Patchy silicification has strongly altered domains, not always with an increase in sulphide content. Fragmental texture, composition and coarse pxn-pheno are diagnostic of this unit. Rare fragments have round qz-sc filled phenocryst? pseudomorphs or amygdules.
378.52	381.38	Mixed lithology zone: FHMD(60), FFPP(30), CMD(10). The (weakly) fsp-hbl-pxn phyric dykes (FHMD) are felsic, minor qz phenos, silicified, well developed microfracture network causes brecciation, po-cp occupies some micro fractures disseminated in trace amounts. The FFPP unit is as described above this unit. The CMD is an anhedral fsp-phyric mafic dyke with strong calcareous alteration associated with fracturing. All units have trace sulphides disseminated po-cp.
381.38	384.05	Fine to medium grained quartz-diorite with 5-8 modal % euhedral hbl 1-5mm and 5-8 modal % euhedral pxn phenos. Massive, non fragmental. Quartz-diorite to diorite composition. Patchy strongly silicified zones are locally coupled with strong bi alteration. Trace pervasive disseminated po-cp
384.05	386.88	Fragment poor interval of weakly to moderately QSK altered. Pervasive trace disseminated po-py. Medium grained matrix is a bit coarser grained than typical FFPP, composition is identical.
386.88	388.08	Fine grained, weakly anhedral fsp, euhedral pxn phyric (<5 modal % and <1mm typically), basaltic, mafic dyke. Well developed carbonate-rich fracture network and diffuse carbonate halos, patchy domains of moderate to strong ep-bi - (carbonate) have increased sulphides as blebs, still trace overall.
388.08	393.6	FFPP as described; patchy strong bi alt, moderately to well developed qz-cal stockwork veinlets, up to 15 veinlets 2-3mm thick per meter. Pervasive trace disseminated po-cp. Silicified halos around sheeted fracture clusters show a gradation transition from a qz halo into a brownish biotite halo.
393.6	396.19	Mixed lithologies: 1. Aphanitic hbl-phyric felsic dyke = Buff to grey-green, aphanitic groundmass supports trace to 1 modal % hbl phenos 1-2mm long. Pervasive silicification, fracture controlled and disseminated po-cp up to 0.5 modal %. Well developed microfracture network causes brecciation. Moderate to strong, patchy and vein/fracture-segregated domains of strong bi-kf-(ep) alteration. 2. medium grained qz-hbl-pxn phyric quartz diorite to granodiorite dykes = lgreen-grey, fine to medium grained gmass supports 15 modal % medium grained euhedral hbl-pxn phenos 2-7mm long, <2 modal % qz grained are typically rounded and <2mm in size.
396.19	401.85	Poorly fragmental FFPP, medium grained matrix and rare fine grained porphyritic frags typically less than 5cm in size. Same composition as the FFPP. Trace pervasive disseminated po-cp. Moderate QK alteration as described. A 50cm thick equigranular to weakly anhedral fsp-phyric mafic dyke transects the middle of this interval - the dyke has strong pervasive bi alteration of the gmass and a similar sulphide content to the FFPP
401.85	407.39	FFPP as described in the previous interval; this one is broken out because it has qz-stock work veining characterized by 1-4cm thick, planar, coarse qz-chl +/- po-cp veins with no discernable alteration halo. They occur at a density of 2-3/m. Interpreted as related to the mylonitic shear zone below. 2 mafic dykes and 1 felsic dyke transect this interval, the dykes are 15-20cm thick and mineralized comparably to the country rock.
407.39	410.22	Mylonitic shear zone through FFPP country rock. Mineral elongations (crystal-element dislocation in a ductile environ). Wavy, tight, kinked and folded mylonitic texture is defined by platy minerals and patchy silicification. Platy minerals dominated by chl-sc-bi. Pervasive, patchy, blebby and veinlets of po-cp up to 1 modal % overall. Upper contact of te fault zone is mared with 40 cm thick very coarse grained calcite-chlorite and lesser qz and blebby aggregates of po-cp.
410.22	417.34	Typical FFPP; coarsely pxn phyric qz-diorite fine-medium grained matrix supporting 30 volume % frags between 1-30cm in size. Ragged boundaries on the coarse pxn-phyric frags wich have the same composition of the matrix but with a finer grained gmass. Fragments appear to be bleached and quenched more rapidly than the matrix. I interpret this texture resulting from quartz-diorite intruding into its own (partially quenched) carapace, brecciating it and incorporating it by either complete resorption and/or as xenoliths. Trace pervasive disseminated po-cp throughout. Patchy domains of strong bi replacement of matrix gmass. Weakly developed microfracture network with silicified halos. Spotty, blotchy qz-sc-kf aggregates are weakly developed. Trace amygdaloidal texture observed in some frags. Weak carb-sulphide veining overall - less than one, 2-4mm thick cal-po-cp replacement-style veining, per meter.
417.34	419.51	Mixed lithologies: 1. fine grained equigranular, sulphide-rich, mafic dyke with abundant carb-sulphide veinlets 2-6mm thick at a density of >10/m. Strong pervasive bi-chl alteration of gmass. 2. FFPP as described above this interval. 3. medium grained, anhedral to subhedral crowded fsp-porphry (gabbrioc dyke) with pervasive bi-chl - (ep-kf) altered gmass. Rare euhedral pxn-phenos amongst the crowded fsp. Trace disseminated po-cp throughout this third lithology.

419.51	422.28	Light grey-green, aphanitic, porcelaneous texture, strongly silicified, trace pervasive po-cp, local well developed microfracture network causes brecciation, patchy strong ep altered bxa frags, <2 modal % hbl phenos and rare pxn phenos all less than 2mm in size. Felsic dyke. Strong quartz recrystallization of the gmass obscures some primary textures; porphyritic texture is preserved and I don't see any qz-phenos around in this one = more of a tonillite composition.
422.28	423.32	As described above the felsic and mafic dykes
423.32	426.62	Imgrey, (qz)-hbl-pxn phyric granodiorite dyke. HPFD. Gmass: Q20, A40, P40. Phenocrysts total 8-10 modal %, qz (1%) is granular and <2mm, hbl (4%) euhedral and 2-5mm, pxn (4%) euhedral and 2-6mm. Rare pxn megacrysts (>15mm). Weakly altered overall, weak ep replacement of primary feldspars in the gmass (the Ca variety plagioclase?). Pervasive disseminated and microfracture controlled po-cp up is trace overall.
426.62	435.06	Typical FFPP; coarsely pxn phyric qz-diorite fine-medium grained matrix supporting 30 volume % frags between 1-30cm in size. Ragged boundaries on the coarse pxn-phyric frags wich have the same composition of the matrix but with a finer grained gmass. Coherent interval with only trace microfractures of qz-carb, only 0.5 fractures/m. Weakly altered pxn phenos - only about 10-15% replaced by chl. Trace disseminated po-cp, very trace, but its still there.
435.06	436.9	Fine-medium grained equigranular, massive monzodiorite dyke. Normalized Gmass: Q0, A50, P50. Actual composition is 40 modal % amphiboles, 30 modal % each alkali and plagioclase feldspars. Pervasive disseminated po-cp up to 2 modal %, locally blebby po-cp and veinlets of po. Weak alteration overall. The amphiboles are weakly altered to chl-bi. The feldspars seem to be largely in tact. Trace carbonate along rare fractures.
436.9	449.73	Mixed lithologies in dyke swarm. Dykes range between 5cm to 1.8m in thickness. Dyke lithologies: 1. fine-medium grained equigranular monzodiorite as described, well developed chill margins and patchy ep-chl. 2. Granodiorite to granite composition fine grained, silicified, weakly hbl-pxn phyric, trace dissem po-py, patchy kf-ep alteration fronts are poorly developed. 3. Porcelaneous, poorly hbl-pxn phyric, intensely silicified felsic dyke, often brecciated by microfractures. 4. xenoliths/fragments of FFPP caught up in the dykes. In general, veining is weak and consists of dominantly qz veins +/- trace gy,bar? which are overprinted by later calcite infill. Veins 1-4mm thick at density of 1/m. One bleb at 445.53 of massive po 3.5cm x 3.5cm with trace cp is the best sign of mineralization in the interval. Pervasive disseminated po-cp in trace trace amounts throughout.
449.73	454.16	Massive interval of the FFPP with very few frags. In general, its a pxn-phyric medium grained quartz-diorite. Pervasive trace disseminated po-cp. Lower contact with a fragment rich section of FFPP is marked with intense chlorite replacement at a low angle to core axis.
454.16	468.48	E.O.H. Typical FFPP; cobble to boulder sized ragged frags of quenched qz-diorite with a false-amygdaloidal texture developed in the frags. Trace sulphides po-cp are pervasively disseminated and fracture controlled throughout. Poorly developed fracture network. 2-5mm thick qz-cal-ep +/- (po-cp) veins with silicified (+/- bi-chl) halos occur at a density of 1/m. Weakly developed blotchy kf alteration creates pebble-sized false clastic texture. This interval is transected by three dykes: two are monzodiorite as described, and one is a weakly hbl-phyric silicified, porcelaneous felsic dyke as described. See the structure tab for the dyke locations.

DDH-18-003

DDH-18-003 Lithological Drill Log		
From_m	To_m	Description
0	1	Overburden, no recovery
1	7.47	Fine-medium grained fragmental quartz-diorite, coarse pxn-phyric, patchy silicification channels emanating from bleached, oxidized fractures with euhedral py within the fractures. Alteration is moderate to strong, patchy qz-sc and (chl-ep-kf) and carb-sulphides. Well developed oxidized fracture network infilled with qz controls py distribution. Pervasive disseminated po-cp up to 1 modal % locally but 0.5% overall. Quartz veining has bleached clay altered diffuse halos over 8mm.
7.47	11.92	Strongly silicified patchy alteration through brecciated FFPP is mostly texture destructive but rare domains show primary phenocryst textures. Pervasive disseminated and veinlet-replacement po-cp is closely associated with carbonate alteration. Quartz (-chl-bi) veining (2-4mm thick) with bleached halos control py distribution.
11.92	13.18	Fine grained, equigranular to weakly porphyritic, strongly bi altered gmass, dioritic composition (?). Strong carb-qz-sulphide-serpentine veining through interval. Pervasive finely disseminated sulphides up to 2 modal % and coarse veining with po-cp contains up to 2 modal % po-cp. Veining is multistage and intergrown. Coarse qz-calcite are intergrown with coarse serpentine(?) [The mineral which I thought originally was chlorite does not match the crystal properties of chlorite. This serpentine mineral forms fibrous asbestos aggregates, a hardness of at least 3, weakly flexible crystals, forming within the qz-cal vein and account for up to 10% of the vein. Carbonate replacement within the country rock is diffuse over about 5cm away from the coarse grained veins. Petrographic sample taken from this interval by Brock Riedell

13.18	14.32	Poorly fragmental FFPP, dominantly a massive interval with strong po-cp replacement disseminated throughout the gmass. Blow outs of carboante-rich massive po-cp zones over 10cm interval. On fresh surfaces tremolite(?) needle-crystals are evident and serpentine vienlets appear to host po-cp. po-cp is also hosted in qz veining. Strong patchy qz-chl-sc alteration.
14.32	31.11	Poorly fragmental to massive FFPP. Fragment boundaries are often diffuse and gradational into the matrix (which I think is evidence in this case, of magma mixing and the homogenization process). In general discrete fragments are scattered. Weak pervasive qz-sc alteration is pervasive in the gmass, fsp-phenos have only trace amount of ep replacement only locally. Mafic phenos are weakly (~10%) replaced by bi-chl. Poorly developed qz-bi-carb micro fracture network controls po-cp distribution, trace disseminated po-cp is pervasive. Qz-fsp veinlets <2mm thick occur at a density of 1/m, no halos, contain trace po-cp intergrown with qz. These qz-fsp veinlets can occupy the same microfracture network which contains cal-po-cp along with qz-bi.
31.11	40.61	FFPP with typical well developed fragmental texture, ragged and rounded (magma-brecciated) xenoliths [a.k.a. fragments]. Pervasive trace disseminated po-cp, also fracture controlled along a poorly developed micro-fracture network. Increasing sulphide content lower in interval up to 0.5 modal %. Carb-po-cp replacement-style veinlets and clusters of veinlets over 1-3cm occur sparsely (<1/m). Pervasive alteration by qz-sc in the gmass and aggregates of (qz-sc)-bi-(ep-kf)-po-cp replace ~30% of the phenos. Massive po-cp is typically associated with the carbonate phase lacking po. Po-cp-py are found within the qz-phase of veining.
40.61	48	Mixed lithology zone: FFPPx(60) and a series of dykes(40). The FFPPx is strongly brecciated, has patchy strong qz-sc altered gmass, disseminated and fracture controlled po-cp up to 0.5 modal %. Carbonate veining often forms core of qz-fsp veins (which were earlier?). Megacrystic pxn, fragmental texture are diagnostic of the FFPP despite its strong alteration. The lower 3m of the FFPP interval shows a gradational grainsize reduction and mineral defined foliation approaching the lower unit (chill margin?). Ep-kf replace ~50% of the mafic pheno population. The dykes include: a weakly foliated anhedral fsp phyrlic (fsp altered to ep) and weakly hbl? phyrlic mafic dyke which hosts veins of serpentine minerals (chrysotile?), calcite and tremolite?. An aphanitic, pervasively bi-qz altered mafic dyke with 0.5 modal % finely disseminated sulphides.
48	56.1	Fine grained to aphanitic groundmass of recrystallized qz, sc, bi, supporting 1-2 modal % phenocryst population of euhedral hbl (1-3mm) and subhedral pxn (1-2mm) and anhedral sc-replaced fsp. Trace finely disseminated sulphides are pervasive, fracture controlled po-cp and selective replacement of phenocrysts brings sulphide content up to about 0.5 modal %. Silicified fracture network is weakly developed .
56.1	60.05	Weakly foliated FFPP, alteration as described with the following additions: complete replacement of 1% of the phenos by po-cp, pxn phenos are typically 50-100% replaced. Locally well developed fracturing associated with qz-py (no halo) and cal-po (qz halo) filled fractures. One fine grained equigranular dioritic dyke 47cm thick transects this interval.
60.05	65.97	Fine grained to aphanitic groundmass of recrystallized qz, sc, bi, supporting 1-2 modal % phenocryst population of euhedral hbl (1-3mm) and subhedral pxn (1-2mm) and anhedral sc-replaced fsp. Disseminated sulphides are pervasive, fracture controlled and blebby, forming blebs 2-6mm in size, total sulphides up to 0.5 modal % over the interval. Locally strong bxa microfractures, composition on the black fractures is qz-bi +/- (sulphides).
65.97	77.49	Variety of FFPP with a fine grained gmass in the matrix. Typically it is fine-medium grained in the matrix gmass. Fragments appear stretched/deformed into an imbrication, locally well developed fracture networks have surfaces coated with (qz-bi) - (carb-bi) - (carb-sulphide) - (qz-py). Patchy and domainal po-cp disseminations and phenocrysts replacement (pseudomorphs) ranges between trace to 0.5 modal %, trace overall. The lower 2-3m of the interval is more strongly altered than the upper part, intensity increase is gradational over the interval. Near the base, moderate to locally strong kf flooding causes a blotchy texture, primary fragmental texture is challenging to see (texture destructive alteration) and averaging 0.5 modal % po-cp.
77.49	79.32	Fine grained to aphanitic, equigranular to trace mafic phenos near dyke core, possibly hbl-phenos present, well developed qz stockwork preferentially has targeted this interval. The stk is well developed with qz-veins 1-4mm thick densely spaced and a wiggly morphology. The stk veins do not appear to have alteration halos, but rather can act as boundaries for later pervasive style alteration, which in turn causes a patchy alteration texture. Pervasive disseminated po-cp does not appear to be controlled by the stk at all, rather, the po-cp are evenly disseminated throughout the country rock and stk. Up to 0.5 modal % sulphides.
79.32	83.25	Strongly silicified patchy alteration through brecciated FFPP is mostly texture destructive but rare domains show primary phenocryst textures. Pervasive disseminated and veinlet-replacement po-cp is disseminated pervasively at trace to 0.5 modal %. Moderately developed qz-fsp stk with 1-10mm thick veins with a wiggly morphology and no discernable local alteration halos. Sulphides are equally disseminated throughout the country rock and the veins (i.e. the qz-fsp veins do not appear to be part of the sulphide plumbing system (source) rather they are pre-mineralization alteration features that may have been part of a 'rock-priming' event, prepping the country rock for later mineralization. The country rock FFPPx here has a recrystallied qz-rich gmass mixed with very fine grained sc.

83.25	85.27	Mylonitic textured shear zone within the FFPPx. Hosts coarse grained qz-fsp-chl veining (fsp crystals are greenish-pink, euhedral, graphic texture with qz, slightly curved cleavage faces typically lacking striations, although some appear to have striations which could be an overprint from later coarse calcite crystallization within the vein). The shear zone is texture destructive to the FFPP, well developed chlorite along fracture planes causes abundant internal slippage, the structural foliation is ornamented with slickenlines along smoothed chlorite. Disseminated po-cp is pervasive, py is a later-fracture infill that does not appear to be associated with the po-cp. Strong greenish-grey clay and silicified domains through mylonitic zones.
85.27	95.31	Brecciated below mylonitic fault zone, moderate to strong alteration as described is partially texture destructive. Weakly developed qz-fsp stk is developed with a wiggly vein morphology. Trace carbonate overprint along some fractures, Patchy silicification channels often exploit earlier structurally-formed foliation and emanate from only some of the qz-fsp veins, therefore I think the silicification alteration event happened after the qz-fsp veining event. Qz-fsp alteration stk veining is observed as permeating into the matrix gmass of the FFPP causing a locally blotchy texture.
95.31	105.46	FFPP as described with the following modifiers: pervasive qz-sc alteration of the gmass, only trace-trace sulphides, the least amount of sulphides seen yet through an entire interval (in all three holes combined so far). Fragments has ragged and irregular boundaries suggestion partial resorption. Poorly developed microfracture network of qz-bi. These qz-bi fractures cause the blackened fracture network appearance in the core. Three dykes transect this interval. Two are the euhedral hbl-pxn phyrlic mafic(?) dyke with up to 15-17 modal% phenocrysts, this is not the porcelaineous type felsic dyke, but it has a similar bulk composition but different phenocryst volume and coarser gmass than the felsic dykes. The other dyke is an aphanitic, porcelaineous, silicified, micro-bxa, trace mafic-phenos, felsic dyke(?)
105.46	108.7	Mixed lithologies: three dykes; 1. light grey, aphanitic, porcelaineous, poorly hbl-pxn phyrlic (<1 modal%), patchy strong qz-ep-po-cp alteration zones, strongly silicified, felsic dyke (granodiorite composition?). 2. Fine grained, calcareous, weakly pxn-phyric (<2mm and 5 modal % or less), pervasive moderate qz-sc-bi altered gmass, dioritic composition, up to 0.5 modal % disseminated and fracture controlled po-cp. 3. Fine grained equigranular to fsp-hbl-pxn phyrlic mafic dyke, moderately silicified, trace disseminated po-cp. The interval also contains a 15cm xenolith of FFPP.
108.7	133.36	Fragmental qz-diorite as described typically: patchy weak qz-sc-kf altered gmass, bi-(chl) replacing phenos ~ 40-90% complete, trace-trace disseminated po-cp, weakly developed carbonate-rich micro-veinlets host sulphides locally, veinlets are sparsely distributed. Trace py in qz-filled fractures often associated with weak bleaching of the country rock over 5-6mm.
133.36	138.17	Fragmental qz-diorite as described: well-developed microfracture network of qz-bi (+/-po-cp) causes local brecciation. Only trace-trace disseminated po-cp, the majority in this interval is fracture controlled. Qz-py filled fractures typically have a sparse coating of po-cp and a dull blackened oxide?. The biotite in these microfractures is well developed crystalline, easy to identify. The qz-bi alteration is blotchy and strongly developed - it is associated with the silicification event - often using its own fractures as boundaries for strong patchy silicified zones. Moderately to weakly developed qz-cal-py veins are 1-3mm thick at a density of 2/m. Discontinuous veinlets of qz-fsp do not appear to be associated with any halo and occur at a density of 1/m with a thickness of <1cm typically. Qz-cal-py veins do show a distinctly bleached clay rich halo.
138.17	139.95	Strongly altered and mineralized FFPP. Texture destructive patchy alteration results from well developed qz-bi flooding and fracture controlled infiltration. Zones 1-2cm thick of intense bi alteration are weakly banded, often exhibiting a ductile-like wavy, foliated alignment. Coarse grained cal-qz-fsp(kf) +/- (po-cp-chl) veins 4-6cm thick occur at a density of 1/m. Clustering strong carbonate-sulphide country rock replacement forms pseudoveins .2-1cm thick at a density of 4/m. Trace disseminated po-cp throughout - also fracture controlled po-cp along with the qz-bi microfracture network.
139.95	141.89	Mixed lithologies: 1. Aphanitic, silicified, brecciated, porcelaineous, mgrey-green, rare mafic phenos, felsic dyke containing up to 1 modal % sulphides that are fracture controlled and pervasively disseminated. 2. fine to medium grained, mgrey-green, pxn phyrlic (1-3mm @ 8 modal %), dioritic composition, mafic dyke. The interval is dominated by the felsic silicified dyke. Veining is coarse grained cal-chl-qz intergrown and blebby with sulphides po-cp. Minor amounts of fsp noted in the coarse veins. The veins preferentially target the inner mafic dyke contacts and its groundmass. Overall about 1 modal % sulphides.
141.89	163.43	Well developed blackened breccia fracture network throughout an interval of FFPPx where alteration intensity is strong enough to destroy primary fragmental textures and phenocryst texture in many domains. Moderately developed qz-py veinlets with bleached clay rich halos 1.2mm thick at density of 2-3/m. Veinlet clusters/ concentrated carbonate-sulphide replacement style veining and fracture fill veins 2-3mm thick occur at a density of 5/m. Pervasive trace disseminated po-cp throughout the interval. Patchy domains of strongly silicified and strongly biotite altered FFPP.
163.43	165.7	Fine grained equigranular to very poorly mafic porphyritic, dioritic composition, mafic dyke, a.k.a FGB. Moderately to well developed microfracture network controls qz-bi-py distribution. Locally strong pervasive style bi replacement of gmass and blebby aggregates of bi forming along the fracture network. Trace disseminated po-(cp) and fracture controlled with the qz-cal-sulphide fractures (+/-pyrite now)

165.7	173.14	Variable zone of FFPP, brecciated by well-developed microfracture network of qz-bi. Strong patchy silicification and carbonate alteration. Calcite diffuses away from microfractures. Three 10-15cm thick calcareous mafic dykes as described cross cut this unit at a high angle to core axis. Sulphides po-(cp) are trace disseminated, also forming blebs in strong qz-carb alteration zones. Relict primary texture is apparent in the FFPP.
173.14	185.74	In-situ, intrusive breccia = fragmental texture. Fine grained (hornfelsed) fragments have rounded, ragged boundaries and are brecciated by qz-diorite intrusive activity. Presumably, the intruding qz-diorite bleached and hornfelsed the resident qz-diorite, causing the resident qz-diorite to be incorporated as xenoliths and degraded/partially resorbed and broken apart (brecciated), see photos. Patchy, pockety qz-kf-sc alteration of matrix gmass. Silicification of fragments. Trace disseminated and blebby po-cp. Trace py along rare, planar, fractures with qz-carb. One 50cm thick calcareous mafic dyke transects this interval. Local strong to intense carbonate-biotite alteration is associated with a moderately developed (strained) foliation. Poorly developed micro-fracture network of qz-bi (sulph).
185.74	190.27	Series of dykes through this interval. 1. Strongly silicified, porcelaineous, weakly hbl-pxn phyrlic dyke. 2. Fine-medium grained hbl-pxn phyrlic, silicified, up to 4 modal % qz phenos, deformed. Both dykes have a similar composition, albeit a different grainsize. Py is controlled along fractures with no alteration halo. Pervasive and fracture controlled carbonate alteration is strong through the entire interval. Light bluish green chrysocolla is easily identified on some broken fresh surfaces, still in trace amounts though. Local intervals 10-15cm thick are intensely carb0bi altered and often exhibit a foliated/strained texture. Disseminated and fracture controlled po-cp is trace overall, however 20-30cm intervals push 0.5 modal %. The lower 84cm of this interval is FFPPx as described above this interval.
190.27	205.47	Variable textural expressions of the hbl-pxn (+/-qz) phyrlic mafic dykes with a qz-diorite composition. Fine to medium grained phenocryst sections with up to 10 modal % phenos, other sections are silicified, very fine grained with only 1-2 modal % of the same phenocryst population. Boundaries between grainsize domains are gradual and sharp. Channellized silicification is discrete and fracture-boundary controlled. Disseminated po-cp in trace amounts is pervasive, the majority of sulphides (po-cp)-(py) are fracture coatings throughout the moderately to well developed microfracture network of qz-bi (+/- carb-sulphides) with qz-carb-bi alteration halos. Variability in the textures and lithologies changes over intervals of less than three meters. Intense carb-bi foliated (deformed) domains over 30cm sections are associated with increased calcite veining. Rare rough fractures are coated with white, fibrous, bunched and radiating masses of perfectly formed crystals with a hardness of less than 2. There are only two common options: Talc or Gypsum. I suspect gypsum. Patchy domains 5-10cm thick of qz(+/-cal)-sulphides replacement with up to 1-2 modal % sulphides over those intervals which occur about 1 every three meters
205.47	223.44	Typical fragmental texture in FFPP, poorly developed micro-fracture network, relatively less mafic dyke activity through the interval, only trace trace trace sulphides disseminated and weakly fracture controlled. Fragmental texture is the result of intrusive brecciation and partial fragment resorption. Patchy kf alteration is weak at best. Qz-carb channellized alteration occurs in clusters 1-2cm thick at a density of 1/m. Rare po-cp veinlets. Euhedral is sparsely disseminated along 'late' fractures. Domains 20-30cm thick of strong carbonate alteration and up to 0.5 modal % sulphides are rare, occurring 1 every 7m or so. Biotite-chl-ep replace 20-80% of the pxn phenos. An 80cm thick calcareous mafic dyke with trace to locally up to 0.5 modal % sulphides transects this interval. The dyke is fine grained equigranular, dioritic composition, pervasively bi-chl -(ep) altered.
223.44	228.51	Series of dykes through this interval. 1. Strongly silicified, porcelaineous, weakly hbl-pxn phyrlic dyke. 2. Fine-medium grained anhedral fsp, pervasively bi altered, silicified, mafic dyke, often calcareous, brecciated locally with increase in py-clay alteration. qz-py-(tremolite?) veining throughout clay altered areas adjacent to a 10cm plug of massive po. Up to 0.5 modal % po is disseminated throughout, however the cp content is only trace trace. The massive sulphide plug in this interval lacks cp.
228.51	234.44	Closely packed fragmental texture in FFPP. Only trace trace disseminated po-cp, fracture controlled po-cp is still in trace amounts only. Patchy qz-sc-kf alteration through the matrix gmass. Fragments are hornfelsed and fine grained, often only qz-phenos remain and they are rounded, looking like qz-eyes or amygdules. In earlier logs I mentioned amygdules - which could actually be partially resorbed primary qz-phenos from the qz-diorite inclusions.
234.44	236.4	Fine grained equigranular to very poorly mafic porphyritic, dioritic composition, mafic dyke, a.k.a FGB. Moderately to well developed micro-fracture network controls po-cp distribution. Chill margins are cherty, aphanitic and silicified. Trace sulphides overall. Rare anhedral mafic phenos <1mm in size.
236.4	237.42	as described immediately above the FGMD
237.42	238.62	Silicified, mineralized FFPP. Strong carb-po-(cp) replacement up to 12 modal % over 60cm interval. Strong silicification in microfracture bunches. Trace pyrite along late fractures. Blotchy qz-kf alteration. Biotite-quartz stockwork is strongly developed.

238.62	259.28	Fragments are strongly silicified and have 1-6mm, rounded qz-eyes, up to 5 modal %, which I interpreted earlier as amygules, however it makes more sense for them to be primary, partially reprobbed qz-phenos. This is because there are no volcanic rocks intersected in drilling. The environment is exclusively intrusive. Moderate to well developed qz-bi fracture network controls po-cp distribution. Disseminated po-cp in trace trace amounts. Patchy/blotchy qz-sc-kf alteration in the gmass of the matrix. Biotite-qz veinlet development is moderate, up to 5mm thick. A 50 cm thick, medium grained, qz-pxn phyric granodiorite transects this interval, see structure tab for location. Bi-(chl) complete replacement of pxn phenos.
259.28	265.83	Fragments are strongly silicified and brecciated by intermediate qz-bi microfracture network, trace po-cp dissemination, wiggly qz-veinlts at an intensity of 2 per metre, and trace mm-sized calcite veinlets. 2 mafic dykes with intermediate calcite alteration and increased disseminated po-cp upto 0.5%. Upper and lower contacts of mafic dykes have upto 2% sulphides at the margins.
265.83	267.47	1% equigranular pyx phenocrysts, trace mm-sized qz-carb veinlets, intermediate qz-bi microfracture network, trace po-cp dissemination
267.47	272.72	Fragments are strongly silicified and brecciated by weak-intermediate qz-bi microfracture network, trace po dissemination, trace mm-sized calcite veinlets. 2 mafic dykes with disseminated calite alteration and increased calcite in microfractures, increased disseminated po-cp upto 0.5%.
272.72	274.2	dark grey aphanetic texture, fine grained aphanetic bi-chl phenos, trace po-cp dissemination. 8cm cal-qz-chl-bi-po-cp vein in middle of lithology.
274.2	286.44	irregular shaped fragments 2-10cm in size, fragments are moderately silicified, moderate sericite alteration, and pervasive calcite dissemination, calcite halo around 283.50m vein, patchy calcite replacement. Weakly developed qz-kf stockwork veining, veins 1-3mm thick at a density of 5 per metre, mm-sized qz-cal veining approx. every 1-2m, intermitent cal-qz-chl-bi (+/- po, cp) veins, and wiggly qz veinlets cross cut smooth qz-veinlets. 2 mafic dyklets.
286.44	287.26	Dark grey/black fgmd, 20cm of moderate calcite alteration, trace po-cp on margins of 1cm thick cal-qz vein, trace po-cp dissemination.
287.26	297.14	irregular shaped fragments 2-10cm in size are brecciated by moderate qz-bi microfracture network. Localized 5cm zone of moderate calcerious texture. Localized fracture contains euhedral pyrite crystals (trace). 2 dark grey fgmd mafic dykes 8 to 60cm thick, and one 2cm fine grained dark grey dyklet. After 295.18m fragments are no longer present, strongly silicified, mafic crystals near lithology contact are fine grained and increase in size away from contact boundary,
297.14	300.97	FFPP containg 2-10 cm irregular shaped fragments, that has gone under moderate silicification and sericite alteration. trace, selective-phenocryst replacement and fracture controlled calcite throughout interval. 1-2 cm thick channelled qz-po (cp) mineralization. Interval contains trace amounts of po-py-cp disseminated throughout and patchy distribution of po mineralization. pyrite is dominantly fracture controlled on late fracture
300.97	302.65	medium grey mafic dyke with chill margins. 1-5mm felspar phenos within a qz-bi gmass. Patchy and localized quartz flooding alteration textures. Feldspars phenos have been partially replaced by chlorite and po. Trace amounts of po & cp are fracture-controlled and disseminated, locally reaching up to 0.5 modal %
302.65	315.15	Strongly altered FFPP, clasts are hard to distinguish but are present. Quartz-kf-bi flooding and chlorite alteration prevasive but patchy through interval. False clastic texture is present, caused by alteration. Minor epidote replacement of phenos. euhedral Py, 1-4mm crystals on late fractures. Localized cp-po mineralization @ 307.70m. 30 cm mafic dyke at 305.55m and a 10cm mafic dyke at 308.53m.
315.15	319.82	E.O.H. Fragmental texture is more apparent outside of the strongly altered FFPPa above. Alteration is still mod-strong with: patchy qz-flooding, qz-kf blotchy alteration fronts and false clastic texture blebs of qz-kf. Fragments are silicified relatively more than matrix. Trace dissem po-cp, up to 0.5 modal % locally. Late, rough, brittle, fractures host disseminated/scattered euhedral pyrite. Pyrite content in the final 50m of Hole 3 (this hole) is gradually increasing toward the EOH, although it is still only in trace amounts, it is more pyrite than what is in Hole 1 and 2.

APPENDIX 3 – Assay Sample Intervals

DDH-18-001

Hole_ID	Sample_ID	From_m	To_m	Length_m
DDH-18-001	X966801	0.85	2.13	1.28
DDH-18-001	X966802	2.13	3.58	1.45
DDH-18-001	X966803	3.58	5.45	1.87
DDH-18-001	X966804	5.45	7.45	2.00
DDH-18-001	X966805	7.45	9.45	2.00
DDH-18-001	X966806	9.45	11.20	1.75
DDH-18-001	X966807	11.20	13.00	1.80
DDH-18-001	X966808	13.00	14.46	1.46
DDH-18-001	X966810	14.50	16.20	1.70
DDH-18-001	X966811	16.20	17.73	1.53
DDH-18-001	X966812	17.73	19.33	1.60
DDH-18-001	X966813	19.33	19.97	0.64
DDH-18-001	X966814	19.97	20.82	0.85
DDH-18-001	X966815	20.82	22.39	1.57
DDH-18-001	X966816	22.39	24.04	1.65
DDH-18-001	X966817	24.04	24.64	0.60
DDH-18-001	X966819	24.64	26.00	1.36
DDH-18-001	X966820	26.00	28.00	2.00
DDH-18-001	X966821	28.00	30.00	2.00
DDH-18-001	X966822	30.00	31.78	1.78
DDH-18-001	X966823	31.78	33.71	1.93
DDH-18-001	X966824	33.71	35.50	1.79
DDH-18-001	X966825	35.50	37.31	1.81
DDH-18-001	X966826	37.31	38.05	0.74
DDH-18-001	X966828	38.05	39.77	1.72
DDH-18-001	X966829	39.77	41.00	1.23
DDH-18-001	X966830	41.00	43.00	2.00
DDH-18-001	X966831	43.00	45.00	2.00
DDH-18-001	X966832	45.00	47.00	2.00
DDH-18-001	X966833	47.00	48.69	1.69
DDH-18-001	X966834	48.69	50.22	1.53
DDH-18-001	X966836	50.22	50.77	0.55
DDH-18-001	X966837	50.77	52.70	1.93
DDH-18-001	X966838	52.70	54.48	1.78
DDH-18-001	X966839	54.48	56.00	1.52
DDH-18-001	X966840	56.00	58.04	2.04
DDH-18-001	X966841	58.04	59.00	0.96
DDH-18-001	X966842	59.00	59.85	0.85
DDH-18-001	X966843	59.85	60.50	0.65
DDH-18-001	X966844	60.50	61.57	1.07
DDH-18-001	X966846	61.57	62.65	1.08
DDH-18-001	X966847	62.65	64.00	1.35
DDH-18-001	X966848	64.00	65.20	1.20
DDH-18-001	X966849	65.20	66.74	1.54
DDH-18-001	X966850	66.74	67.92	1.18
DDH-18-001	X966851	67.92	69.55	1.63
DDH-18-001	X966852	69.55	70.28	0.73
DDH-18-001	X966853	70.28	71.09	0.81
DDH-18-001	X966855	71.09	72.08	0.99
DDH-18-001	X966856	72.08	73.36	1.28
DDH-18-001	X966857	73.36	74.40	1.04
DDH-18-001	X966858	74.40	76.17	1.77
DDH-18-001	X966859	76.17	78.00	1.83
DDH-18-001	X966860	78.00	79.33	1.33
DDH-18-001	X966861	79.33	80.88	1.55

DDH-18-001	X966862	80.88	81.85	0.97
DDH-18-001	X966864	81.85	83.00	1.15
DDH-18-001	X966865	83.00	85.00	2.00
DDH-18-001	X966866	85.00	87.00	2.00
DDH-18-001	X966867	87.00	89.00	2.00
DDH-18-001	X966868	89.00	91.00	2.00
DDH-18-001	X966869	91.00	93.26	2.26
DDH-18-001	X966870	93.26	95.00	1.74
DDH-18-001	X966871	95.00	97.00	2.00
DDH-18-001	X966873	97.00	99.00	2.00
DDH-18-001	X966874	99.00	101.00	2.00
DDH-18-001	X966875	101.00	102.72	1.72
DDH-18-001	X966876	102.72	104.44	1.72
DDH-18-001	X966877	104.44	105.85	1.41
DDH-18-001	X966878	105.85	106.92	1.07
DDH-18-001	X966879	106.92	108.35	1.43
DDH-18-001	X966880	108.35	110.00	1.65
DDH-18-001	X966882	110.00	112.00	2.00
DDH-18-001	X966883	112.00	114.06	2.06
DDH-18-001	X966884	114.06	116.10	2.04
DDH-18-001	X966885	116.10	117.50	1.40
DDH-18-001	X966886	117.50	118.94	1.44
DDH-18-001	X966887	118.94	120.32	1.38
DDH-18-001	X966888	120.32	122.04	1.72
DDH-18-001	X966889	122.04	124.05	2.01
DDH-18-001	X966891	124.05	126.22	2.17
DDH-18-001	X966892	126.22	128.00	1.78
DDH-18-001	X966893	128.00	129.50	1.50
DDH-18-001	X966894	129.50	130.91	1.41
DDH-18-001	X966895	130.91	132.50	1.59
DDH-18-001	X966896	132.50	134.13	1.63
DDH-18-001	X966897	134.13	136.00	1.87
DDH-18-001	X966898	136.00	138.00	2.00
DDH-18-001	X966900	138.00	140.00	2.00
DDH-18-001	X966901	140.00	142.00	2.00
DDH-18-001	X966902	142.00	144.00	2.00
DDH-18-001	X966903	144.00	144.60	0.60
DDH-18-001	X966904	144.60	145.96	1.36
DDH-18-001	X966905	145.96	147.98	2.02
DDH-18-001	X966906	147.98	149.94	1.96
DDH-18-001	X966907	149.94	151.96	2.02
DDH-18-001	X966909	151.96	153.48	1.52
DDH-18-001	X966910	153.48	155.20	1.72
DDH-18-001	X966911	155.20	156.80	1.60
DDH-18-001	X966912	156.80	158.13	1.33
DDH-18-001	X966913	158.13	160.03	1.90
DDH-18-001	X966914	160.03	162.04	2.01
DDH-18-001	X966915	162.04	164.00	1.96
DDH-18-001	X966916	164.00	166.00	2.00
DDH-18-001	X966918	166.00	168.00	2.00
DDH-18-001	X966919	168.00	170.00	2.00
DDH-18-001	X966920	170.00	172.00	2.00
DDH-18-001	X966921	172.00	173.43	1.43
DDH-18-001	X966922	173.43	174.77	1.34
DDH-18-001	X966923	174.77	176.53	1.76
DDH-18-001	X966924	176.53	177.50	0.97
DDH-18-001	X966925	177.50	178.81	1.31
DDH-18-001	X966927	178.81	179.31	0.50

DDH-18-001	X966928	179.31	180.05	0.74
DDH-18-001	X966929	180.05	181.97	1.92
DDH-18-001	X966930	181.97	184.00	2.03
DDH-18-001	X966931	184.00	186.00	2.00
DDH-18-001	X966932	186.00	188.06	2.06
DDH-18-001	X966933	188.06	190.07	2.01
DDH-18-001	X966934	190.07	192.00	1.93
DDH-18-001	X966936	192.00	194.00	2.00
DDH-18-001	X966937	194.00	196.00	2.00
DDH-18-001	X966938	196.00	198.38	2.38
DDH-18-001	X966939	198.38	199.40	1.02
DDH-18-001	X966940	199.40	201.10	1.70
DDH-18-001	X966941	201.10	202.78	1.68
DDH-18-001	X966942	202.78	204.31	1.53
DDH-18-001	X966943	204.31	206.07	1.76
DDH-18-001	X966945	206.07	207.72	1.65
DDH-18-001	X966946	207.72	209.78	2.06
DDH-18-001	X966947	209.78	210.66	0.88
DDH-18-001	X966948	210.66	212.45	1.79
DDH-18-001	X966949	212.45	214.00	1.55
DDH-18-001	X966950	214.00	216.00	2.00
DDH-18-001	X966951	216.00	218.00	2.00
DDH-18-001	X966952	218.00	219.64	1.64
DDH-18-001	X966954	219.64	221.00	1.36
DDH-18-001	X966955	221.00	222.65	1.65
DDH-18-001	X966956	222.65	224.67	2.02
DDH-18-001	X966957	224.67	225.92	1.25
DDH-18-001	X966958	225.92	227.46	1.54
DDH-18-001	X966959	227.46	228.38	0.92
DDH-18-001	X966960	228.38	229.60	1.22
DDH-18-001	X966961	229.60	230.90	1.30
DDH-18-001	X966963	230.90	232.84	1.94
DDH-18-001	X966964	232.84	234.37	1.53
DDH-18-001	X966965	234.37	236.00	1.63
DDH-18-001	X966966	236.00	238.00	2.00
DDH-18-001	X966967	238.00	240.00	2.00
DDH-18-001	X966968	240.00	242.00	2.00
DDH-18-001	X966969	242.00	244.00	2.00
DDH-18-001	X966970	244.00	245.97	1.97
DDH-18-001	X966972	245.97	248.02	2.05
DDH-18-001	X966973	248.02	249.86	1.84
DDH-18-001	X966974	249.86	251.60	1.74
DDH-18-001	X966975	251.60	253.25	1.65
DDH-18-001	X966976	253.25	254.35	1.10
DDH-18-001	X966977	254.35	255.71	1.36
DDH-18-001	X966978	255.71	258.24	2.53
DDH-18-001	X966980	258.24	259.37	1.13
DDH-18-001	X966981	259.37	261.37	2.00
DDH-18-001	X966982	261.37	263.32	1.95
DDH-18-001	X966983	263.32	265.00	1.68
DDH-18-001	X966984	265.00	267.00	2.00
DDH-18-001	X966985	267.00	269.00	2.00
DDH-18-001	X966986	269.00	270.96	1.96
DDH-18-001	X966987	270.96	273.00	2.04
DDH-18-001	X966988	273.00	275.00	2.00
DDH-18-001	X966990	275.00	277.00	2.00
DDH-18-001	X966991	277.00	279.00	2.00
DDH-18-001	X966992	279.00	281.02	2.02

DDH-18-001	X966993	281.02	282.55	1.53
DDH-18-001	X966994	282.55	284.44	1.89
DDH-18-001	X966995	284.44	285.66	1.22
DDH-18-001	X966996	285.66	286.56	0.90
DDH-18-001	X966997	286.56	288.65	2.09

E.O.H.

Hole_ID	Sample_ID	From_m	To_m	Length_m	QAQC
DDH-18-001	X966809	13	13	0	CDN-ME-1414
DDH-18-001	X966818	24.04	24.04	0	CDN-ME-1403
DDH-18-001	X966827	37.31	37.31	0	BLANK
DDH-18-001	X966835	48.69	50.22	1.53	FIELD DUPLICATE
DDH-18-001	X966845	60.5	60.5	0	CDN-ME-1414
DDH-18-001	X966854	70.28	70.28	0	CDN-ME-1403
DDH-18-001	X966863	80.88	80.88	0	BLANK
DDH-18-001	X966872	95	97	2	FIELD DUPLICATE
DDH-18-001	X966881	108.35	108.35	0	CDN-ME-1414
DDH-18-001	X966890	122.04	122.04	0	CDN-ME-1403
DDH-18-001	X966899	136	136	0	BLANK
DDH-18-001	X966908	149.94	151.96	2.02	FIELD DUPLICATE
DDH-18-001	X966917	164	164	0	CDN-ME-1414
DDH-18-001	X966926	177.5	177.5	0	CDN-ME-1403
DDH-18-001	X966935	190.07	190.07	0	BLANK
DDH-18-001	X966944	204.31	206.07	1.76	FIELD DUPLICATE
DDH-18-001	X966953	218	218	0	CDN-ME-1414
DDH-18-001	X966962	229.6	229.6	0	CDN-ME-1403
DDH-18-001	X966971	244	244	0	BLANK
DDH-18-001	X966979	255.71	258.24	2.53	FIELD DUPLICATE
DDH-18-001	X966989	273	273	0	CDN-ME-1414
DDH-18-001	X966998	286.56	286.56	0	CDN-ME-1403

DDH-18-002

Hole_ID	Sample_ID	From_m	To_m	Length_m
DDH-18-002	X966999	0.88	2.70	1.82
DDH-18-002	X967000	2.70	4.27	1.57
DDH-18-002	X967001	4.27	5.83	1.56
DDH-18-002	X967002	5.83	7.67	1.84
DDH-18-002	X967003	7.67	9.14	1.47
DDH-18-002	X967004	9.14	11.09	1.95
DDH-18-002	X967005	11.09	13.00	1.91
DDH-18-002	X967006	13.00	14.89	1.89
DDH-18-002	X967008	14.89	16.37	1.48
DDH-18-002	X967009	16.37	17.56	1.19
DDH-18-002	X967010	17.56	19.46	1.90
DDH-18-002	X967011	19.46	21.45	1.99
DDH-18-002	X967012	21.45	22.82	1.37
DDH-18-002	X967013	22.82	24.77	1.95
DDH-18-002	X967014	24.77	26.36	1.59
DDH-18-002	X967015	26.36	27.80	1.44
DDH-18-002	X967017	27.80	29.17	1.37
DDH-18-002	X967018	29.17	30.46	1.29
DDH-18-002	X967019	30.46	31.58	1.12
DDH-18-002	X967020	31.58	33.05	1.47
DDH-18-002	X967021	33.05	34.43	1.38
DDH-18-002	X967022	34.43	36.35	1.92
DDH-18-002	X967023	36.35	38.08	1.73
DDH-18-002	X967024	38.08	39.32	1.24
DDH-18-002	X967026	39.32	40.80	1.48

DDH-18-002	X967027	40.80	42.32	1.52
DDH-18-002	X967028	42.32	43.95	1.63
DDH-18-002	X967029	43.95	45.45	1.50
DDH-18-002	X967030	45.45	46.92	1.47
DDH-18-002	X967031	46.92	48.54	1.62
DDH-18-002	X967032	48.54	49.84	1.30
DDH-18-002	X967033	49.84	51.74	1.90
DDH-18-002	X967035	51.74	53.16	1.42
DDH-18-002	X967036	53.16	54.39	1.23
DDH-18-002	X967037	54.39	55.95	1.56
DDH-18-002	X967038	55.95	58.06	2.11
DDH-18-002	X967039	58.06	59.28	1.22
DDH-18-002	X967040	59.28	60.50	1.22
DDH-18-002	X967041	60.50	61.50	1.00
DDH-18-002	X967042	61.50	62.88	1.38
DDH-18-002	X967044	62.88	64.29	1.41
DDH-18-002	X967045	64.29	65.76	1.47
DDH-18-002	X967046	65.76	66.91	1.15
DDH-18-002	X967047	66.91	68.20	1.29
DDH-18-002	X967048	68.20	69.79	1.59
DDH-18-002	X967049	69.79	71.35	1.56
DDH-18-002	X967050	71.35	73.05	1.70
DDH-18-002	X967051	73.05	74.66	1.61
DDH-18-002	X967053	74.66	76.26	1.60
DDH-18-002	X967054	76.26	77.80	1.54
DDH-18-002	X967055	77.80	79.03	1.23
DDH-18-002	X967056	79.03	80.46	1.43
DDH-18-002	X967057	80.46	81.67	1.21
DDH-18-002	X967058	81.67	82.50	0.83
DDH-18-002	X967060	82.50	83.76	1.26
DDH-18-002	X967061	83.76	84.85	1.09
DDH-18-002	X967062	84.85	85.98	1.13
DDH-18-002	X967063	85.98	87.48	1.50
DDH-18-002	X967064	87.48	89.22	1.74
DDH-18-002	X967065	89.22	90.90	1.68
DDH-18-002	X967066	90.90	92.85	1.95
DDH-18-002	X967067	92.85	94.69	1.84
DDH-18-002	X967069	94.69	96.62	1.93
DDH-18-002	X967070	96.62	98.54	1.92
DDH-18-002	X967071	98.54	100.05	1.51
DDH-18-002	X967072	100.05	102.04	1.99
DDH-18-002	X967073	102.04	103.85	1.81
DDH-18-002	X967074	103.85	105.30	1.45
DDH-18-002	X967075	105.30	106.50	1.20
DDH-18-002	X967076	106.50	108.14	1.64
DDH-18-002	X967078	108.14	110.17	2.03
DDH-18-002	X967079	110.17	111.27	1.10
DDH-18-002	X967080	111.27	113.53	2.26
DDH-18-002	X967081	113.53	115.15	1.62
DDH-18-002	X967082	115.15	117.00	1.85
DDH-18-002	X967083	117.00	119.00	2.00
DDH-18-002	X967084	119.00	121.01	2.01
DDH-18-002	X967085	121.01	123.00	1.99
DDH-18-002	X967087	123.00	125.00	2.00
DDH-18-002	X967088	125.00	127.00	2.00
DDH-18-002	X967089	127.00	128.97	1.97
DDH-18-002	X967090	128.97	131.22	2.25
DDH-18-002	X967091	131.22	133.58	2.36

DDH-18-002	X967092	133.58	134.96	1.38
DDH-18-002	X967093	134.96	137.16	2.20
DDH-18-002	X967094	137.16	138.99	1.83
DDH-18-002	X967096	138.99	141.14	2.15
DDH-18-002	X967097	141.14	143.15	2.01
DDH-18-002	X967098	143.15	145.12	1.97
DDH-18-002	X967099	145.12	147.17	2.05
DDH-18-002	X967100	147.17	149.19	2.02
DDH-18-002	X967101	149.19	150.20	1.01
DDH-18-002	X967102	150.20	151.39	1.19
DDH-18-002	X967103	151.39	152.62	1.23
DDH-18-002	X967105	152.62	154.37	1.75
DDH-18-002	X967106	154.37	155.85	1.48
DDH-18-002	X967107	155.85	157.31	1.46
DDH-18-002	X967108	157.31	158.36	1.05
DDH-18-002	X967109	158.36	159.70	1.34
DDH-18-002	X967110	159.70	161.03	1.33
DDH-18-002	X967111	161.03	162.94	1.91
DDH-18-002	X967112	162.94	164.94	2.00
DDH-18-002	X967114	164.94	167.08	2.14
DDH-18-002	X967115	167.08	169.08	2.00
DDH-18-002	X967116	169.08	171.00	1.92
DDH-18-002	X967117	171.00	173.00	2.00
DDH-18-002	X967118	173.00	175.00	2.00
DDH-18-002	X967119	175.00	177.02	2.02
DDH-18-002	X967120	177.02	178.92	1.90
DDH-18-002	X967121	178.92	180.64	1.72
DDH-18-002	X967123	180.64	182.31	1.67
DDH-18-002	X967124	182.31	183.88	1.57
DDH-18-002	X967125	183.88	185.61	1.73
DDH-18-002	X967126	185.61	187.37	1.76
DDH-18-002	X967127	187.37	189.13	1.76
DDH-18-002	X967128	189.13	190.53	1.40
DDH-18-002	X967129	190.53	191.83	1.30
DDH-18-002	X967130	191.83	193.62	1.79
DDH-18-002	X967132	193.62	195.07	1.45
DDH-18-002	X967133	195.07	197.00	1.93
DDH-18-002	X967134	197.00	199.00	2.00
DDH-18-002	X967135	199.00	201.00	2.00
DDH-18-002	X967136	201.00	203.00	2.00
DDH-18-002	X967137	203.00	205.00	2.00
DDH-18-002	X967138	205.00	207.00	2.00
DDH-18-002	X967139	207.00	209.00	2.00
DDH-18-002	X967141	209.00	211.00	2.00
DDH-18-002	X967142	211.00	212.98	1.98
DDH-18-002	X967143	212.98	215.00	2.02
DDH-18-002	X967144	215.00	217.00	2.00
DDH-18-002	X967145	217.00	218.54	1.54
DDH-18-002	X967146	218.54	221.00	2.46
DDH-18-002	X967147	221.00	222.31	1.31
DDH-18-002	X967148	222.31	224.00	1.69
DDH-18-002	X967150	224.00	226.00	2.00
DDH-18-002	X967151	226.00	226.98	0.98
DDH-18-002	X967152	226.98	229.00	2.02
DDH-18-002	X967153	229.00	231.02	2.02
DDH-18-002	X967154	231.02	232.08	1.06
DDH-18-002	X967155	232.08	233.98	1.90
DDH-18-002	X967156	233.98	235.94	1.96

DDH-18-002	X967157	235.94	238.00	2.06
DDH-18-002	X967159	238.00	239.88	1.88
DDH-18-002	X967160	239.88	241.50	1.62
DDH-18-002	X967161	241.50	243.16	1.66
DDH-18-002	X967162	243.16	244.32	1.16
DDH-18-002	X967163	244.32	245.80	1.48
DDH-18-002	X967164	245.80	247.15	1.35
DDH-18-002	X967165	247.15	249.02	1.87
DDH-18-002	X967166	249.02	250.77	1.75
DDH-18-002	X967168	250.77	252.26	1.49
DDH-18-002	X967169	252.26	253.87	1.61
DDH-18-002	X967170	253.87	255.40	1.53
DDH-18-002	X967171	255.40	257.10	1.70
DDH-18-002	X967172	257.10	258.72	1.62
DDH-18-002	X967173	258.72	260.59	1.87
DDH-18-002	X967174	260.59	262.24	1.65
DDH-18-002	X967175	262.24	263.66	1.42
DDH-18-002	X967177	263.66	264.95	1.29
DDH-18-002	X967178	264.95	266.52	1.57
DDH-18-002	X967179	266.52	267.91	1.39
DDH-18-002	X967180	267.91	269.46	1.55
DDH-18-002	X967181	269.46	271.00	1.54
DDH-18-002	X967182	271.00	272.48	1.48
DDH-18-002	X967183	272.48	274.00	1.52
DDH-18-002	X967184	274.00	275.74	1.74
DDH-18-002	X967186	275.74	277.01	1.27
DDH-18-002	X967187	277.01	279.00	1.99
DDH-18-002	X967188	279.00	281.00	2.00
DDH-18-002	X967189	281.00	282.55	1.55
DDH-18-002	X967190	282.55	284.15	1.60
DDH-18-002	X967191	284.15	285.88	1.73
DDH-18-002	X967192	285.88	287.79	1.91
DDH-18-002	X967193	287.79	288.45	0.66
DDH-18-002	X967195	288.45	290.45	2.00
DDH-18-002	X967196	290.45	292.26	1.81
DDH-18-002	X967197	292.26	293.69	1.43
DDH-18-002	X967198	293.69	295.20	1.51
DDH-18-002	X967199	295.20	295.89	0.69
DDH-18-002	X967200	295.89	297.79	1.90
DDH-18-002	X967201	297.79	298.98	1.19
DDH-18-002	X967202	298.98	300.14	1.16
DDH-18-002	X967204	300.14	302.03	1.89
DDH-18-002	X967205	302.03	304.11	2.08
DDH-18-002	X967206	304.11	306.00	1.89
DDH-18-002	X967207	306.00	308.01	2.01
DDH-18-002	X967208	308.01	309.98	1.97
DDH-18-002	X967209	309.98	312.00	2.02
DDH-18-002	X967210	312.00	314.07	2.07
DDH-18-002	X967211	314.07	315.73	1.66
DDH-18-002	X967213	315.73	317.29	1.56
DDH-18-002	X967214	317.29	319.35	2.06
DDH-18-002	X967215	319.35	321.40	2.05
DDH-18-002	X967216	321.40	323.59	2.19
DDH-18-002	X967217	323.59	325.22	1.63
DDH-18-002	X967218	325.22	326.70	1.48
DDH-18-002	X967219	326.70	328.66	1.96
DDH-18-002	X967220	328.66	330.40	1.74
DDH-18-002	X967222	330.40	332.00	1.60

DDH-18-002	X967223	332.00	333.89	1.89
DDH-18-002	X967224	333.89	335.76	1.87
DDH-18-002	X967225	335.76	336.79	1.03
DDH-18-002	X967226	336.79	338.06	1.27
DDH-18-002	X967227	338.06	339.84	1.78
DDH-18-002	X967228	339.84	341.44	1.60
DDH-18-002	X967229	341.44	343.24	1.80
DDH-18-002	X967231	343.24	345.22	1.98
DDH-18-002	X967232	345.22	346.59	1.37
DDH-18-002	X967233	346.59	347.26	0.67
DDH-18-002	X967234	347.26	349.00	1.74
DDH-18-002	X967235	349.00	350.82	1.82
DDH-18-002	X967236	350.82	352.82	2.00
DDH-18-002	X967237	352.82	353.67	0.85
DDH-18-002	X967238	353.67	355.65	1.98
DDH-18-002	X967240	355.65	357.40	1.75
DDH-18-002	X967241	357.40	358.96	1.56
DDH-18-002	X967242	358.96	360.51	1.55
DDH-18-002	X967243	360.51	361.80	1.29
DDH-18-002	X967244	361.80	363.13	1.33
DDH-18-002	X967245	363.13	364.04	0.91
DDH-18-002	X967246	364.04	365.65	1.61
DDH-18-002	X967247	365.65	367.43	1.78
DDH-18-002	X967249	367.43	369.03	1.60
DDH-18-002	X967250	369.03	370.50	1.47
DDH-18-002	X967251	370.50	371.85	1.35
DDH-18-002	X967252	371.85	373.54	1.69
DDH-18-002	X967253	373.54	374.82	1.28
DDH-18-002	X967254	374.82	376.65	1.83
DDH-18-002	X967255	376.65	378.52	1.87
DDH-18-002	X967256	378.52	379.91	1.39
DDH-18-002	X967258	379.91	381.38	1.47
DDH-18-002	X967259	381.38	382.83	1.45
DDH-18-002	X967260	382.83	384.05	1.22
DDH-18-002	X967261	384.05	385.56	1.51
DDH-18-002	X967262	385.56	386.88	1.32
DDH-18-002	X967263	386.88	388.08	1.20
DDH-18-002	X967264	388.08	389.94	1.86
DDH-18-002	X967265	389.94	391.81	1.87
DDH-18-002	X967267	391.81	393.60	1.79
DDH-18-002	X967268	393.60	395.18	1.58
DDH-18-002	X967269	395.18	396.19	1.01
DDH-18-002	X967270	396.19	398.08	1.89
DDH-18-002	X967271	398.08	399.60	1.52
DDH-18-002	X967272	399.60	401.85	2.25
DDH-18-002	X967273	401.85	403.19	1.34
DDH-18-002	X967274	403.19	404.47	1.28
DDH-18-002	X967276	404.47	405.74	1.27
DDH-18-002	X967277	405.74	407.39	1.65
DDH-18-002	X967278	407.39	408.89	1.50
DDH-18-002	X967279	408.89	410.22	1.33
DDH-18-002	X967280	410.22	411.91	1.69
DDH-18-002	X967281	411.91	413.61	1.70
DDH-18-002	X967282	413.61	415.39	1.78
DDH-18-002	X967283	415.39	417.34	1.95
DDH-18-002	X967285	417.34	418.11	0.77
DDH-18-002	X967286	418.11	419.51	1.40
DDH-18-002	X967287	419.51	421.03	1.52

DDH-18-002	X967288	421.03	422.28	1.25
DDH-18-002	X967289	422.28	423.32	1.04
DDH-18-002	X967290	423.32	425.08	1.76
DDH-18-002	X967291	425.08	426.62	1.54
DDH-18-002	X967292	426.62	428.50	1.88
DDH-18-002	X967294	428.50	430.50	2.00
DDH-18-002	X967295	430.50	432.50	2.00
DDH-18-002	X967296	432.50	433.84	1.34
DDH-18-002	X967297	433.84	435.06	1.22
DDH-18-002	X967298	435.06	436.90	1.84
DDH-18-002	X967299	436.90	438.50	1.60
DDH-18-002	X967300	438.50	440.14	1.64
DDH-18-002	X967301	440.14	441.19	1.05
DDH-18-002	X967303	441.19	442.50	1.31
DDH-18-002	X967304	442.50	444.32	1.82
DDH-18-002	X967305	444.32	445.95	1.63
DDH-18-002	X967306	445.95	447.77	1.82
DDH-18-002	X967307	447.77	449.73	1.96
DDH-18-002	X967308	449.73	451.14	1.41
DDH-18-002	X967309	451.14	452.79	1.65
DDH-18-002	X967310	452.79	454.16	1.37
DDH-18-002	X967312	454.16	455.67	1.51
DDH-18-002	X967313	455.67	457.06	1.39
DDH-18-002	X967314	457.06	459.00	1.94
DDH-18-002	X967315	459.00	461.00	2.00
DDH-18-002	X967316	461.00	462.78	1.78
DDH-18-002	X967317	462.78	463.88	1.10
DDH-18-002	X967318	463.88	465.43	1.55
DDH-18-002	X967319	465.43	467.00	1.57
DDH-18-002	X967321	467.00	468.48	1.48

E.O.H.

Hole_ID	Sample_ID	From_m	To_m	Length_m	QAQC
DDH-18-002	X967007	13.00	13.00	0.00	CDN-BL-10
DDH-18-002	X967016	26.36	27.80	1.44	DUPLICATE
DDH-18-002	X967025	38.08	38.08	0.00	CDN-ME-1414
DDH-18-002	X967034	49.84	49.84	0.00	CDN-ME-1403
DDH-18-002	X967043	61.50	62.88	1.38	DUPLICATE
DDH-18-002	X967052	74.66	74.66	0.00	CDN-BL-10
DDH-18-002	X967059	81.67	81.67	0.00	CDN-ME-1402
DDH-18-002	X967068	92.85	92.85	0.00	CDN-ME-1403
DDH-18-002	X967077	106.50	106.50	0.00	CDN-BL-10
DDH-18-002	X967086	121.01	123.00	1.99	DUPLICATE
DDH-18-002	X967095	137.16	137.16	0.00	CDN-ME-1414
DDH-18-002	X967104	151.39	151.39	0.00	CDN-ME-1403
DDH-18-002	X967113	162.94	162.94	0.00	CDN-BL-10
DDH-18-002	X967122	178.92	180.64	1.72	DUPLICATE
DDH-18-002	X967131	191.83	191.83	0.00	CDN-ME-1414
DDH-18-002	X967140	207.00	207.00	0.00	CDN-ME-1403
DDH-18-002	X967149	222.31	222.31	0.00	CDN-BL-10
DDH-18-002	X967158	235.94	238.00	2.06	DUPLICATE
DDH-18-002	X967167	249.02	249.02	0.00	CDN-ME-1414
DDH-18-002	X967176	262.24	262.24	0.00	CDN-ME-1403
DDH-18-002	X967185	274.00	274.00	0.00	BLANK
DDH-18-002	X967194	287.79	288.45	0.66	DUPLICATE
DDH-18-002	X967203	298.98	298.98	0.00	CDN-ME-1414
DDH-18-002	X967212	314.07	314.07	0.00	CDN-ME-1403
DDH-18-002	X967221	328.66	328.66	0.00	CDN-BL-10

DDH-18-002	X967230	341.44	343.24	1.80	DUPLICATE
DDH-18-002	X967239	353.67	353.67	0.00	CDN-ME-1414
DDH-18-002	X967248	365.65	365.65	0.00	CDN-ME-1403
DDH-18-002	X967257	378.52	378.52	0.00	CDN-BL-10
DDH-18-002	X967266	389.94	391.81	1.87	DUPLICATE
DDH-18-002	X967275	403.19	403.19	0.00	CDN-ME-1414
DDH-18-002	X967284	415.39	415.39	0.00	CDN-ME-1403
DDH-18-002	X967293	426.62	426.62	0.00	CDN-BL-10
DDH-18-002	X967302	440.14	440.14	0.00	CDN-BL-10
DDH-18-002	X967311	452.79	452.79	0.00	CDN-ME-1414
DDH-18-002	X967320	465.43	467.00	1.57	DUPLICATE

DDH-18-003

Hole_ID	Sample_ID	From_m	To_m	Length_m
DDH-18-003	X967322	1.00	3.07	2.07
DDH-18-003	X967323	3.07	4.79	1.72
DDH-18-003	X967324	4.79	6.15	1.36
DDH-18-003	X967325	6.15	7.47	1.32
DDH-18-003	X967326	7.47	8.89	1.42
DDH-18-003	X967327	8.89	10.39	1.50
DDH-18-003	X967328	10.39	11.92	1.53
DDH-18-003	X967330	11.92	13.18	1.26
DDH-18-003	X967331	13.18	14.32	1.14
DDH-18-003	X967332	14.32	16.00	1.68
DDH-18-003	X967333	16.00	18.00	2.00
DDH-18-003	X967334	18.00	20.00	2.00
DDH-18-003	X967335	20.00	22.00	2.00
DDH-18-003	X967336	22.00	24.00	2.00
DDH-18-003	X967337	24.00	26.00	2.00
DDH-18-003	X967339	26.00	28.00	2.00
DDH-18-003	X967340	28.00	29.57	1.57
DDH-18-003	X967341	29.57	31.11	1.54
DDH-18-003	X967342	31.11	31.80	0.69
DDH-18-003	X967343	31.80	33.58	1.78
DDH-18-003	X967344	33.58	35.37	1.79
DDH-18-003	X967345	35.37	37.43	2.06
DDH-18-003	X967346	37.43	39.00	1.57
DDH-18-003	X967348	39.00	40.61	1.61
DDH-18-003	X967349	40.61	42.72	2.11
DDH-18-003	X967350	42.72	44.00	1.28
DDH-18-003	X967351	44.00	46.00	2.00
DDH-18-003	X967352	46.00	48.00	2.00
DDH-18-003	X967353	48.00	50.00	2.00
DDH-18-003	X967354	50.00	52.00	2.00
DDH-18-003	X967355	52.00	54.03	2.03
DDH-18-003	X967357	54.03	56.10	2.07
DDH-18-003	X967358	56.10	58.11	2.01
DDH-18-003	X967359	58.11	60.05	1.94
DDH-18-003	X967360	60.05	62.00	1.95
DDH-18-003	X967361	62.00	64.00	2.00
DDH-18-003	X967362	64.00	65.97	1.97
DDH-18-003	X967363	65.97	67.96	1.99
DDH-18-003	X967365	67.96	69.63	1.67
DDH-18-003	X967366	69.63	71.45	1.82
DDH-18-003	X967367	71.45	73.08	1.63
DDH-18-003	X967368	73.08	74.44	1.36

DDH-18-003	X967369	74.44	76.07	1.63
DDH-18-003	X967370	76.07	77.49	1.42
DDH-18-003	X967371	77.49	79.32	1.83
DDH-18-003	X967372	79.32	81.25	1.93
DDH-18-003	X967374	81.25	83.25	2.00
DDH-18-003	X967375	83.25	84.23	0.98
DDH-18-003	X967376	84.23	85.27	1.04
DDH-18-003	X967377	85.27	86.92	1.65
DDH-18-003	X967378	86.92	87.92	1.00
DDH-18-003	X967379	87.92	88.81	0.89
DDH-18-003	X967380	88.81	90.70	1.89
DDH-18-003	X967381	90.70	92.70	2.00
DDH-18-003	X967383	92.70	94.05	1.35
DDH-18-003	X967384	94.05	95.31	1.26
DDH-18-003	X967385	95.31	96.15	0.84
DDH-18-003	X967386	96.15	97.03	0.88
DDH-18-003	X967387	97.03	99.00	1.97
DDH-18-003	X967388	99.00	101.00	2.00
DDH-18-003	X967389	101.00	103.11	2.11
DDH-18-003	X967391	103.11	103.89	0.78
DDH-18-003	X967392	103.89	105.46	1.57
DDH-18-003	X967393	105.46	107.33	1.87
DDH-18-003	X967394	107.33	108.70	1.37
DDH-18-003	X967395	108.70	110.50	1.80
DDH-18-003	X967396	110.50	111.86	1.36
DDH-18-003	X967397	111.86	113.80	1.94
DDH-18-003	X967398	113.80	115.60	1.80
DDH-18-003	X967399	115.60	117.50	1.90
DDH-18-003	X967401	117.50	119.00	1.50
DDH-18-003	X967402	119.00	121.01	2.01
DDH-18-003	X967403	121.01	123.00	1.99
DDH-18-003	X967404	123.00	125.00	2.00
DDH-18-003	X967405	125.00	127.00	2.00
DDH-18-003	X967406	127.00	128.29	1.29
DDH-18-003	X967407	128.29	130.02	1.73
DDH-18-003	X967408	130.02	131.75	1.73
DDH-18-003	X967410	131.75	133.36	1.61
DDH-18-003	X967411	133.36	134.85	1.49
DDH-18-003	X967412	134.85	136.35	1.50
DDH-18-003	X967413	136.35	138.17	1.82
DDH-18-003	X967414	138.17	139.95	1.78
DDH-18-003	X967415	139.95	140.95	1.00
DDH-18-003	X967416	140.95	141.89	0.94
DDH-18-003	X967417	141.89	143.74	1.85
DDH-18-003	X967419	143.74	145.72	1.98
DDH-18-003	X967420	145.72	147.78	2.06
DDH-18-003	X967421	147.78	149.42	1.64
DDH-18-003	X967422	149.42	150.91	1.49
DDH-18-003	X967423	150.91	152.62	1.71
DDH-18-003	X967424	152.62	154.32	1.70
DDH-18-003	X967425	154.32	156.00	1.68
DDH-18-003	X967426	156.00	157.58	1.58
DDH-18-003	X967428	157.58	159.40	1.82
DDH-18-003	X967429	159.40	160.94	1.54
DDH-18-003	X967430	160.94	161.98	1.04
DDH-18-003	X967431	161.98	163.43	1.45
DDH-18-003	X967432	163.43	164.59	1.16
DDH-18-003	X967433	164.59	165.70	1.11

DDH-18-003	X967434	165.70	167.45	1.75
DDH-18-003	X967435	167.45	169.12	1.67
DDH-18-003	X967437	169.12	171.13	2.01
DDH-18-003	X967438	171.13	173.14	2.01
DDH-18-003	X967439	173.14	175.00	1.86
DDH-18-003	X967440	175.00	177.00	2.00
DDH-18-003	X967441	177.00	179.00	2.00
DDH-18-003	X967442	179.00	180.90	1.90
DDH-18-003	X967443	180.90	182.70	1.80
DDH-18-003	X967444	182.70	184.40	1.70
DDH-18-003	X967446	184.40	185.74	1.34
DDH-18-003	X967447	185.74	186.85	1.11
DDH-18-003	X967448	186.85	188.06	1.21
DDH-18-003	X967449	188.06	189.43	1.37
DDH-18-003	X967450	189.43	190.27	0.84
DDH-18-003	X967451	190.27	192.06	1.79
DDH-18-003	X967452	192.06	193.89	1.83
DDH-18-003	X967453	193.89	195.74	1.85
DDH-18-003	X967455	195.74	197.21	1.47
DDH-18-003	X967456	197.21	198.73	1.52
DDH-18-003	X967457	198.73	200.35	1.62
DDH-18-003	X967458	200.35	201.90	1.55
DDH-18-003	X967459	201.90	203.61	1.71
DDH-18-003	X967460	203.61	205.47	1.86
DDH-18-003	X967461	205.47	207.47	2.00
DDH-18-003	X967462	207.47	209.52	2.05
DDH-18-003	X967464	209.52	211.57	2.05
DDH-18-003	X967465	211.57	212.45	0.88
DDH-18-003	X967466	212.45	214.38	1.93
DDH-18-003	X967467	214.38	216.40	2.02
DDH-18-003	X967468	216.40	218.35	1.95
DDH-18-003	X967469	218.35	219.93	1.58
DDH-18-003	X967470	219.93	221.85	1.92
DDH-18-003	X967471	221.85	223.44	1.59
DDH-18-003	X967473	223.44	224.80	1.36
DDH-18-003	X967474	224.80	225.96	1.16
DDH-18-003	X967475	225.96	227.18	1.22
DDH-18-003	X967476	227.18	228.51	1.33
DDH-18-003	X967477	228.51	229.67	1.16
DDH-18-003	X967478	229.67	231.67	2.00
DDH-18-003	X967479	231.67	233.10	1.43
DDH-18-003	X967480	233.10	234.44	1.34
DDH-18-003	X967482	234.44	236.40	1.96
DDH-18-003	X967483	236.40	237.42	1.02
DDH-18-003	X967484	237.42	238.02	0.60
DDH-18-003	X967485	238.02	239.16	1.14
DDH-18-003	X967486	239.16	241.16	2.00
DDH-18-003	X967487	241.16	243.14	1.98
DDH-18-003	X967488	243.14	244.00	0.86
DDH-18-003	X967489	244.00	245.97	1.97
DDH-18-003	X967491	245.97	248.00	2.03
DDH-18-003	X967492	248.00	250.00	2.00
DDH-18-003	X967493	250.00	252.00	2.00
DDH-18-003	X967494	252.00	254.00	2.00
DDH-18-003	X967495	254.00	256.00	2.00
DDH-18-003	X967496	256.00	257.70	1.70
DDH-18-003	X967497	257.70	258.66	0.96
DDH-18-003	X967498	258.66	259.93	1.27

DDH-18-003	X967500	259.93	261.41	1.48
DDH-18-003	X967501	261.41	262.05	0.64
DDH-18-003	X967502	262.05	263.94	1.89
DDH-18-003	X967503	263.94	265.83	1.89
DDH-18-003	X967504	265.83	267.47	1.64
DDH-18-003	X967505	267.47	269.00	1.53
DDH-18-003	X967506	269.00	270.54	1.54
DDH-18-003	X967507	270.54	271.26	0.72
DDH-18-003	X967509	271.26	272.72	1.46
DDH-18-003	X967510	272.72	274.20	1.48
DDH-18-003	X967511	274.20	276.20	2.00
DDH-18-003	X967512	276.20	278.20	2.00
DDH-18-003	X967513	278.20	279.50	1.30
DDH-18-003	X967514	279.50	281.50	2.00
DDH-18-003	X967515	281.50	283.50	2.00
DDH-18-003	X967516	283.50	285.00	1.50
DDH-18-003	X967518	285.00	286.44	1.44
DDH-18-003	X967519	286.44	287.26	0.82
DDH-18-003	X967520	287.26	289.26	2.00
DDH-18-003	X967521	289.26	291.26	2.00
DDH-18-003	X967522	291.26	293.26	2.00
DDH-18-003	X967524	293.26	294.96	1.70
DDH-18-003	X967525	294.96	295.18	0.22
DDH-18-003	X967526	295.18	297.14	1.96
DDH-18-003	X967527	297.14	298.20	1.06
DDH-18-003	X967528	298.20	299.39	1.19
DDH-18-003	X967529	299.39	300.97	1.58
DDH-18-003	X967530	300.97	302.68	1.71
DDH-18-003	X967531	302.68	304.68	2.00
DDH-18-003	X967532	304.68	306.15	1.47
DDH-18-003	X967533	306.15	307.87	1.72
DDH-18-003	X967534	307.87	309.55	1.68
DDH-18-003	X967536	309.55	311.13	1.58
DDH-18-003	X967537	311.13	313.15	2.02
DDH-18-003	X967538	313.15	315.15	2.00
DDH-18-003	X967539	315.15	316.63	1.48
DDH-18-003	X967540	316.63	318.00	1.37
DDH-18-003	X967541	318.00	319.82	1.82

E.O.H.

Hole_ID	Sample_ID	From_m	To_m	Length_m	QAQC
DDH-18-003	X967329	10.39	10.39	0.00	CDN-ME-1414
DDH-18-003	X967338	24.00	24.00	0.00	CDN-ME-1403
DDH-18-003	X967347	37.43	37.43	0.00	CDN-BL-10
DDH-18-003	X967356	52.00	54.03	2.03	DUPLICATE
DDH-18-003	X967364	65.97	65.97	0.00	CDN-ME-1414
DDH-18-003	X967373	79.32	79.32	0.00	CDN-ME-1403
DDH-18-003	X967382	90.70	90.70	0.00	CDN-BL-10
DDH-18-003	X967390	101.00	103.11	2.11	DUPLICATE
DDH-18-003	X967400	115.60	115.60	0.00	CDN-ME-1414
DDH-18-003	X967409	130.02	130.02	0.00	CDN-ME-1403
DDH-18-003	X967418	141.89	141.89	0.00	CDN-BL-10
DDH-18-003	X967427	156.00	157.58	1.58	DUPLICATE
DDH-18-003	X967436	167.45	167.45	0.00	CDN-ME-1414
DDH-18-003	X967445	182.70	182.70	0.00	CDN-ME-1403
DDH-18-003	X967454	193.89	193.89	0.00	CDN-BL-10
DDH-18-003	X967463	207.47	209.52	2.05	DUPLICATE

DDH-18-003	X967472	221.85	221.85	0.00	CDN-ME-1414
DDH-18-003	X967481	233.10	233.10	0.00	CDN-ME-1403
DDH-18-003	X967490	244.00	244.00	0.00	CDN-BL-10
DDH-18-003	X967499	258.66	258.66	0.00	CDN-ME-1414
DDH-18-003	X967508	270.54	270.54	0.00	CDN-ME-1403
DDH-18-003	X967517	283.50	283.50	0.00	CDN-BL-10
DDH-18-003	X967523	291.26	293.26	2.00	DUPLICATE
DDH-18-003	X967535	307.87	307.87	0.00	CDN-ME-1414

APPENDIX 4 – Core Sample Assay Certificates List

Laboratory used: ALS Canada Ltd., 2103 Dollarton Hwy., North Vancouver, BC

Laboratory certificates: VA18282711 – reported on November 28, 2018
VA18288863 – reported on December 7, 2018
VA18288865 – reported on March 1, 2019
VA18294775 – reported on December 27, 2018



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Page: 1
 Total # Pages: 6 (A - D)
 Plus Appendix Pages
 Finalized Date: 27- NOV- 2018
 This copy reported on
 28- NOV- 2018
 Account: MINKORE

CERTIFICATE VA18282711

Project: KORE FG

This report is for 199 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 7- NOV- 2018.

The following have access to data associated with this certificate:

JAMES HYNES		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	
Au- AA23	Au 30g FA- AA finish	AAS

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: MINKORE

Project: KORE FG

CERTIFICATE OF ANALYSIS VA18282711

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg	Au- AA23 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
	LOD	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
X966801		3.12	<0.005	0.08	7.97	0.4	850	0.98	0.18	7.19	0.10	18.60	35.2	63	0.66	199.5
X966802		3.56	<0.005	0.15	7.78	0.4	900	1.02	0.56	7.01	0.08	17.25	35.4	84	0.79	280
X966803		4.70	<0.005	0.49	7.80	0.4	800	0.87	1.45	6.17	0.27	18.40	49.9	50	0.68	796
X966804		4.80	<0.005	0.10	7.96	0.4	1470	1.06	0.38	6.31	0.06	17.35	32.4	70	1.12	239
X966805		4.80	<0.005	0.23	8.71	0.3	1240	1.03	0.78	5.74	0.09	19.30	44.0	38	0.96	526
X966806		4.04	<0.005	0.10	8.16	<0.2	980	1.05	0.37	6.96	0.10	16.95	33.8	51	0.82	190.5
X966807		4.44	<0.005	0.08	7.87	3.2	900	1.23	0.22	6.60	0.20	15.70	30.8	48	1.54	154.0
X966808		3.68	<0.005	0.12	8.19	1.8	920	1.07	0.29	6.75	0.22	17.35	33.6	47	1.46	194.0
X966809		0.18	0.277	17.75	3.33	255	230	0.49	9.96	2.23	49.9	23.8	16.6	47	0.97	2170
X966810		4.40	<0.005	0.13	8.34	0.6	1440	1.08	0.34	6.25	0.16	18.60	45.4	62	1.39	254
X966811		4.12	0.860	0.74	7.17	0.8	1150	0.92	1.42	6.35	0.12	17.65	76.6	50	1.45	921
X966812		3.94	0.033	0.15	6.90	1.4	1200	1.08	0.39	7.90	0.10	17.05	34.0	145	0.85	246
X966813		1.60	0.196	0.71	8.14	0.2	1250	0.87	0.65	6.82	0.18	24.8	42.8	25	0.73	1955
X966814		2.04	<0.005	0.12	6.80	0.3	1060	1.12	0.28	7.32	0.06	16.00	34.6	163	0.85	248
X966815		3.96	<0.005	0.14	8.42	0.3	1310	0.94	0.46	6.59	0.05	24.3	36.5	37	0.92	328
X966816		4.20	0.007	0.21	7.78	0.4	1940	0.91	0.78	5.42	0.04	18.80	40.8	32	1.06	590
X966817		1.70	0.104	1.41	6.36	0.2	120	0.45	3.30	3.44	0.24	8.95	129.5	27	0.94	4150
X966818		0.16	0.916	56.2	2.21	1460	100	0.33	23.6	2.02	83.7	14.75	44.9	56	1.06	4530
X966819		3.30	0.015	0.22	7.75	0.9	2020	1.02	0.97	6.36	0.09	16.90	39.4	62	0.82	365
X966820		5.14	0.473	0.22	7.55	4.1	1020	0.98	1.64	5.64	0.07	16.00	67.4	63	1.20	461
X966821		4.96	0.016	0.21	7.80	0.4	1540	1.17	1.74	6.31	0.11	17.60	44.6	73	1.01	343
X966822		4.46	0.005	0.14	7.87	0.3	1420	1.00	0.44	6.36	0.20	16.80	35.4	65	0.79	328
X966823		4.96	0.019	0.29	7.39	0.6	1700	0.88	1.11	5.32	0.06	15.65	52.7	89	1.91	650
X966824		4.70	<0.005	0.06	6.35	0.8	640	0.88	0.14	9.04	0.08	19.65	38.0	180	0.89	81.4
X966825		4.86	<0.005	0.09	6.59	0.5	930	0.89	0.20	8.53	0.09	20.4	40.7	175	0.91	221
X966826		1.86	<0.005	0.27	8.17	0.8	1930	0.89	0.56	5.65	0.09	19.20	38.4	25	0.95	677
X966827		0.34	<0.005	0.08	7.65	1.7	600	0.71	0.10	4.30	0.06	22.4	13.3	22	0.71	97.3
X966828		4.20	<0.005	0.01	4.50	28.3	270	0.51	0.06	6.85	<0.02	10.05	60.1	849	0.32	3.9
X966829		3.22	<0.005	0.08	6.78	1.0	890	0.87	0.13	7.82	0.14	15.70	41.3	158	1.00	168.0
X966830		4.82	<0.005	0.04	7.04	0.5	550	0.84	0.06	8.64	0.03	15.70	37.8	143	0.54	107.0
X966831		4.92	<0.005	0.04	6.98	3.8	710	0.92	0.08	8.70	0.04	15.75	37.5	145	0.59	105.0
X966832		5.28	<0.005	0.04	6.82	5.1	600	0.86	0.06	8.55	0.05	17.05	37.8	131	0.74	110.5
X966833		4.10	<0.005	0.05	7.13	3.9	1010	0.92	0.13	7.26	0.03	16.85	32.0	118	1.05	156.0
X966834		2.02	<0.005	0.03	6.79	9.6	610	1.03	0.07	8.28	0.08	17.30	39.0	153	0.80	67.1
X966835		1.88	0.059	0.02	7.29	8.8	650	0.94	0.07	8.73	0.07	16.05	37.4	157	0.76	69.9
X966836		1.48	0.392	0.11	8.36	0.7	350	0.69	0.19	7.30	0.05	18.15	15.0	18	1.26	311
X966837		4.66	<0.005	0.04	7.00	7.4	790	0.92	0.08	8.68	0.08	15.45	38.7	192	0.82	98.4
X966838		4.62	<0.005	0.03	7.20	4.4	880	0.97	0.08	8.35	0.08	14.75	39.7	156	0.72	121.0
X966839		3.78	<0.005	0.03	7.22	4.6	640	0.77	0.07	8.79	0.08	14.80	37.1	168	0.60	106.5
X966840		5.32	0.011	0.05	7.00	0.6	960	0.89	0.15	8.38	0.08	13.60	34.0	167	0.66	185.0



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CERTIFICATE OF ANALYSIS VA18282711

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
X966801		7.09	16.25	0.05	0.6	0.060	1.65	8.0	4.8	3.38	1130	2.03	2.24	3.7	30.5	1710
X966802		7.86	16.20	0.06	0.5	0.077	1.99	7.4	5.5	3.89	1160	12.35	1.87	2.8	32.8	1640
X966803		10.75	15.30	0.08	0.8	0.136	2.44	8.3	6.2	3.32	1000	1.70	1.54	2.2	26.2	1750
X966804		6.95	16.45	0.07	0.4	0.064	2.86	7.5	8.1	3.50	1060	2.18	1.87	2.9	33.5	1560
X966805		8.21	16.05	0.06	0.4	0.054	2.48	8.1	7.2	2.84	876	4.31	2.30	3.2	46.7	1710
X966806		6.59	16.10	0.07	0.5	0.064	2.05	7.3	6.0	2.98	985	3.07	2.27	3.0	30.1	1620
X966807		6.68	16.45	0.07	0.5	0.061	1.97	6.5	5.7	2.92	1060	0.46	2.37	3.1	26.8	1650
X966808		6.68	17.15	0.07	0.5	0.063	2.05	7.3	6.0	2.95	1000	0.87	2.29	3.1	28.8	1610
X966809		8.70	12.05	0.12	1.3	1.950	0.46	12.7	27.4	2.56	505	12.30	0.10	3.0	31.4	410
X966810		7.93	16.85	0.06	0.5	0.071	2.61	7.9	7.4	3.44	994	4.35	2.05	2.9	33.9	1560
X966811		10.80	16.75	0.07	0.7	0.122	2.32	8.4	6.1	3.22	1060	10.40	2.19	2.2	25.3	1850
X966812		7.76	15.75	0.05	0.7	0.108	2.07	7.7	5.9	4.53	1320	3.46	1.54	3.3	49.2	1440
X966813		7.74	19.05	0.08	0.9	0.116	2.19	13.3	5.4	2.86	998	5.72	2.05	2.7	22.3	1940
X966814		8.08	14.95	0.06	0.6	0.113	2.07	7.2	5.6	4.56	1260	1.19	1.56	3.3	43.4	1350
X966815		7.54	16.60	0.07	0.9	0.100	2.34	12.5	6.6	3.13	965	0.53	2.18	2.8	21.2	2000
X966816		8.20	17.45	0.06	0.8	0.090	3.08	8.3	9.2	3.15	917	0.59	1.71	2.4	21.5	1930
X966817		16.15	9.25	0.10	0.4	0.064	1.92	3.9	5.1	1.84	496	1.33	3.08	1.8	59.7	1300
X966818		21.1	7.66	0.29	0.8	4.00	0.48	7.6	12.8	0.95	782	7.77	0.05	2.0	26.4	330
X966819		7.54	16.35	0.06	0.6	0.073	2.69	7.4	8.1	3.33	907	1.18	1.95	2.8	24.1	1690
X966820		10.30	16.15	0.07	0.6	0.064	2.93	6.8	8.7	3.47	927	1.14	1.86	2.7	38.7	1640
X966821		8.29	16.20	0.05	0.6	0.078	2.56	7.7	7.6	3.66	1020	4.38	1.95	2.9	32.9	1630
X966822		7.12	15.45	0.06	0.5	0.075	2.23	7.1	6.7	3.26	978	2.78	2.21	3.0	30.1	1550
X966823		9.79	15.30	0.07	0.6	0.070	3.50	6.8	10.6	3.72	1040	3.70	1.52	2.8	33.0	1540
X966824		7.79	13.50	0.06	0.8	0.078	1.62	8.7	5.0	5.42	1450	0.61	1.00	4.7	68.2	1420
X966825		8.49	15.55	0.06	0.8	0.088	2.01	9.0	6.0	5.48	1430	0.63	0.92	4.8	67.1	1430
X966826		7.65	18.60	0.08	0.9	0.083	3.00	8.3	9.2	3.49	774	0.49	1.94	2.7	21.1	2080
X966827		4.58	15.40	0.07	0.9	0.052	1.24	8.7	7.9	1.47	959	5.31	2.38	3.1	13.5	600
X966828		6.66	8.26	<0.05	0.7	0.037	0.63	4.6	12.5	11.75	1260	0.91	0.17	1.3	807	870
X966829		7.46	14.55	0.06	0.6	0.061	1.96	6.7	6.0	5.37	1320	0.43	1.08	3.0	77.6	1230
X966830		7.69	14.50	0.06	0.7	0.076	1.36	6.8	4.6	4.71	1400	0.43	1.33	2.8	66.9	1250
X966831		7.69	14.20	0.05	0.6	0.076	1.65	7.0	5.2	4.69	1400	0.48	1.28	2.8	69.8	1210
X966832		7.39	14.15	<0.05	0.8	0.076	1.35	7.4	4.1	4.49	1320	0.57	1.39	3.4	60.6	1290
X966833		7.75	13.95	0.06	0.9	0.094	1.91	7.4	5.8	3.99	1240	0.68	1.85	2.9	50.3	1550
X966834		7.41	16.00	0.09	0.9	0.088	1.40	8.1	5.5	4.40	1320	0.65	1.43	3.8	68.4	1280
X966835		7.89	15.10	0.08	0.8	0.077	1.49	7.3	5.1	4.65	1380	0.59	1.52	3.5	65.4	1340
X966836		8.49	17.00	0.09	1.0	0.069	1.66	7.8	5.5	2.82	868	1.97	2.54	2.3	14.3	2390
X966837		7.79	15.10	0.07	0.8	0.082	1.84	7.2	6.3	4.69	1420	0.63	1.30	3.7	73.2	1280
X966838		7.42	15.40	0.09	1.2	0.088	1.73	6.8	5.7	4.37	1440	0.59	1.53	3.3	68.3	1310
X966839		7.44	15.55	0.07	0.9	0.092	1.44	6.9	4.5	4.30	1540	0.61	1.50	3.3	69.1	1310
X966840		7.98	14.75	0.07	0.9	0.098	1.77	6.2	5.7	4.29	1540	0.71	1.40	2.9	70.8	1210



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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
X966801	4.2	52.2	0.009	0.98	0.93	28.0	1	0.5	1000	0.22	0.19	1.05	0.445	0.33	0.4	
X966802	6.3	64.8	0.023	1.27	0.80	33.3	2	0.6	713	0.17	0.76	0.91	0.465	0.41	0.4	
X966803	11.2	65.0	0.003	3.25	1.00	34.2	4	1.0	816	0.14	1.77	1.23	0.481	0.39	0.7	
X966804	4.4	73.2	0.019	0.95	0.67	30.8	1	0.6	772	0.16	0.36	0.95	0.431	0.57	0.5	
X966805	4.1	71.9	0.031	1.71	0.57	19.8	2	0.5	836	0.19	0.94	1.03	0.405	0.47	0.5	
X966806	5.1	46.0	0.019	0.73	0.66	24.4	1	0.6	938	0.19	0.53	0.90	0.423	0.40	0.5	
X966807	5.8	35.4	<0.002	0.44	0.62	23.1	1	0.6	956	0.19	0.35	0.82	0.430	0.45	0.5	
X966808	11.9	44.1	0.002	0.51	0.70	24.2	1	0.6	1140	0.19	0.32	0.92	0.428	0.49	0.5	
X966809	1060	18.1	0.017	6.79	45.2	6.3	29	17.9	76.7	0.24	0.33	2.62	0.116	6.28	2.5	
X966810	5.0	85.9	0.022	1.04	0.70	29.2	2	0.8	771	0.17	0.57	0.99	0.448	0.57	0.5	
X966811	4.2	80.5	0.014	2.41	0.73	36.0	4	1.9	594	0.14	2.26	1.40	0.449	0.61	1.1	
X966812	5.8	63.8	0.004	0.50	0.97	39.7	1	1.0	663	0.20	0.69	0.87	0.446	0.40	0.6	
X966813	7.8	59.0	0.010	1.61	1.45	25.4	3	1.6	2480	0.18	0.99	1.52	0.448	0.39	1.3	
X966814	11.5	63.9	0.002	0.96	1.01	43.0	2	1.0	668	0.20	0.34	0.79	0.442	0.41	0.5	
X966815	14.5	67.3	<0.002	1.41	0.80	29.8	2	1.0	1180	0.18	0.40	1.48	0.490	0.44	0.9	
X966816	5.6	69.4	<0.002	1.97	0.97	33.4	3	0.9	720	0.16	1.04	1.13	0.502	0.50	0.7	
X966817	7.5	56.4	0.002	5.95	0.55	15.9	12	0.5	268	0.12	4.59	0.85	0.318	0.42	0.5	
X966818	4150	18.1	0.017	>10.0	174.5	4.8	105	17.6	81.5	0.14	0.25	1.47	0.080	13.00	1.9	
X966819	4.3	67.4	0.004	1.64	0.96	27.0	3	0.7	576	0.17	1.30	0.88	0.436	0.43	0.5	
X966820	2.9	81.3	0.003	2.82	0.74	29.8	5	0.6	501	0.16	2.05	0.85	0.418	0.51	0.5	
X966821	3.6	75.1	0.013	1.60	0.85	31.4	3	0.7	888	0.17	2.18	0.87	0.455	0.47	0.5	
X966822	2.9	55.9	0.012	1.25	0.67	27.7	2	0.7	935	0.18	0.54	0.99	0.422	0.39	0.5	
X966823	2.3	109.5	0.014	2.38	0.61	34.1	4	0.7	310	0.17	1.63	1.03	0.433	0.83	0.6	
X966824	8.5	59.7	<0.002	0.35	0.99	43.0	1	0.6	665	0.27	0.10	1.23	0.453	0.43	0.6	
X966825	6.6	66.3	<0.002	0.85	1.26	46.9	1	0.8	596	0.27	0.14	1.32	0.478	0.45	0.6	
X966826	4.8	65.6	<0.002	1.76	0.78	29.9	2	0.9	369	0.18	0.91	1.32	0.491	0.55	0.8	
X966827	5.6	15.4	<0.002	0.01	0.45	16.5	<1	1.1	488	0.21	<0.05	2.18	0.298	0.18	1.1	
X966828	<0.5	21.5	<0.002	<0.01	1.34	27.1	<1	0.4	46.9	0.09	0.14	0.84	0.315	0.15	0.4	
X966829	2.7	69.5	<0.002	0.36	1.25	39.3	1	0.6	1025	0.17	0.27	0.87	0.433	0.47	0.4	
X966830	1.8	42.1	<0.002	0.37	1.06	39.2	1	0.7	942	0.16	0.06	0.90	0.451	0.32	0.4	
X966831	0.6	48.8	<0.002	0.32	1.06	36.9	<1	0.7	785	0.16	0.13	0.90	0.426	0.34	0.4	
X966832	0.8	48.3	<0.002	0.29	1.12	37.5	<1	0.6	992	0.19	0.05	0.92	0.447	0.39	0.4	
X966833	<0.5	65.0	<0.002	0.71	0.87	35.2	1	0.7	696	0.18	0.17	1.09	0.436	0.53	0.5	
X966834	2.5	53.1	<0.002	0.19	1.24	40.1	<1	0.8	861	0.22	0.10	1.07	0.447	0.46	0.5	
X966835	2.2	51.4	0.002	0.21	1.22	37.9	<1	0.7	916	0.23	0.09	1.07	0.475	0.46	0.5	
X966836	3.1	65.4	0.002	1.30	1.42	26.3	1	0.7	2100	0.13	0.19	1.79	0.406	0.65	0.9	
X966837	2.1	58.9	0.002	0.37	1.10	36.5	<1	0.7	971	0.22	0.07	0.98	0.455	0.53	0.4	
X966838	2.2	54.3	0.002	0.48	1.11	33.4	<1	0.6	673	0.18	0.08	0.92	0.431	0.41	0.4	
X966839	2.7	44.8	0.004	0.45	1.13	34.7	<1	0.7	875	0.20	0.07	0.92	0.440	0.39	0.4	
X966840	2.6	52.4	0.002	0.82	1.35	34.2	1	0.7	889	0.17	0.18	0.83	0.422	0.40	0.4	



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		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X966801		275	0.7	16.4	56	16.1	
X966802		284	0.9	16.9	51	14.7	
X966803		313	1.0	15.9	69	24.1	
X966804		265	0.8	16.2	63	10.6	
X966805		224	0.8	16.3	46	8.9	
X966806		244	0.8	16.1	45	10.8	
X966807		248	0.6	15.5	61	13.3	
X966808		247	0.6	16.5	63	10.9	
X966809		74	1.8	10.4	7370	47.4	
X966810		263	1.1	17.0	58	12.7	
X966811		294	1.6	15.6	50	24.4	
X966812		272	1.1	15.6	53	17.4	
X966813		282	1.5	18.1	47	28.7	
X966814		273	0.9	15.2	52	16.7	
X966815		318	0.9	19.0	40	25.1	
X966816		339	1.3	17.0	45	24.4	
X966817		152	1.2	11.7	43	11.6	
X966818		66	7.4	8.0	>10000	28.0	1.370
X966819		275	1.6	16.0	51	15.2	
X966820		264	1.3	15.2	45	11.3	
X966821		284	1.3	17.1	47	15.7	
X966822		256	1.1	15.8	47	12.6	
X966823		270	1.5	15.1	51	13.9	
X966824		268	1.0	13.8	62	28.3	
X966825		282	1.5	14.6	60	24.5	
X966826		340	2.0	17.5	35	28.6	
X966827		137	1.7	17.9	60	16.4	
X966828		181	0.4	11.5	73	28.2	
X966829		272	0.7	13.5	60	17.4	
X966830		284	0.9	14.3	54	19.3	
X966831		277	0.8	14.0	60	16.7	
X966832		271	0.7	14.5	51	19.8	
X966833		259	0.8	14.9	55	20.7	
X966834		269	1.0	15.3	50	22.3	
X966835		288	0.9	14.3	53	25.3	
X966836		316	1.1	16.0	36	27.4	
X966837		276	1.0	13.8	55	21.3	
X966838		271	1.1	14.0	50	20.7	
X966839		272	1.1	13.8	51	20.9	
X966840		266	1.2	13.3	56	21.6	



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
X966841		2.40	0.489	0.65	6.57	0.7	910	0.82	0.73	8.37	0.20	14.65	47.1	216	0.59	1210
X966842		2.12	0.005	0.14	5.83	0.4	740	0.94	0.26	7.23	0.09	12.20	32.3	450	0.82	306
X966843		1.92	0.543	1.71	6.84	1.1	220	0.78	2.38	5.51	0.17	14.35	73.0	123	0.89	955
X966844		2.84	0.162	1.22	6.19	1.5	360	0.37	7.10	4.28	0.45	10.40	99.4	160	2.76	2750
X966845		0.20	0.279	17.45	3.33	254	120	0.51	10.75	2.27	46.7	21.0	17.5	50	0.93	2270
X966846		3.16	0.047	1.86	3.12	<0.2	100	0.53	16.90	7.48	0.47	6.61	125.5	85	1.02	3560
X966847		3.50	<0.005	0.31	6.89	0.7	1170	0.72	2.01	4.61	0.12	13.10	34.4	124	2.27	604
X966848		2.98	0.010	0.47	7.00	0.3	1200	0.77	1.88	3.40	0.13	14.50	57.9	47	1.85	834
X966849		3.58	0.006	0.35	7.63	0.5	1440	0.79	1.42	3.02	0.14	15.15	40.8	40	2.48	746
X966850		3.06	0.042	1.20	7.09	0.6	340	0.61	5.08	3.77	0.14	16.05	72.8	51	2.34	2600
X966851		4.38	0.012	0.45	7.75	0.5	1600	0.87	1.15	4.41	0.09	20.5	40.5	45	2.56	755
X966852		2.16	0.007	0.52	6.69	0.6	130	0.69	5.02	3.68	0.08	12.10	105.5	38	2.28	1080
X966853		2.40	0.194	1.64	3.12	0.6	70	0.33	26.0	3.51	0.13	4.92	234	33	1.07	3380
X966854		0.20	0.927	54.3	2.14	1400	60	0.38	24.2	1.94	79.7	13.15	46.1	55	1.05	4610
X966855		2.54	0.008	0.28	7.41	1.4	1920	1.11	1.33	4.63	0.10	19.05	40.6	110	1.42	595
X966856		3.54	0.011	0.22	6.39	0.9	1280	1.12	1.31	6.32	0.06	16.90	50.1	166	1.25	555
X966857		2.80	<0.005	0.13	5.92	0.5	800	0.70	1.12	8.23	0.10	12.00	41.1	111	1.04	329
X966858		4.32	0.005	0.20	6.23	0.8	1220	0.80	1.26	7.82	0.09	15.65	42.8	177	0.88	497
X966859		4.82	0.006	0.38	7.48	0.8	1490	0.89	1.84	6.03	0.09	15.70	40.7	95	0.89	1250
X966860		3.04	<0.005	0.16	7.21	0.7	1750	1.03	1.52	4.76	0.07	17.20	38.0	108	1.08	387
X966861		3.26	<0.005	0.14	7.19	0.6	1420	0.85	0.44	5.00	0.07	15.25	36.8	152	1.24	328
X966862		2.50	<0.005	0.15	7.38	0.7	1580	0.89	0.84	5.75	0.06	16.35	64.5	123	0.99	504
X966863		0.38	<0.005	0.07	7.87	2.1	600	0.78	0.10	4.27	0.11	24.1	15.3	22	0.78	102.0
X966864		3.02	0.006	0.15	7.90	0.7	1270	0.88	0.59	6.03	0.06	15.40	42.3	58	1.12	321
X966865		5.10	<0.005	0.04	6.24	7.4	710	0.98	0.15	8.27	0.06	17.80	45.4	197	0.76	158.0
X966866		5.04	<0.005	0.05	6.22	15.3	600	0.77	0.11	8.79	0.07	14.60	46.6	202	0.82	133.0
X966867		5.00	0.010	0.05	6.65	12.3	560	0.89	0.07	9.24	0.09	18.35	44.7	174	0.68	132.5
X966868		5.06	<0.005	0.06	6.65	11.4	500	0.97	0.06	8.80	0.10	15.85	40.5	166	0.69	146.5
X966869		6.10	<0.005	0.06	6.87	9.5	560	0.87	0.12	8.22	0.08	14.30	42.4	159	0.77	240
X966870		3.94	0.017	0.06	6.82	11.8	550	0.82	0.10	8.25	0.08	13.35	36.9	133	1.02	147.0
X966871		2.38	<0.005	0.03	6.97	7.5	430	0.89	0.09	7.95	0.06	14.35	35.8	133	1.08	134.5
X966872		2.38	<0.005	0.06	6.86	9.1	430	0.91	0.08	7.74	0.06	14.60	37.9	126	1.18	131.5
X966873		5.08	<0.005	0.04	6.49	6.8	390	0.86	0.09	8.23	0.07	14.50	32.9	152	0.73	102.0
X966874		5.16	<0.005	0.04	6.68	8.0	370	0.83	0.08	8.48	0.09	15.00	36.2	137	0.61	135.5
X966875		4.54	0.006	0.05	6.63	3.4	520	0.93	0.13	8.01	0.08	13.95	37.2	143	0.70	188.5
X966876		4.44	<0.005	0.04	6.63	<0.2	940	0.94	0.18	7.14	0.10	15.05	32.8	142	0.79	221
X966877		3.78	0.014	0.54	5.07	0.4	430	0.56	3.38	6.15	0.27	9.04	143.0	96	1.05	1165
X966878		3.02	0.021	1.00	6.30	0.6	1010	0.72	1.22	6.03	0.21	14.55	41.3	165	1.17	459
X966879		3.68	<0.005	0.26	5.95	1.2	840	0.86	0.53	6.20	0.11	13.85	36.1	396	1.58	257
X966880		4.22	0.006	0.08	6.07	1.4	560	0.72	0.21	8.11	0.09	15.95	35.6	162	0.70	188.5



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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
X966841		10.85	15.45	0.10	0.9	0.157	1.83	6.7	6.3	4.25	1500	0.60	1.04	2.8	64.5	1150
X966842		10.65	13.80	0.08	0.8	0.132	1.93	5.5	8.1	6.73	1960	0.53	0.41	2.7	181.5	1080
X966843		13.85	14.75	0.10	0.8	0.198	2.77	6.6	10.2	3.47	998	1.13	1.14	1.9	35.0	1420
X966844		19.70	16.00	0.12	0.7	0.167	3.34	4.6	9.9	3.60	1020	1.27	1.29	3.6	32.8	1370
X966845		8.77	12.55	0.14	1.5	1.780	0.45	11.2	28.1	2.58	503	12.95	0.10	3.1	30.5	410
X966846		21.9	8.17	0.10	0.4	0.127	1.27	3.2	3.7	3.62	1080	0.86	0.96	1.9	42.8	600
X966847		10.30	18.90	0.10	1.1	0.121	3.16	5.8	11.0	4.82	1500	1.07	1.31	4.0	20.2	1690
X966848		12.25	18.20	0.12	0.9	0.079	3.45	6.4	12.8	3.88	976	0.24	1.45	2.4	23.7	1650
X966849		10.90	19.60	0.12	0.8	0.088	4.06	6.5	15.3	4.17	1010	0.14	1.39	2.7	17.9	1920
X966850		15.20	16.80	0.11	1.0	0.094	3.17	7.8	10.4	3.66	954	0.63	1.85	3.9	31.8	1770
X966851		10.05	19.85	0.11	1.1	0.101	3.66	9.4	12.9	3.54	1020	0.13	1.68	2.6	17.9	1840
X966852		18.75	15.20	0.13	0.8	0.098	2.99	5.3	10.1	2.85	821	0.28	1.85	2.2	40.7	1580
X966853		35.7	5.79	0.19	0.3	0.057	1.51	2.2	5.0	2.13	644	0.50	0.83	1.1	96.5	500
X966854		20.6	8.07	0.31	0.8	3.93	0.47	7.2	13.4	0.93	753	8.88	0.05	2.1	27.5	310
X966855		10.50	16.35	0.10	1.1	0.146	3.24	9.4	10.8	4.26	1260	0.46	1.55	3.8	26.9	1650
X966856		11.55	17.00	0.08	1.2	0.153	2.55	8.0	8.9	4.85	1460	1.04	0.82	4.4	58.2	1370
X966857		8.21	15.00	0.08	0.8	0.070	1.96	5.6	6.9	4.83	1170	0.75	1.46	1.6	38.9	1560
X966858		9.41	15.75	0.09	1.0	0.109	2.11	7.3	7.6	4.44	1420	0.65	1.15	4.4	54.1	1270
X966859		9.12	18.20	0.10	1.2	0.100	2.52	7.3	9.3	3.94	1200	0.93	1.24	2.1	53.2	1480
X966860		9.24	16.80	0.10	1.1	0.118	2.81	8.1	10.9	4.33	1210	1.18	1.43	2.9	38.2	1660
X966861		9.40	16.70	0.09	1.0	0.114	2.78	6.9	10.8	4.71	1280	2.04	1.36	3.0	54.5	1520
X966862		10.75	17.05	0.12	1.2	0.118	2.74	7.6	9.7	4.19	1140	0.65	1.18	2.2	74.2	1430
X966863		4.62	17.30	0.10	1.0	0.061	1.25	9.9	8.6	1.51	937	7.26	2.38	3.5	14.4	600
X966864		9.52	18.75	0.10	0.9	0.116	2.69	7.5	12.6	4.82	1370	0.83	1.20	2.2	47.5	2130
X966865		8.46	15.25	0.09	0.9	0.090	1.62	8.4	6.2	5.59	1440	0.53	0.87	4.9	72.1	1340
X966866		7.94	14.35	0.07	0.8	0.066	1.55	6.5	6.0	5.72	1320	0.61	0.80	3.8	74.3	1110
X966867		7.91	16.05	0.08	0.9	0.083	1.35	8.6	5.0	5.09	1540	0.69	1.14	5.1	62.7	1410
X966868		7.69	14.90	0.07	0.8	0.073	1.32	7.3	4.9	5.02	1490	0.64	1.31	3.8	63.5	1290
X966869		8.15	14.75	0.07	0.8	0.079	1.50	6.5	5.3	4.93	1420	0.64	1.27	3.0	69.0	1250
X966870		7.84	14.40	0.10	0.7	0.070	1.62	6.3	6.0	4.64	1380	0.95	1.35	2.3	62.7	1240
X966871		7.89	14.85	0.10	0.7	0.063	1.49	6.8	5.3	4.50	1470	0.65	1.55	2.7	60.3	1240
X966872		7.94	15.00	0.08	0.7	0.064	1.53	6.9	5.6	4.48	1460	0.64	1.47	2.8	60.2	1200
X966873		7.45	14.05	0.10	0.7	0.062	1.28	6.8	4.7	4.67	1340	0.56	1.36	3.2	61.6	1190
X966874		7.53	14.75	0.07	0.8	0.074	1.14	7.0	4.1	4.63	1380	0.63	1.52	3.2	59.6	1240
X966875		7.82	13.95	0.10	0.9	0.066	1.41	6.5	5.1	4.83	1430	0.88	1.43	2.9	63.6	1170
X966876		8.22	15.25	0.08	0.8	0.081	1.95	7.1	7.4	4.90	1520	0.77	1.17	3.2	62.0	1230
X966877		19.70	12.45	0.12	0.6	0.084	2.14	4.2	7.8	3.51	1200	0.29	0.91	1.7	200	1470
X966878		10.40	14.90	0.11	0.7	0.114	2.45	6.9	9.0	4.91	1980	0.64	1.14	3.5	67.3	1220
X966879		10.10	15.15	0.10	0.8	0.092	2.66	6.6	10.3	6.07	1800	0.56	0.63	2.9	172.5	1410
X966880		8.45	14.20	0.08	0.8	0.075	1.42	7.7	5.3	5.02	1420	0.79	1.04	4.2	67.4	1290



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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
X966841		4.0	52.6	0.003	2.71	1.62	33.9	2	0.8	772	0.15	0.95	0.81	0.401	0.42	0.4
X966842		1.8	63.2	<0.002	0.95	2.71	34.7	<1	0.8	228	0.15	0.30	0.67	0.392	0.46	0.3
X966843		5.9	69.5	0.002	4.98	0.70	29.9	5	0.8	313	0.11	3.99	0.89	0.434	0.52	0.5
X966844		7.9	137.5	<0.002	6.60	0.71	40.5	7	0.7	255	0.20	8.03	1.07	0.415	1.29	0.9
X966845		996	17.2	0.016	6.89	44.8	6.1	28	18.1	74.7	0.25	0.34	2.75	0.115	6.58	2.5
X966846		14.9	50.1	0.002	7.88	1.47	20.2	11	0.5	223	0.11	18.95	0.55	0.187	0.49	0.4
X966847		3.7	123.0	<0.002	2.01	1.22	39.8	3	0.9	254	0.23	2.03	1.49	0.435	1.05	1.2
X966848		4.5	99.8	0.002	3.40	1.11	38.2	5	0.9	244	0.15	1.95	1.27	0.474	0.95	0.8
X966849		3.5	109.0	<0.002	2.54	0.91	37.4	4	0.7	218	0.17	1.44	1.34	0.511	1.36	0.8
X966850		6.4	118.5	<0.002	5.00	0.76	26.7	6	0.7	280	0.24	5.91	1.43	0.425	1.08	0.8
X966851		3.3	124.0	0.002	2.54	0.91	33.0	3	0.8	349	0.17	1.46	1.73	0.521	1.13	0.8
X966852		4.7	101.5	<0.002	6.70	0.90	34.2	10	0.8	271	0.15	5.44	1.23	0.437	0.95	0.8
X966853		12.3	60.3	<0.002	>10.0	0.86	9.6	27	0.4	108.0	0.06	26.9	0.46	0.147	0.63	0.3
X966854		3810	18.2	0.019	>10.0	170.0	4.8	106	18.7	80.0	0.14	0.28	1.52	0.075	13.45	1.9
X966855		4.1	93.6	<0.002	2.42	1.31	37.7	4	1.1	327	0.23	1.45	1.36	0.482	0.76	0.7
X966856		3.3	83.4	<0.002	2.32	1.77	40.6	4	0.8	447	0.27	1.30	1.28	0.438	0.67	0.6
X966857		2.2	70.2	<0.002	1.20	0.70	41.4	2	0.5	371	0.09	1.11	1.06	0.358	0.56	0.6
X966858		3.0	67.1	0.003	1.96	1.44	41.5	3	0.9	508	0.25	1.34	1.25	0.421	0.52	0.6
X966859		4.1	67.6	0.010	1.84	1.13	40.0	3	1.0	770	0.13	1.95	1.15	0.503	0.64	0.6
X966860		3.2	88.5	0.013	1.90	1.18	35.7	2	1.0	360	0.17	1.68	1.35	0.457	0.69	0.7
X966861		2.9	86.6	0.047	1.61	1.52	37.4	1	0.9	382	0.20	0.45	1.23	0.463	0.72	0.7
X966862		2.6	84.6	0.002	2.52	1.19	40.2	4	1.0	707	0.12	0.95	0.94	0.559	0.60	0.5
X966863		7.5	20.2	0.002	0.02	0.46	18.4	<1	1.2	485	0.23	<0.05	2.51	0.287	0.18	1.0
X966864		2.8	73.1	0.058	1.47	0.81	42.4	3	1.0	427	0.14	0.96	1.12	0.555	0.74	0.7
X966865		2.8	56.0	0.005	0.63	1.26	42.0	1	0.8	468	0.29	0.13	1.31	0.442	0.48	0.6
X966866		2.6	56.9	0.002	0.35	1.19	41.4	1	0.7	650	0.26	0.11	0.87	0.445	0.55	0.4
X966867		2.7	50.3	0.003	0.30	1.48	42.8	1	0.7	1505	0.30	0.10	1.41	0.451	0.45	0.6
X966868		2.3	50.9	0.003	0.26	1.30	40.6	<1	0.6	1015	0.21	0.07	1.11	0.439	0.45	0.5
X966869		2.6	55.9	0.003	0.52	1.32	38.6	1	0.7	960	0.17	0.13	0.94	0.435	0.49	0.4
X966870		3.5	71.3	<0.002	0.38	1.40	37.8	<1	0.6	883	0.14	0.11	0.96	0.405	0.62	0.4
X966871		2.5	67.8	<0.002	0.41	1.21	36.3	2	0.8	737	0.16	0.10	0.94	0.441	0.62	0.4
X966872		2.4	71.2	<0.002	0.41	1.15	36.5	1	0.7	687	0.15	0.07	0.95	0.433	0.66	0.5
X966873		2.3	54.5	<0.002	0.31	1.11	36.0	1	0.7	772	0.19	0.07	1.02	0.444	0.47	0.4
X966874		2.8	47.5	<0.002	0.46	1.28	36.7	1	0.8	807	0.19	0.06	1.00	0.441	0.37	0.5
X966875		2.9	56.8	<0.002	0.70	1.12	36.5	1	0.6	544	0.17	0.12	0.89	0.447	0.47	0.4
X966876		2.8	72.5	<0.002	0.92	1.45	37.8	1	0.8	565	0.18	0.20	0.98	0.442	0.56	0.5
X966877		6.3	86.3	<0.002	6.97	0.72	32.9	11	0.6	346	0.11	4.74	0.76	0.319	0.64	0.4
X966878		8.6	94.8	<0.002	2.09	1.49	42.1	3	0.7	523	0.19	3.74	1.09	0.419	0.77	0.5
X966879		4.1	114.0	<0.002	1.32	1.69	41.8	2	0.7	235	0.17	1.17	1.18	0.394	0.95	0.6
X966880		3.9	56.4	<0.002	0.87	1.57	42.5	1	0.7	989	0.23	0.38	1.28	0.440	0.46	0.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X966841		255	1.1	13.7	78	21.6	
X966842		240	1.2	11.8	102	21.6	
X966843		274	1.5	13.3	67	20.1	
X966844		284	0.8	13.6	110	19.3	
X966845		74	1.9	9.7	7430	44.1	
X966846		154	0.6	8.2	88	11.5	
X966847		300	1.7	16.1	95	27.1	
X966848		332	1.8	16.4	72	22.2	
X966849		355	2.0	16.9	104	20.6	
X966850		272	1.2	14.2	77	18.6	
X966851		361	1.6	19.7	58	24.9	
X966852		307	1.5	15.6	47	22.1	
X966853		97	0.4	5.5	36	9.6	
X966854		64	2.5	7.9	>10000	28.3	1.350
X966855		318	1.6	15.9	68	30.2	
X966856		268	1.9	13.5	59	26.1	
X966857		271	1.4	12.3	41	19.5	
X966858		263	2.0	13.0	49	26.5	
X966859		317	1.5	15.1	51	25.4	
X966860		289	2.0	15.1	50	27.4	
X966861		286	2.0	14.6	52	30.6	
X966862		319	1.1	16.6	45	29.4	
X966863		136	1.6	20.7	60	19.1	
X966864		343	2.0	19.0	57	24.0	
X966865		268	1.1	13.4	51	21.4	
X966866		266	0.8	12.4	51	18.0	
X966867		274	0.9	13.6	61	22.9	
X966868		277	0.8	13.3	61	21.3	
X966869		283	1.0	13.4	57	22.4	
X966870		269	0.8	13.3	55	16.8	
X966871		279	0.7	13.8	59	19.5	
X966872		279	0.7	14.2	59	17.0	
X966873		266	0.7	13.4	53	18.4	
X966874		268	0.7	14.1	55	18.9	
X966875		273	1.0	13.6	60	18.4	
X966876		268	1.4	14.5	69	20.4	
X966877		239	1.3	10.3	59	13.6	
X966878		253	1.5	12.2	119	17.4	
X966879		255	1.3	12.5	88	17.9	
X966880		259	1.1	13.3	52	20.5	



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	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOD		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
X966881		0.20	0.300	17.55	3.19	264	120	0.47	10.40	2.17	47.0	20.6	16.5	49	0.94	2100
X966882		5.10	<0.005	0.05	6.30	12.3	410	0.95	0.13	8.55	0.11	16.00	35.5	160	0.74	115.0
X966883		5.24	<0.005	0.12	6.31	19.1	570	0.87	3.46	8.35	0.15	16.30	41.5	173	0.85	234
X966884		5.30	<0.005	0.06	5.93	46.6	770	0.91	0.14	7.96	0.12	14.80	42.5	301	0.98	68.8
X966885		3.78	0.040	0.34	5.73	0.5	510	0.65	1.66	4.35	0.06	12.45	76.1	490	2.60	396
X966886		3.90	0.844	0.09	6.68	0.3	880	0.78	0.32	4.93	0.07	14.30	31.8	212	2.40	286
X966887		3.38	0.186	0.30	6.42	<0.2	370	0.78	2.07	4.95	0.19	12.15	49.7	114	1.04	1135
X966888		4.24	<0.005	0.09	6.62	<0.2	1370	0.88	0.29	6.60	0.09	14.85	37.4	145	0.80	336
X966889		5.24	<0.005	0.09	6.82	<0.2	1160	0.96	0.26	7.18	0.07	14.45	39.3	164	0.79	291
X966890		0.20	0.936	51.1	2.01	1425	100	0.35	22.8	1.88	76.4	12.15	41.6	52	1.00	4200
X966891		5.52	0.009	0.11	6.63	1.2	830	0.87	0.25	7.07	0.10	14.85	33.7	142	0.85	224
X966892		4.44	<0.005	0.11	6.71	0.6	1260	1.07	0.56	6.81	0.06	15.35	35.6	152	0.99	308
X966893		3.74	0.012	0.11	6.46	0.5	1190	1.04	0.42	6.89	0.08	14.25	37.4	178	0.96	351
X966894		3.72	0.269	0.10	6.61	0.6	1460	1.01	0.39	5.73	0.06	15.30	30.6	150	1.23	359
X966895		4.62	0.010	0.92	5.64	0.4	680	0.54	2.94	3.21	0.25	8.99	78.1	240	2.61	2120
X966896		4.14	0.010	0.44	5.29	0.6	140	0.72	5.00	3.71	0.13	8.71	78.0	223	1.62	1345
X966897		4.32	<0.005	0.15	7.02	0.5	1460	1.05	0.31	5.21	0.07	14.80	32.0	150	1.04	521
X966898		5.30	0.005	0.07	6.86	0.2	640	0.91	0.17	7.32	0.07	15.35	33.8	126	0.69	238
X966899		0.34	<0.005	0.06	7.75	1.4	570	0.60	0.10	4.19	0.08	21.0	12.8	23	0.69	88.5
X966900		5.22	0.005	0.10	6.67	0.9	710	1.01	0.29	7.30	0.09	16.10	38.6	144	0.71	235
X966901		4.94	<0.005	0.10	6.52	0.4	680	1.05	0.27	6.57	0.09	14.40	35.8	165	0.75	291
X966902		5.36	<0.005	0.07	6.62	0.3	470	0.96	0.19	7.76	0.09	14.65	31.4	143	0.71	142.5
X966903		1.72	0.012	0.36	5.77	1.2	330	0.69	1.41	8.22	0.09	13.00	89.5	94	0.92	526
X966904		3.44	<0.005	0.08	7.11	0.3	770	1.07	0.23	7.08	0.06	17.55	31.4	125	0.88	219
X966905		5.08	0.011	0.15	6.43	0.3	590	0.89	0.45	6.18	0.08	15.90	44.4	149	0.93	409
X966906		5.14	<0.005	0.17	7.53	<0.2	650	1.14	0.62	6.52	0.10	16.40	41.2	151	0.92	353
X966907		2.40	<0.005	0.13	7.24	0.3	460	0.99	0.77	6.64	0.09	16.50	38.5	350	1.17	295
X966908		2.50	<0.005	0.13	7.39	0.7	470	0.89	0.78	6.92	0.08	16.75	36.4	335	1.11	313
X966909		3.82	<0.005	0.07	7.36	0.2	580	1.14	0.21	7.70	0.08	16.75	34.7	134	0.90	190.0
X966910		4.10	<0.005	0.07	7.11	1.2	530	1.06	0.19	7.59	0.10	15.95	36.8	209	0.79	193.5
X966911		4.06	<0.005	0.09	6.06	1.8	390	0.87	0.50	5.77	0.06	13.15	44.4	564	1.64	260
X966912		3.36	<0.005	0.32	5.71	1.0	290	1.67	1.22	6.97	0.12	11.40	85.4	301	1.78	818
X966913		4.78	0.011	0.76	7.87	3.9	740	1.13	0.33	8.14	0.15	17.30	39.4	78	0.47	629
X966914		4.98	<0.005	0.07	7.50	0.8	690	1.26	0.26	7.75	0.10	16.45	34.3	104	0.93	209
X966915		4.86	0.119	0.05	7.00	5.7	350	1.09	0.12	9.67	0.10	15.20	37.9	112	0.74	148.0
X966916		5.02	0.177	0.08	7.10	16.1	390	1.20	0.07	9.76	0.10	15.35	43.1	160	0.99	151.0
X966917		0.18	0.284	19.20	3.35	258	140	0.51	10.95	2.28	49.4	21.2	18.6	47	0.97	2200
X966918		5.20	0.022	0.07	7.28	10.1	430	1.22	0.09	9.59	0.10	15.50	35.5	119	0.94	91.8
X966919		5.46	0.015	0.09	7.34	9.3	450	1.07	0.07	9.02	0.08	16.00	36.0	116	0.99	119.0
X966920		5.52	0.014	0.08	7.33	7.2	400	1.12	0.06	9.08	0.08	16.45	37.6	125	0.95	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
X966881		8.53	12.55	0.13	1.4	1.785	0.45	11.2	26.9	2.51	495	13.15	0.10	2.9	30.9	380
X966882		7.90	14.80	0.05	0.8	0.075	1.31	7.8	4.9	5.06	1400	0.52	1.15	4.1	61.2	1290
X966883		8.17	14.70	0.07	0.7	0.067	1.59	7.9	6.3	5.35	1520	0.45	1.09	4.3	92.7	1320
X966884		7.44	14.15	0.06	0.6	0.061	1.80	7.1	7.9	6.25	1600	0.45	0.64	3.5	160.5	1270
X966885		15.80	13.45	0.12	0.6	0.088	3.16	6.0	12.7	5.79	1660	1.14	0.53	2.1	240	1360
X966886		11.10	17.55	0.11	0.6	0.093	3.04	6.7	11.1	5.30	1990	7.02	1.23	2.8	79.3	1260
X966887		11.45	13.35	0.10	0.6	0.219	2.68	5.6	7.1	3.97	1000	1.05	1.66	2.1	61.8	1340
X966888		7.80	15.70	0.09	0.7	0.066	2.12	7.1	7.2	4.25	1020	0.78	1.46	2.9	55.8	1390
X966889		8.08	15.15	0.09	0.7	0.076	2.05	6.7	6.9	4.51	1120	0.78	1.58	2.8	58.3	1390
X966890		19.60	7.38	0.31	0.8	3.71	0.44	6.9	12.4	0.90	738	7.98	0.05	1.8	26.0	290
X966891		8.00	16.05	0.07	0.8	0.086	1.83	7.0	6.7	4.44	1160	0.63	1.51	2.8	53.9	1420
X966892		8.31	14.55	0.08	0.9	0.094	2.29	7.2	8.7	4.56	1190	2.96	1.52	2.9	57.0	1430
X966893		8.85	14.00	0.07	0.8	0.102	2.21	6.8	8.0	4.46	1320	1.44	1.51	2.6	72.0	1320
X966894		8.55	15.45	0.08	0.9	0.119	2.53	7.4	9.4	4.39	1220	2.57	1.44	3.0	57.7	1360
X966895		17.05	13.90	0.11	0.5	0.065	3.00	4.0	9.8	4.04	795	0.69	1.32	1.3	73.2	970
X966896		16.75	14.30	0.11	0.7	0.170	2.74	3.8	10.4	3.95	905	0.50	1.06	1.2	60.3	960
X966897		9.31	16.30	0.10	0.8	0.092	2.59	6.9	9.8	4.36	1020	0.45	1.48	2.6	52.5	1390
X966898		8.08	16.25	0.09	0.8	0.079	1.47	7.2	5.4	4.19	1320	0.42	1.71	2.9	47.3	1420
X966899		4.51	15.35	0.07	0.9	0.051	1.19	9.1	7.4	1.47	926	5.32	2.31	2.9	13.0	560
X966900		8.91	15.80	0.08	0.8	0.112	1.68	7.6	5.9	4.43	1500	0.37	1.48	2.8	52.3	1410
X966901		8.73	14.90	0.07	0.8	0.093	1.74	6.8	5.9	4.39	1420	0.37	1.56	2.7	49.3	1360
X966902		7.52	14.80	0.08	0.9	0.090	1.46	6.9	5.2	4.50	1400	0.43	1.61	2.8	52.0	1400
X966903		14.30	15.55	0.09	0.5	0.090	1.54	6.4	5.8	4.11	1380	0.52	0.90	2.0	70.9	1020
X966904		7.72	15.70	0.08	0.8	0.089	2.08	8.7	7.9	4.16	1280	0.39	1.81	3.1	44.5	1550
X966905		9.79	15.45	0.08	0.8	0.087	1.89	8.0	7.1	4.32	1180	0.64	1.59	2.6	50.1	1380
X966906		10.05	17.85	0.07	0.9	0.102	2.09	7.7	8.3	4.64	1300	0.59	1.81	3.2	50.8	1610
X966907		9.32	16.35	0.08	0.7	0.120	2.19	7.8	9.8	5.14	1290	0.50	1.45	2.3	177.5	1730
X966908		9.29	17.00	0.09	0.8	0.139	2.13	8.1	9.4	5.06	1300	0.48	1.44	2.3	167.5	1780
X966909		7.99	18.00	0.08	0.8	0.105	2.03	7.9	7.9	5.08	1350	0.53	1.64	3.2	66.7	1580
X966910		7.93	16.55	0.05	0.7	0.088	1.86	7.4	7.5	5.09	1330	0.65	1.58	3.0	92.7	1560
X966911		10.85	12.85	0.07	0.7	0.105	2.57	6.3	13.5	7.54	1620	0.96	0.72	1.4	308	1560
X966912		14.35	11.30	0.07	0.5	0.144	2.94	5.5	9.8	5.25	1530	0.85	0.81	1.3	209	1390
X966913		8.50	18.35	0.07	0.9	0.088	1.34	8.4	5.3	3.57	1240	0.72	2.08	2.4	48.2	1490
X966914		8.01	16.50	0.06	0.8	0.085	1.87	7.7	7.3	4.07	1460	1.28	2.00	2.7	44.1	1560
X966915		7.67	16.35	0.07	0.9	0.088	1.15	7.0	4.2	3.95	1620	0.95	1.64	2.7	51.0	1440
X966916		7.91	15.60	0.06	0.7	0.061	1.43	7.1	5.5	4.50	1620	0.69	1.67	2.6	63.7	1510
X966917		8.93	13.30	0.14	1.5	1.930	0.47	11.4	28.0	2.65	514	13.80	0.10	3.2	33.3	400
X966918		7.68	16.45	0.07	0.7	0.075	1.47	7.2	6.0	4.16	1550	0.56	1.66	2.6	53.3	1490
X966919		7.64	16.75	0.07	0.8	0.059	1.48	7.4	5.6	4.12	1420	0.48	1.76	2.9	49.5	1490
X966920		7.86	17.25	<0.05	0.8	0.060	1.45	7.6	5.7	4.27	1460	0.57	1.74	3.0	51.3	1530



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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
X966881		1030	18.4	0.015	6.58	44.8	6.3	29	18.6	72.5	0.21	0.37	2.71	0.112	6.58	2.6
X966882		3.9	57.4	<0.002	0.36	1.35	42.1	<1	0.6	1015	0.24	0.13	1.24	0.442	0.50	0.6
X966883		4.6	64.7	<0.002	0.50	1.29	39.7	1	0.7	792	0.23	3.67	1.29	0.434	0.53	0.6
X966884		3.3	71.4	<0.002	0.16	1.43	38.5	1	0.6	718	0.18	0.16	1.17	0.405	0.60	0.5
X966885		5.8	142.0	0.002	3.99	1.52	38.1	4	0.6	145.0	0.12	3.71	1.10	0.352	1.15	0.6
X966886		2.8	135.5	0.008	1.65	1.26	39.4	1	0.9	298	0.16	0.20	1.02	0.423	1.18	0.5
X966887		3.3	81.1	<0.002	3.16	1.01	33.5	3	0.6	387	0.12	1.81	0.79	0.367	0.68	0.4
X966888		2.4	70.7	<0.002	1.49	1.33	33.0	2	0.6	728	0.17	0.18	1.02	0.413	0.57	0.5
X966889		2.0	71.3	<0.002	1.46	1.16	36.7	1	0.6	803	0.17	0.17	0.95	0.420	0.56	0.4
X966890		3850	18.2	0.015	>10.0	162.5	4.7	111	24.0	74.9	0.13	0.24	1.49	0.072	13.35	2.0
X966891		3.8	70.6	<0.002	1.22	1.39	36.5	2	0.7	665	0.15	0.21	0.98	0.417	0.56	0.5
X966892		1.8	83.6	<0.002	1.43	1.45	36.0	1	0.7	551	0.17	0.47	0.97	0.433	0.62	0.4
X966893		1.8	80.3	<0.002	1.63	1.44	35.0	2	0.8	636	0.15	0.44	0.84	0.413	0.66	0.4
X966894		1.6	92.8	0.002	1.46	1.66	34.4	3	0.7	471	0.17	0.39	0.99	0.412	0.73	0.5
X966895		3.0	129.0	<0.002	5.54	1.22	41.9	8	0.5	149.5	0.08	3.18	0.73	0.335	1.15	0.4
X966896		2.9	79.9	<0.002	5.32	1.01	41.7	8	0.5	144.5	0.15	5.36	0.62	0.332	0.96	0.4
X966897		2.0	76.1	<0.002	2.02	1.25	38.2	3	0.5	560	0.15	0.36	0.99	0.423	0.70	0.5
X966898		2.1	55.6	0.002	1.22	1.17	33.0	1	0.8	1005	0.18	0.18	0.99	0.429	0.43	0.5
X966899		7.0	19.6	<0.002	0.01	0.44	16.2	<1	1.1	465	0.19	<0.05	2.67	0.286	0.18	1.2
X966900		2.8	62.7	<0.002	1.60	1.31	34.5	2	0.8	924	0.16	0.36	0.96	0.414	0.48	0.5
X966901		2.4	64.9	<0.002	1.61	1.24	35.1	1	0.7	678	0.17	0.28	0.98	0.403	0.54	0.5
X966902		2.4	57.8	<0.002	0.81	1.09	35.1	1	0.7	847	0.16	0.24	0.97	0.427	0.43	0.4
X966903		4.4	67.2	<0.002	4.94	1.42	25.2	4	0.7	655	0.12	1.54	0.66	0.309	0.54	0.3
X966904		1.9	73.1	<0.002	1.23	1.02	32.0	1	0.8	554	0.19	0.24	1.12	0.419	0.58	0.5
X966905		2.3	73.2	0.003	2.33	1.06	34.4	2	0.8	595	0.15	0.46	0.98	0.389	0.58	0.5
X966906		2.8	74.3	<0.002	1.96	1.19	34.5	2	0.8	780	0.19	0.65	1.06	0.447	0.61	0.5
X966907		2.7	83.2	<0.002	1.43	1.93	34.1	1	0.8	1375	0.14	0.78	1.35	0.437	0.73	0.7
X966908		3.0	78.4	<0.002	1.42	1.71	32.8	2	0.8	1630	0.14	0.85	1.33	0.446	0.74	0.7
X966909		2.1	71.3	0.002	0.93	1.38	33.1	1	0.7	955	0.19	0.18	1.05	0.458	0.58	0.5
X966910		2.4	62.1	<0.002	0.97	1.44	33.7	1	0.8	948	0.18	0.15	1.12	0.438	0.53	0.5
X966911		1.5	104.0	<0.002	1.25	2.29	38.5	1	0.6	209	0.09	0.58	1.12	0.350	0.90	0.6
X966912		2.3	108.0	<0.002	4.04	4.03	34.8	3	0.6	265	0.08	1.32	1.03	0.290	0.95	0.6
X966913		3.2	36.0	<0.002	1.63	1.38	27.4	2	0.7	1070	0.16	0.69	1.45	0.389	0.35	0.7
X966914		2.3	70.0	<0.002	0.95	1.20	34.1	1	0.7	804	0.16	0.24	0.97	0.449	0.64	0.5
X966915		2.6	47.1	<0.002	0.48	1.24	33.1	1	0.8	951	0.15	0.11	0.88	0.419	0.44	0.5
X966916		1.9	60.6	<0.002	0.24	1.00	36.8	<1	0.6	818	0.16	0.07	0.95	0.444	0.61	0.5
X966917		1075	18.1	0.018	6.88	46.1	6.4	33	19.2	75.8	0.24	0.35	2.73	0.117	6.99	2.6
X966918		3.2	60.9	<0.002	0.16	1.26	33.3	1	0.7	1095	0.16	0.07	0.96	0.433	0.57	0.5
X966919		1.8	59.8	<0.002	0.15	1.10	32.5	1	0.6	880	0.18	0.07	0.94	0.441	0.64	0.5
X966920		1.7	60.3	<0.002	0.18	1.05	33.3	1	0.6	936	0.19	0.05	0.99	0.443	0.57	0.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X966881		72	1.8	9.9	7180	43.0	
X966882		265	0.9	13.5	52	18.7	
X966883		263	0.8	13.0	52	20.3	
X966884		256	0.7	12.6	56	15.5	
X966885		240	1.0	11.7	60	18.2	
X966886		273	1.1	13.7	72	18.0	
X966887		247	1.1	12.3	64	13.4	
X966888		261	1.3	14.3	35	17.1	
X966889		266	1.2	14.7	36	22.6	
X966890		61	4.4	7.8	>10000	27.2	1.350
X966891		266	1.3	14.7	42	18.4	
X966892		275	1.4	15.1	40	22.8	
X966893		257	1.3	13.6	49	20.6	
X966894		259	1.4	14.4	48	25.9	
X966895		220	1.0	11.5	52	14.7	
X966896		230	1.1	11.4	42	15.9	
X966897		268	1.1	15.1	41	21.7	
X966898		265	1.0	15.0	40	21.8	
X966899		130	1.2	18.2	58	15.8	
X966900		263	1.0	14.9	51	19.9	
X966901		252	1.0	14.3	49	18.3	
X966902		258	0.9	14.2	42	17.4	
X966903		214	0.7	11.9	52	10.7	
X966904		261	1.1	15.5	43	19.8	
X966905		251	0.9	14.0	42	17.1	
X966906		280	1.1	15.2	49	24.1	
X966907		285	1.0	15.5	51	18.1	
X966908		293	1.0	15.7	51	20.6	
X966909		290	1.0	16.0	44	21.3	
X966910		272	1.0	14.8	41	17.9	
X966911		251	0.9	11.5	59	16.3	
X966912		218	0.7	10.4	66	13.4	
X966913		249	0.8	14.8	54	21.5	
X966914		279	1.0	15.2	52	20.3	
X966915		264	0.8	14.6	45	20.5	
X966916		274	0.7	14.9	47	18.5	
X966917		74	2.0	10.7	7510	45.9	
X966918		274	0.6	14.7	48	18.1	
X966919		279	0.5	15.0	43	21.6	
X966920		281	0.6	15.4	42	19.8	



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CERTIFICATE OF ANALYSIS VA18282711

Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	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
X966921		3.80	<0.005	0.04	7.05	14.1	720	1.11	0.12	8.50	0.08	15.50	36.0	245	1.08	107.0
X966922		3.38	<0.005	0.04	7.35	1.2	600	1.01	0.10	9.11	0.07	18.15	33.8	129	0.83	83.8
X966923		4.48	0.005	0.05	7.09	2.8	320	0.75	0.13	8.92	0.06	14.15	46.9	75	1.13	134.0
X966924		2.72	<0.005	0.01	7.38	0.6	550	1.02	0.11	9.08	0.07	16.75	35.2	159	1.02	95.2
X966925		3.20	<0.005	0.06	7.12	0.7	650	1.13	0.26	7.87	0.05	16.35	32.4	149	0.98	164.0
X966926		0.18	0.936	58.6	2.18	1460	120	0.39	25.1	2.01	82.9	13.30	48.9	56	1.05	4580
X966927		1.36	0.021	0.22	6.51	1.9	770	0.79	1.66	9.40	0.14	13.45	67.5	104	0.75	362
X966928		1.98	0.005	0.04	7.47	1.0	520	1.12	0.13	8.80	0.09	16.40	34.9	136	1.16	122.0
X966929		5.18	0.027	0.06	7.07	1.3	490	1.13	0.09	9.35	0.06	15.60	36.8	158	1.24	115.0
X966930		5.18	0.005	0.06	6.80	4.1	520	1.16	0.10	9.26	0.04	15.40	43.3	173	1.26	155.0
X966931		5.34	0.009	0.07	7.25	3.4	510	1.01	0.06	9.12	0.08	14.95	34.7	127	1.30	134.5
X966932		5.32	<0.005	0.06	7.34	1.8	540	1.04	0.10	9.17	0.06	16.30	34.6	132	1.22	140.5
X966933		5.00	<0.005	0.09	7.25	2.3	500	0.97	0.12	8.69	0.08	16.55	38.6	120	1.09	164.0
X966934		5.00	<0.005	0.07	7.03	2.8	650	1.07	0.09	8.99	0.08	14.70	41.7	114	1.15	195.0
X966935		0.32	<0.005	0.08	7.65	1.7	590	0.77	0.09	4.27	0.12	21.1	14.8	22	0.69	100.5
X966936		5.16	0.013	0.10	7.10	5.0	470	1.03	0.08	8.99	0.06	15.90	38.3	135	1.09	130.0
X966937		5.58	0.026	0.07	7.09	0.7	590	1.22	0.11	9.15	0.06	15.80	35.7	146	1.06	132.5
X966938		6.32	0.007	0.06	7.37	2.6	600	1.19	0.10	9.08	0.06	15.75	38.0	125	1.02	121.0
X966939		2.46	0.011	0.21	7.36	11.1	500	1.02	0.07	8.96	0.12	15.15	43.0	115	0.88	275
X966940		4.54	0.009	0.09	7.08	4.3	550	0.93	0.07	8.68	0.08	16.10	37.0	142	1.02	169.5
X966941		4.22	<0.005	0.07	6.41	1.5	600	1.13	0.06	9.33	0.07	12.40	35.2	191	0.96	165.0
X966942		3.94	0.008	0.11	7.09	3.3	500	1.23	0.08	9.03	0.11	16.70	38.0	138	0.94	195.5
X966943		2.16	0.008	0.08	6.32	2.7	490	1.14	0.06	9.31	0.09	14.60	36.7	217	0.92	126.0
X966944		2.26	<0.005	0.08	6.42	1.4	480	1.10	0.07	9.76	0.11	15.20	36.9	240	0.97	113.5
X966945		4.70	0.018	0.09	7.17	5.4	500	1.23	0.08	9.32	0.13	16.05	42.1	156	0.99	158.5
X966946		5.40	0.111	0.11	6.84	2.6	470	1.19	0.08	9.48	0.11	15.70	35.5	188	0.94	95.5
X966947		2.36	<0.005	0.15	6.61	0.3	670	1.35	0.41	9.36	0.13	6.78	47.6	130	1.28	302
X966948		4.58	0.016	0.09	7.10	0.8	570	1.06	0.19	8.12	0.13	16.60	42.6	165	1.03	234
X966949		4.06	0.076	0.05	7.39	1.2	560	1.06	0.14	8.24	0.17	17.60	35.7	141	0.89	140.0
X966950		5.04	0.005	0.06	7.45	1.4	440	1.15	0.18	8.67	0.12	17.25	42.7	154	0.88	189.5
X966951		5.22	<0.005	0.03	7.72	11.5	350	1.09	0.17	9.65	0.10	16.40	39.6	151	0.67	46.1
X966952		4.20	0.005	0.12	7.87	5.0	510	1.01	0.67	9.42	0.15	18.30	35.7	110	0.55	135.0
X966953		0.18	0.282	18.35	3.41	261	290	0.56	11.90	2.27	51.1	22.9	18.8	49	1.03	2200
X966954		3.60	0.012	0.21	7.18	0.2	820	1.12	0.81	8.58	0.21	17.10	46.1	106	0.85	343
X966955		4.50	<0.005	0.12	7.19	0.6	1080	1.18	0.74	7.11	0.11	17.50	42.7	145	0.79	285
X966956		5.22	<0.005	0.04	7.59	2.5	560	1.08	0.15	8.52	0.12	18.70	36.7	160	1.06	122.0
X966957		3.04	0.007	0.09	9.00	0.5	1030	0.84	0.37	8.07	0.15	18.25	43.5	12	0.66	222
X966958		4.00	<0.005	0.08	7.13	<0.2	1400	1.30	0.34	6.59	0.08	16.45	32.3	169	1.15	178.5
X966959		2.26	<0.005	0.17	8.58	<0.2	1660	1.05	0.56	4.04	0.06	15.95	22.9	10	1.59	339
X966960		3.10	0.012	0.42	7.04	0.3	570	0.86	3.64	4.27	0.10	15.15	59.5	111	1.95	868



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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
X966921		7.38	15.05	0.05	0.7	0.067	2.04	7.1	8.4	5.07	1320	0.37	1.54	2.9	126.0	1500
X966922		7.67	17.90	0.08	0.8	0.103	1.65	8.7	6.6	4.54	1320	0.50	1.33	4.7	55.9	1630
X966923		8.83	17.50	0.07	0.8	0.073	1.63	6.6	6.5	4.73	1250	0.37	1.23	1.9	62.8	1420
X966924		8.03	17.50	0.07	0.8	0.105	1.74	7.7	6.5	4.60	1380	0.66	1.59	3.2	58.3	1490
X966925		8.19	16.65	0.07	0.8	0.126	1.72	7.6	6.5	4.35	1340	0.42	1.83	3.2	54.1	1560
X966926		21.3	8.45	0.35	0.9	4.19	0.49	7.4	13.3	0.97	799	8.99	0.05	2.0	29.6	330
X966927		9.80	12.85	0.08	0.6	0.097	2.22	6.2	6.7	3.49	1180	1.72	1.93	2.3	61.7	1220
X966928		7.78	17.25	0.06	2.1	0.094	1.72	7.7	6.4	4.19	1390	0.77	1.88	3.0	48.6	1570
X966929		7.96	15.85	0.08	0.9	0.075	1.83	7.3	6.8	4.59	1480	0.80	1.55	3.0	57.7	1480
X966930		7.72	15.35	0.07	0.8	0.058	1.75	7.2	6.8	4.68	1410	0.70	1.63	2.9	61.9	1400
X966931		7.80	15.80	0.07	0.7	0.066	1.91	6.9	7.2	4.35	1380	0.70	1.71	2.9	48.0	1540
X966932		7.59	17.35	0.06	0.9	0.081	1.89	7.6	7.4	4.24	1330	0.57	1.68	3.1	47.4	1620
X966933		7.80	17.00	0.08	0.7	0.091	1.70	7.7	7.0	4.14	1300	0.70	1.71	3.4	49.7	1550
X966934		7.86	15.70	0.05	0.7	0.067	2.03	6.8	8.0	4.32	1360	0.84	1.62	2.7	48.0	1510
X966935		4.61	17.30	0.08	1.1	0.057	1.24	8.8	8.1	1.50	941	6.15	2.41	3.3	14.5	560
X966936		7.71	16.65	0.05	0.7	0.070	1.81	7.3	6.9	4.34	1360	0.53	1.65	3.0	53.8	1470
X966937		7.74	15.95	0.08	0.7	0.091	1.88	7.4	7.4	4.46	1380	0.37	1.61	3.0	52.5	1440
X966938		7.96	17.50	0.08	0.7	0.090	1.84	7.4	7.2	4.37	1340	0.51	1.58	3.0	51.8	1520
X966939		7.42	16.25	0.07	0.8	0.073	1.71	7.1	6.4	4.16	1300	0.42	1.72	2.7	48.9	1470
X966940		7.87	16.05	0.07	0.7	0.085	1.90	7.5	7.0	4.55	1310	0.38	1.55	3.4	54.3	1500
X966941		7.84	14.25	0.07	0.7	0.084	2.02	5.7	8.2	5.09	1370	0.64	1.31	2.5	55.7	1340
X966942		7.54	16.35	0.11	0.7	0.105	1.86	7.8	9.0	4.38	1300	1.29	1.52	3.1	56.1	1430
X966943		7.97	14.20	0.10	0.8	0.080	1.77	6.7	7.9	5.29	1400	0.84	1.19	2.7	65.5	1240
X966944		8.24	14.50	0.07	0.8	0.086	1.84	7.0	8.4	5.52	1460	0.98	1.19	2.7	67.0	1320
X966945		7.85	17.25	0.08	0.7	0.086	1.83	7.6	8.5	4.54	1390	0.47	1.48	3.0	58.7	1380
X966946		8.17	15.60	0.07	0.7	0.093	1.77	7.1	8.2	5.04	1500	0.60	1.35	3.1	54.2	1400
X966947		8.85	13.95	0.07	0.6	0.103	2.61	3.2	12.5	5.34	1540	0.21	1.07	1.7	49.0	1200
X966948		8.89	15.60	0.08	0.8	0.125	2.11	7.9	9.7	4.85	1400	0.52	1.42	3.2	53.7	1470
X966949		8.06	16.20	0.08	0.8	0.106	2.03	8.2	9.2	4.61	1400	0.56	1.59	3.6	51.2	1600
X966950		8.18	17.05	0.08	0.8	0.098	1.85	8.0	7.8	4.57	1330	0.46	1.53	3.0	58.1	1510
X966951		7.33	17.85	0.07	0.9	0.066	1.41	7.7	6.8	4.70	1240	0.30	1.51	2.4	66.3	1330
X966952		7.32	18.70	0.09	0.9	0.064	1.41	8.6	6.3	4.17	1180	0.51	1.74	2.5	48.2	1530
X966953		8.96	13.40	0.15	1.6	1.920	0.47	12.5	29.8	2.63	519	13.70	0.10	3.5	33.2	430
X966954		9.61	17.25	0.08	1.0	0.095	2.13	8.4	9.4	4.46	1480	0.49	1.23	2.9	45.6	1700
X966955		10.05	16.25	0.10	0.9	0.117	2.40	8.4	10.7	4.89	1360	0.91	1.29	3.3	50.5	1470
X966956		8.26	17.10	0.07	0.9	0.085	2.00	8.6	8.5	4.92	1470	0.75	1.58	3.6	60.4	1760
X966957		8.34	19.00	0.08	0.9	0.083	2.01	8.7	7.1	3.09	1100	0.72	2.01	1.8	32.4	1660
X966958		8.53	15.25	0.07	0.9	0.099	3.03	7.7	13.9	4.82	1500	0.63	1.37	3.2	52.5	1480
X966959		7.11	17.35	0.06	1.2	0.077	3.39	7.6	15.9	3.31	1140	1.21	2.94	6.2	17.7	1730
X966960		12.85	16.45	0.11	0.8	0.114	3.28	7.2	14.7	4.26	1040	1.15	2.03	3.1	60.1	1830



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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
X966921		1.6	76.1	<0.002	0.34	1.57	31.7	<1	0.6	763	0.16	0.80	1.03	0.416	0.65	0.5
X966922		2.5	56.8	<0.002	0.31	1.31	32.4	<1	0.8	965	0.27	0.05	1.12	0.451	0.50	0.5
X966923		2.6	66.9	<0.002	0.61	0.96	56.5	1	0.8	1010	0.12	0.07	0.97	0.541	0.60	0.5
X966924		1.8	66.6	0.002	0.47	1.00	34.3	1	0.8	875	0.19	0.06	1.00	0.450	0.61	0.5
X966925		1.6	63.1	<0.002	0.82	1.12	33.5	1	0.7	647	0.20	0.17	1.00	0.429	0.58	0.5
X966926		4170	18.6	0.021	>10.0	176.5	4.9	124	19.3	81.6	0.14	0.28	1.54	0.079	14.20	2.0
X966927		4.1	56.0	<0.002	2.43	0.99	26.2	2	0.6	675	0.14	1.61	0.74	0.361	0.47	0.4
X966928		2.1	68.2	<0.002	0.47	1.12	31.2	1	0.8	949	0.17	<0.05	1.04	0.440	0.65	0.5
X966929		1.7	74.2	<0.002	0.31	0.95	34.9	1	0.7	1055	0.17	0.07	0.96	0.439	0.66	0.5
X966930		1.4	71.8	<0.002	0.37	0.89	37.9	1	0.7	865	0.17	0.09	0.94	0.429	0.71	0.5
X966931		1.4	73.2	<0.002	0.21	0.91	32.9	<1	0.6	913	0.16	0.09	0.97	0.432	0.72	0.5
X966932		1.5	69.1	<0.002	0.26	0.94	32.0	<1	0.8	961	0.18	0.09	1.04	0.441	0.67	0.5
X966933		2.0	65.2	<0.002	0.35	1.08	31.1	1	0.7	843	0.19	0.10	0.97	0.434	0.56	0.5
X966934		1.2	70.0	0.002	0.46	1.03	35.9	<1	0.7	982	0.17	0.11	0.98	0.411	0.61	0.5
X966935		7.3	17.1	<0.002	0.01	0.46	16.6	<1	1.2	473	0.22	<0.05	2.26	0.295	0.18	1.1
X966936		1.3	63.6	<0.002	0.17	0.86	32.2	1	0.7	905	0.18	0.07	1.02	0.430	0.57	0.5
X966937		1.3	65.0	<0.002	0.29	0.92	34.3	<1	0.7	933	0.18	0.10	1.01	0.432	0.53	0.5
X966938		1.3	61.9	<0.002	0.24	0.98	33.4	<1	0.7	892	0.18	0.11	0.98	0.450	0.55	0.5
X966939		1.4	56.6	<0.002	0.21	0.93	31.6	1	0.8	1180	0.17	0.14	0.93	0.424	0.51	0.5
X966940		1.1	61.4	<0.002	0.21	0.88	33.0	1	0.8	771	0.21	0.14	0.95	0.446	0.58	0.5
X966941		1.2	66.9	0.002	0.38	0.85	43.1	1	0.6	549	0.15	0.12	0.95	0.400	0.62	0.4
X966942		5.4	64.7	0.002	0.40	1.49	36.0	1	0.8	1025	0.18	0.19	0.96	0.440	0.57	0.5
X966943		1.9	59.4	0.002	0.23	0.91	41.9	<1	0.6	1300	0.16	0.11	0.88	0.410	0.53	0.4
X966944		1.6	62.5	0.002	0.21	0.85	44.6	<1	0.6	913	0.16	0.09	0.90	0.435	0.57	0.5
X966945		3.0	65.6	<0.002	0.29	1.08	37.0	<1	0.6	1340	0.17	0.06	0.99	0.424	0.57	0.5
X966946		3.1	60.1	<0.002	0.22	1.24	39.9	<1	0.7	1645	0.19	0.08	0.95	0.433	0.56	0.5
X966947		5.5	85.6	<0.002	0.82	1.21	47.8	1	0.7	959	0.10	0.68	0.86	0.298	0.75	0.3
X966948		3.9	72.0	<0.002	0.79	0.95	39.4	1	0.8	564	0.18	0.22	1.04	0.455	0.61	0.5
X966949		4.8	60.9	0.002	0.54	1.09	35.2	1	0.7	978	0.22	0.23	1.07	0.463	0.61	0.5
X966950		4.1	61.9	0.003	0.72	0.91	34.9	1	0.7	825	0.18	0.17	0.99	0.441	0.51	0.5
X966951		3.4	44.7	<0.002	0.29	1.14	38.6	<1	0.7	775	0.16	0.20	1.39	0.417	0.41	0.6
X966952		5.8	43.4	<0.002	0.83	1.73	36.0	1	0.6	858	0.17	1.03	1.65	0.401	0.40	0.8
X966953		1095	19.3	0.015	7.02	46.7	6.7	33	19.8	77.9	0.29	0.31	3.11	0.124	7.07	2.9
X966954		7.7	68.7	<0.002	2.04	1.74	38.8	1	0.9	939	0.19	1.09	1.44	0.417	0.60	0.7
X966955		4.5	70.4	0.002	1.78	1.19	36.6	1	0.7	518	0.21	0.88	1.09	0.461	0.57	0.5
X966956		7.3	71.9	0.003	0.47	1.24	38.9	<1	1.3	937	0.22	0.11	1.20	0.468	0.71	0.6
X966957		5.5	55.2	<0.002	1.53	1.15	29.9	1	0.7	2060	0.11	0.30	1.61	0.466	0.46	0.8
X966958		2.8	94.1	0.002	1.16	1.21	36.1	1	0.8	338	0.19	0.36	1.08	0.434	0.76	0.5
X966959		2.8	86.8	<0.002	1.53	0.48	14.1	1	0.7	224	0.48	0.67	2.14	0.365	0.96	0.9
X966960		4.7	75.5	<0.002	3.69	0.63	36.6	4	0.7	224	0.19	3.39	1.35	0.413	1.08	0.9



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X966921		263	0.6	14.3	41	17.7	
X966922		275	0.7	15.2	40	19.2	
X966923		388	0.4	15.3	40	16.6	
X966924		278	0.7	15.4	38	16.2	
X966925		268	0.7	15.2	39	19.2	
X966926		66	7.4	8.4	>10000	29.4	1.430
X966927		228	0.8	12.2	45	13.0	
X966928		274	0.7	15.4	45	17.8	
X966929		274	0.6	14.7	47	19.5	
X966930		267	0.5	14.5	45	16.1	
X966931		275	0.6	14.1	41	15.9	
X966932		271	0.6	15.0	37	18.7	
X966933		271	0.6	15.0	38	17.8	
X966934		273	0.7	14.0	38	15.2	
X966935		133	1.7	18.5	60	17.6	
X966936		271	0.6	14.7	40	15.9	
X966937		269	0.6	14.7	39	16.0	
X966938		281	0.6	15.0	41	15.9	
X966939		271	0.6	14.7	40	14.5	
X966940		277	0.6	14.2	43	14.4	
X966941		257	0.7	12.5	43	15.2	
X966942		279	0.7	15.4	42	17.8	
X966943		260	0.7	13.2	45	16.1	
X966944		272	0.7	13.8	47	15.9	
X966945		271	0.7	14.9	43	16.0	
X966946		273	0.7	14.7	48	16.2	
X966947		236	0.9	9.1	52	12.9	
X966948		281	0.9	14.5	50	18.7	
X966949		290	1.0	15.4	54	28.6	
X966950		273	0.8	15.3	43	16.9	
X966951		272	0.7	15.0	43	18.4	
X966952		276	0.8	14.7	42	23.3	
X966953		77	2.1	11.2	7550	51.3	
X966954		296	1.6	13.9	62	24.4	
X966955		291	1.2	15.3	51	21.2	
X966956		292	1.4	16.2	49	20.6	
X966957		324	0.8	16.8	35	22.5	
X966958		272	1.4	14.6	53	23.0	
X966959		225	1.5	13.4	50	36.2	
X966960		307	1.5	13.5	52	19.8	



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	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	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
X966961		3.00	<0.005	0.17	5.59	3.1	760	1.02	0.96	7.28	0.08	12.95	43.3	609	1.87	290
X966962		0.18	0.945	55.4	2.26	1525	260	0.35	27.3	2.07	84.0	15.05	48.2	58	1.11	4630
X966963		5.08	<0.005	0.13	7.25	1.1	1110	1.28	0.30	6.96	0.16	16.90	45.0	189	1.34	309
X966964		3.28	<0.005	0.06	7.33	0.6	680	1.13	0.29	8.30	0.07	18.60	45.0	124	1.47	202
X966965		4.92	<0.005	0.04	7.38	4.2	560	1.07	0.13	8.76	0.08	17.95	41.9	154	1.31	105.0
X966966		5.36	0.018	0.07	7.76	5.2	490	1.14	0.09	9.45	0.09	18.05	39.4	150	1.16	120.0
X966967		5.28	0.005	0.07	7.42	13.1	460	0.98	0.09	8.82	0.09	17.30	44.6	124	1.01	147.0
X966968		5.18	<0.005	0.05	7.49	<0.2	520	0.95	0.14	9.03	0.07	17.20	42.6	124	0.67	204
X966969		4.94	<0.005	0.05	6.67	4.3	670	1.22	0.21	8.24	0.06	17.45	41.1	281	1.20	158.5
X966970		5.08	<0.005	0.08	7.35	0.3	720	1.11	0.35	7.60	0.06	17.25	41.6	150	1.00	185.5
X966971		0.34	<0.005	0.08	7.89	2.1	610	0.85	0.10	4.44	0.10	23.3	16.2	25	0.74	101.5
X966972		5.44	0.005	0.08	7.36	0.8	480	0.93	0.41	7.77	0.08	16.65	41.1	132	0.95	235
X966973		4.62	<0.005	0.07	7.68	0.2	480	1.07	0.29	7.83	0.08	17.80	38.6	127	0.87	223
X966974		4.56	<0.005	0.05	7.33	1.4	350	1.01	0.16	8.54	0.07	16.50	36.4	129	0.84	133.0
X966975		4.36	0.013	0.05	7.19	3.1	370	0.96	0.11	8.99	0.07	16.05	37.7	142	0.95	122.5
X966976		2.64	<0.005	0.06	6.70	0.4	430	1.07	0.11	8.89	0.08	13.75	36.0	103	1.35	159.5
X966977		3.78	0.010	0.08	7.12	0.5	370	0.97	0.10	9.17	0.07	13.55	35.6	94	0.96	165.0
X966978		3.12	0.010	0.17	7.16	2.5	430	0.82	0.10	9.12	0.15	15.85	34.7	146	0.84	269
X966979		3.04	0.009	0.16	7.09	1.5	420	0.81	0.10	9.08	0.16	15.85	33.2	149	0.82	256
X966980		2.98	<0.005	0.01	5.56	21.5	810	1.09	0.07	8.26	0.03	13.10	40.7	482	1.35	9.6
X966981		5.02	<0.005	0.07	5.82	6.6	330	0.99	0.08	9.64	0.08	12.00	46.6	312	0.82	136.0
X966982		5.12	<0.005	0.08	6.78	2.9	300	1.09	0.07	9.59	0.06	16.00	37.2	240	0.78	164.0
X966983		4.38	0.006	0.13	6.69	3.4	430	1.00	0.06	8.98	0.09	15.10	33.2	143	0.87	153.5
X966984		5.26	0.007	0.10	6.64	4.8	420	1.01	0.11	9.24	0.07	14.60	38.7	196	0.89	162.0
X966985		5.02	0.005	0.05	6.83	2.8	460	1.04	0.09	8.53	0.03	15.70	36.9	131	0.83	92.7
X966986		5.20	0.006	0.23	7.01	7.6	510	1.08	0.08	8.38	0.11	14.70	39.1	117	0.90	270
X966987		5.26	0.017	0.18	6.84	8.3	450	1.07	0.06	9.29	0.11	15.40	38.2	167	0.86	201
X966988		5.08	0.005	0.14	7.03	13.3	440	1.18	0.05	8.56	0.10	15.65	40.0	151	0.79	183.5
X966989		0.18	0.290	19.55	3.38	263	130	0.52	12.05	2.29	48.7	22.1	17.3	49	0.94	2210
X966990		5.32	0.029	0.08	6.80	7.1	450	1.10	0.08	8.77	0.13	15.70	37.8	171	0.92	95.7
X966991		4.92	0.005	0.16	6.72	8.1	460	0.98	0.07	8.34	0.15	15.10	37.9	160	0.91	209
X966992		5.08	0.170	0.20	6.98	9.8	560	1.08	0.13	8.39	0.16	16.10	37.5	136	0.85	242
X966993		3.96	<0.005	0.06	6.81	1.7	710	1.12	0.08	7.99	0.06	14.30	35.3	147	0.86	127.0
X966994		4.84	<0.005	0.05	6.88	1.4	550	0.97	0.08	8.70	0.08	15.95	26.7	129	0.85	103.0
X966995		3.22	0.006	0.12	5.95	0.7	460	1.01	0.21	8.54	0.04	12.60	33.5	166	1.09	188.0
X966996		2.38	0.047	0.85	5.31	0.9	320	0.73	1.90	7.19	0.09	8.15	151.0	98	1.17	1045
X966997		5.42	<0.005	0.09	8.02	6.0	640	0.96	0.18	7.61	0.09	14.15	34.2	49	0.75	143.5
X966998		0.18	0.958	58.0	2.23	1485	110	0.41	27.6	2.06	82.7	13.25	48.5	57	1.07	4630
FG18- 08GS		1.12	0.009	0.46	7.78	2.0	1230	1.45	0.12	5.41	0.12	21.4	13.0	6	0.22	868



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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
X966961		10.30	12.75	0.09	0.6	0.081	3.01	6.2	13.6	6.77	1450	0.54	0.74	1.9	341	1220
X966962		21.6	8.45	0.38	1.0	4.17	0.49	8.2	14.0	0.99	812	8.93	0.05	2.3	28.5	320
X966963		8.92	16.70	0.09	0.8	0.078	2.70	8.1	12.2	5.03	1280	0.67	1.38	3.2	65.5	1520
X966964		8.49	16.35	0.08	0.8	0.065	2.24	9.0	10.3	4.64	1400	0.60	1.81	2.8	52.2	1810
X966965		7.90	16.30	0.08	0.7	0.076	1.91	8.5	9.0	4.74	1460	0.82	1.75	3.2	55.1	1590
X966966		7.99	17.40	0.08	0.8	0.078	1.74	8.5	8.3	4.74	1540	0.41	1.63	3.6	57.2	1630
X966967		7.63	16.20	0.08	0.7	0.068	1.52	8.0	6.9	4.41	1440	0.37	1.73	3.2	52.1	1570
X966968		7.73	17.65	0.07	0.8	0.079	1.29	8.0	6.1	4.29	1360	0.95	1.78	3.4	50.1	1550
X966969		8.17	15.65	0.08	0.7	0.080	2.21	8.4	10.5	5.72	1380	0.51	1.08	3.3	132.0	1440
X966970		8.38	16.10	0.08	0.8	0.085	2.13	8.1	10.3	4.58	1180	0.44	1.71	3.8	61.7	1520
X966971		4.80	17.75	0.06	1.0	0.057	1.28	9.3	8.7	1.56	990	6.32	2.50	3.8	15.3	610
X966972		8.15	16.50	0.08	0.8	0.086	1.81	7.5	8.6	4.18	1200	0.62	1.82	3.2	52.2	1530
X966973		8.15	17.15	0.07	0.8	0.100	1.69	8.3	8.6	4.10	1240	0.52	1.98	3.8	49.5	1620
X966974		7.52	17.60	0.10	0.8	0.096	1.45	7.9	7.3	4.19	1210	0.33	1.68	3.2	53.7	1470
X966975		7.48	16.50	0.07	0.7	0.077	1.61	7.5	8.2	4.57	1240	0.41	1.67	3.2	55.1	1400
X966976		8.19	15.40	0.08	0.8	0.069	2.12	6.6	10.8	4.99	1380	0.31	1.40	1.9	44.8	1460
X966977		7.50	14.20	0.06	0.7	0.067	1.88	6.4	10.1	4.39	1290	0.27	2.08	1.8	40.1	1480
X966978		7.19	17.55	0.07	0.7	0.097	1.52	7.3	7.4	4.45	1220	0.35	1.57	3.1	57.0	1500
X966979		7.31	16.65	0.06	0.7	0.086	1.54	7.4	7.5	4.56	1260	0.34	1.56	3.1	60.5	1520
X966980		6.84	12.05	0.08	0.6	0.046	2.64	6.1	15.6	6.81	1260	0.30	0.69	2.3	256	1240
X966981		7.74	13.40	0.07	0.7	0.053	1.44	5.4	8.1	6.33	1240	0.50	1.05	2.2	100.5	1140
X966982		7.83	16.25	0.08	0.7	0.068	1.34	7.4	6.8	5.16	1260	0.46	1.45	2.9	63.1	1400
X966983		7.35	14.50	0.08	0.7	0.053	1.56	7.0	8.2	4.64	1230	0.54	1.65	2.8	53.2	1460
X966984		7.98	16.05	0.06	0.7	0.064	1.56	6.7	8.5	5.00	1350	0.34	1.35	2.6	60.8	1350
X966985		7.64	16.30	0.08	0.8	0.058	1.53	7.2	8.4	4.40	1300	0.37	1.57	2.8	51.8	1470
X966986		7.84	16.35	0.06	0.7	0.068	1.68	6.8	9.1	4.40	1300	1.21	1.71	2.7	50.7	1540
X966987		7.80	17.00	0.07	0.7	0.077	1.57	7.0	8.5	4.76	1360	0.49	1.54	2.8	55.6	1380
X966988		7.56	15.90	0.06	0.7	0.061	1.46	7.2	7.9	4.45	1320	0.44	1.68	2.9	57.6	1470
X966989		9.00	13.00	0.13	1.5	1.885	0.47	11.3	27.3	2.66	513	13.55	0.10	3.1	33.0	410
X966990		8.08	15.35	0.06	0.8	0.060	1.68	7.2	9.1	4.88	1480	0.34	1.53	3.3	61.0	1460
X966991		7.74	14.75	0.09	0.7	0.077	1.69	7.0	8.9	4.70	1400	0.41	1.58	3.1	57.7	1350
X966992		7.28	15.55	0.07	0.9	0.096	1.70	7.3	9.6	4.14	1360	0.63	1.76	3.2	52.8	1430
X966993		7.75	14.95	0.08	0.8	0.111	1.97	6.5	11.0	4.45	1490	0.50	1.68	2.6	56.1	1430
X966994		7.37	16.10	0.08	0.8	0.133	1.84	7.5	10.0	4.25	1450	0.68	1.95	3.4	47.9	1410
X966995		8.53	13.15	0.05	0.6	0.145	1.96	5.8	11.0	4.42	1580	1.26	1.98	2.3	45.1	1230
X966996		16.35	10.70	0.09	0.6	0.154	2.12	3.9	11.4	3.80	1500	0.75	1.93	1.9	69.2	1090
X966997		6.93	19.45	0.08	0.9	0.105	1.85	6.6	10.0	3.25	1180	0.35	2.15	2.2	33.6	1770
X966998		21.8	8.44	0.40	0.9	4.09	0.49	7.3	12.8	0.99	805	9.02	0.05	2.1	29.3	320
FG18- 08GS		3.37	19.95	0.11	1.6	0.032	3.80	10.3	2.7	0.93	589	0.24	3.54	8.1	6.6	1160



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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
X966961		3.2	108.0	<0.002	1.50	1.48	33.1	2	0.5	145.5	0.12	1.16	1.07	0.322	1.00	0.6
X966962		4220	19.8	0.017	>10.0	176.5	5.1	118	20.8	85.4	0.17	0.26	1.79	0.085	15.20	2.4
X966963		5.2	92.7	<0.002	1.44	1.05	39.4	2	0.6	563	0.20	0.16	1.07	0.446	0.80	0.5
X966964		2.8	86.9	<0.002	1.17	0.79	43.7	1	0.7	623	0.16	0.19	1.58	0.418	0.80	0.7
X966965		1.9	75.1	0.002	0.57	0.84	38.2	1	0.6	917	0.19	0.12	1.12	0.457	0.75	0.6
X966966		2.0	69.8	<0.002	0.34	0.99	37.1	<1	0.6	1160	0.22	0.05	1.17	0.477	0.69	0.6
X966967		1.9	59.1	<0.002	0.38	0.86	34.2	1	0.6	991	0.19	0.06	1.07	0.449	0.59	0.5
X966968		2.0	46.4	0.004	0.78	1.13	33.8	<1	0.8	1355	0.20	0.11	1.06	0.442	0.44	0.5
X966969		1.4	79.6	<0.002	0.63	1.16	36.5	1	0.7	822	0.20	0.12	1.21	0.414	0.71	0.6
X966970		1.7	71.6	0.002	1.10	0.93	34.4	1	0.7	669	0.23	0.20	1.13	0.440	0.64	0.5
X966971		8.8	18.8	<0.002	0.01	0.53	18.3	<1	1.3	489	0.26	<0.05	2.60	0.315	0.20	1.0
X966972		2.2	63.5	<0.002	1.16	1.14	33.5	1	0.7	885	0.20	0.25	1.11	0.438	0.59	0.5
X966973		2.1	57.8	<0.002	1.04	1.00	32.7	1	0.7	727	0.23	0.17	1.21	0.464	0.54	0.6
X966974		2.0	53.8	0.002	0.53	0.94	34.1	1	0.7	962	0.19	0.08	1.08	0.429	0.50	0.5
X966975		1.8	59.8	0.002	0.33	0.96	36.4	<1	0.7	1190	0.18	0.06	1.02	0.438	0.61	0.5
X966976		1.4	80.8	<0.002	0.40	1.16	47.1	1	0.8	843	0.11	0.06	1.11	0.368	0.78	0.5
X966977		1.9	63.6	<0.002	0.36	1.23	40.9	1	0.7	964	0.11	0.06	1.21	0.393	0.61	0.6
X966978		2.4	52.1	<0.002	0.35	1.03	32.3	1	0.7	1280	0.19	0.08	1.01	0.425	0.51	0.5
X966979		1.9	53.9	<0.002	0.35	0.99	31.6	1	0.7	1175	0.17	0.09	1.00	0.430	0.49	0.5
X966980		0.6	86.4	<0.002	0.01	1.25	34.6	<1	0.5	265	0.12	0.24	0.98	0.346	0.80	0.4
X966981		1.2	50.7	<0.002	0.24	1.07	48.0	<1	0.5	667	0.14	0.41	0.75	0.402	0.49	0.3
X966982		1.6	45.9	0.002	0.28	1.00	38.5	<1	0.6	1095	0.18	0.06	1.01	0.428	0.48	0.5
X966983		1.2	54.3	<0.002	0.15	0.81	36.5	<1	0.6	749	0.17	0.08	1.00	0.411	0.55	0.5
X966984		1.4	54.6	<0.002	0.21	1.03	40.4	<1	0.7	1140	0.15	0.09	0.92	0.412	0.59	0.4
X966985		1.8	50.0	<0.002	0.24	1.03	33.4	<1	0.6	939	0.16	0.08	0.97	0.418	0.55	0.5
X966986		1.6	47.5	<0.002	0.23	0.95	33.8	1	0.7	1115	0.17	0.13	0.94	0.425	0.56	0.5
X966987		1.8	54.5	<0.002	0.12	0.97	36.9	<1	0.7	1080	0.16	0.08	0.92	0.428	0.54	0.4
X966988		1.9	47.9	<0.002	0.12	0.94	32.1	1	0.6	1025	0.18	0.06	0.98	0.420	0.50	0.4
X966989		1080	17.3	0.015	6.92	47.7	6.4	34	19.1	75.4	0.24	0.38	2.77	0.118	6.99	2.6
X966990		2.8	54.8	<0.002	0.13	1.00	37.2	1	0.6	1030	0.18	0.08	0.97	0.439	0.59	0.5
X966991		1.8	56.3	<0.002	0.13	0.89	35.8	<1	0.6	794	0.18	0.09	0.94	0.431	0.57	0.4
X966992		1.6	56.8	<0.002	0.21	0.96	33.4	1	0.7	732	0.18	0.09	0.99	0.427	0.57	0.5
X966993		1.4	60.0	<0.002	0.37	0.92	31.5	1	0.7	624	0.16	0.14	0.90	0.413	0.56	0.4
X966994		1.7	58.2	<0.002	0.29	0.82	30.8	1	0.6	597	0.20	0.10	0.99	0.426	0.56	0.4
X966995		1.2	68.4	<0.002	0.88	0.69	33.3	1	0.7	396	0.14	0.27	0.79	0.385	0.64	0.4
X966996		2.1	77.1	<0.002	4.79	0.42	24.7	3	0.6	291	0.12	2.75	0.69	0.334	0.80	0.2
X966997		3.1	33.5	<0.002	0.46	0.93	26.8	<1	0.8	1670	0.14	0.18	1.18	0.455	0.57	0.6
X966998		4250	18.6	0.020	>10.0	179.0	5.0	132	20.3	83.4	0.14	0.28	1.58	0.082	14.35	2.0
FG18- 08GS		7.6	44.2	<0.002	1.19	0.43	7.0	2	0.8	1370	0.57	0.13	3.24	0.257	0.25	1.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X966961		223	1.3	11.1	63	16.6	
X966962		69	20.9	9.0	>10000	41.0	1.425
X966963		286	1.3	14.9	58	19.4	
X966964		308	0.9	15.1	47	19.0	
X966965		290	0.8	15.5	46	15.8	
X966966		294	0.8	16.3	50	18.0	
X966967		278	0.8	15.6	52	16.7	
X966968		281	0.8	15.7	40	19.3	
X966969		261	1.0	14.5	44	20.1	
X966970		279	1.0	14.9	37	20.2	
X966971		144	2.5	19.8	63	19.1	
X966972		272	1.1	15.3	40	18.1	
X966973		279	1.1	15.7	40	20.9	
X966974		271	0.8	15.4	35	17.2	
X966975		272	0.7	14.6	38	17.4	
X966976		274	1.1	13.2	47	16.8	
X966977		267	1.0	14.5	55	20.9	
X966978		270	0.7	14.4	40	16.6	
X966979		274	0.7	14.2	41	16.5	
X966980		223	0.6	11.1	51	15.0	
X966981		255	0.4	12.0	53	14.3	
X966982		270	0.6	14.0	47	17.5	
X966983		266	0.7	13.3	46	17.3	
X966984		262	0.7	13.8	48	15.4	
X966985		270	1.0	14.2	45	18.3	
X966986		276	0.6	13.7	49	17.1	
X966987		266	0.5	13.9	48	15.9	
X966988		266	0.6	14.0	46	16.6	
X966989		75	1.9	10.0	7410	51.0	
X966990		274	0.6	14.1	59	16.7	
X966991		274	0.6	13.4	53	16.3	
X966992		265	0.7	14.0	53	18.3	
X966993		262	0.8	13.2	50	16.2	
X966994		266	0.7	13.9	46	16.7	
X966995		240	0.7	11.9	59	15.2	
X966996		206	0.6	9.3	75	14.2	
X966997		306	0.7	13.7	40	18.7	
X966998		67	2.6	8.4	>10000	32.8	1.365
FG18- 08GS		142	0.4	12.0	30	46.9	



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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA23	CRU- 31	CRU- QC	LOG- 21
LOG- 23	ME- MS61	ME- OG62	PUL- 31
PUL- QC	SPL- 21	WEI- 21	Zn- OG62



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CERTIFICATE VA18288863

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This report is for 200 Rock samples submitted to our lab in Vancouver, BC, Canada on 14-NOV-2018.

The following have access to data associated with this certificate:

JAMES HYNES		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
DISP-01	Disposal of all sample fractions
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Pb-OG62	Ore Grade Pb - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21	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	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
X966999		4.58	0.008		0.14	7.20	0.3	760	1.17	0.40	7.29	0.34	16.35	39.1	94	0.60
X967000		4.22	0.014		0.20	7.37	0.9	790	1.05	2.27	8.46	0.13	16.15	35.1	90	0.54
X967001		3.94	0.007		0.20	7.29	0.6	1360	0.99	0.53	6.64	0.14	17.90	36.1	87	0.62
X967002		4.60	0.035		1.04	6.46	0.6	440	0.78	2.00	3.59	0.28	10.40	77.1	83	1.33
X967003		3.68	0.012		0.18	7.38	0.4	1290	1.08	0.47	6.46	0.12	15.35	42.1	92	0.51
X967004		4.82	0.122		0.32	6.76	3.4	1330	0.79	0.79	6.80	0.13	15.95	65.8	78	0.76
X967005		4.72	0.006		0.11	5.85	1.2	1200	1.01	0.27	7.53	0.14	14.25	46.2	155	0.85
X967006		4.64	<0.005		0.11	6.55	1.1	950	1.05	0.31	7.92	0.10	20.5	44.1	138	0.86
X967007		0.28	<0.005		0.07	7.53	2.3	590	0.69	0.11	4.29	0.10	21.4	13.7	26	0.69
X967008		3.76	<0.005		0.09	6.13	0.8	710	1.10	0.24	9.21	0.12	19.60	43.3	157	0.64
X967009		3.10	<0.005		0.13	6.27	0.7	970	1.06	0.56	7.22	0.09	20.1	45.6	185	0.81
X967010		4.66	0.196		0.29	7.37	0.6	1230	0.71	0.56	6.47	0.18	22.4	49.3	32	0.50
X967011		4.98	0.006		0.27	6.07	0.8	570	0.92	0.18	8.47	0.14	14.85	40.0	167	0.69
X967012		3.52	0.006		0.21	6.00	0.7	860	0.97	0.47	9.09	0.09	14.15	47.4	155	0.73
X967013		5.24	0.005		0.06	6.13	0.4	530	1.04	0.17	9.08	0.11	15.70	45.1	153	0.86
X967014		4.28	0.135		0.17	5.92	0.8	750	1.20	0.81	7.81	0.10	19.45	49.2	164	0.95
X967015		1.68	0.005		0.10	6.13	0.8	960	1.14	0.26	7.62	0.10	18.50	41.0	149	0.96
X967016		1.68	0.005		0.09	6.38	0.5	1020	1.20	0.31	7.77	0.09	18.20	40.2	149	1.00
X967017		3.52	<0.005		0.12	6.00	0.7	750	0.99	0.35	8.05	0.10	20.9	41.6	191	0.97
X967018		3.64	<0.005		0.05	6.23	1.0	660	0.92	0.15	8.90	0.10	20.8	37.4	188	0.80
X967019		2.70	<0.005		0.16	5.19	0.7	700	0.88	0.33	10.25	0.10	14.70	38.6	179	0.87
X967020		3.80	<0.005		0.06	5.99	1.4	910	0.95	0.24	8.80	0.09	17.80	38.8	197	1.03
X967021		3.40	<0.005		0.13	5.76	3.0	800	0.82	0.88	11.45	0.12	15.05	48.6	153	0.77
X967022		4.60	<0.005		0.06	6.53	0.5	490	0.89	0.19	7.77	0.08	14.50	43.3	129	0.62
X967023		4.50	<0.005		0.03	6.87	0.6	400	0.81	0.11	8.31	0.05	15.15	33.7	123	0.80
X967024		2.82	<0.005		0.08	6.54	0.2	620	0.84	0.10	7.91	0.11	15.30	40.8	173	0.68
X967025		0.14	0.317		17.55	3.22	255	220	0.51	10.45	2.16	46.7	22.2	16.3	48	0.90
X967026		3.48	<0.005		0.08	5.71	8.7	700	0.78	0.07	7.24	0.13	13.50	44.3	417	0.44
X967027		3.64	<0.005		0.06	4.74	14.3	470	0.55	0.09	6.51	0.12	11.30	58.4	789	0.22
X967028		3.88	<0.005		0.01	4.41	25.4	260	0.58	0.02	7.04	0.05	9.96	65.0	999	0.23
X967029		3.82	<0.005		0.08	6.65	0.9	1160	0.91	0.11	7.20	0.09	15.90	39.2	162	0.96
X967030		4.06	<0.005		0.08	7.08	0.8	760	0.91	0.09	8.33	0.09	16.65	37.1	157	0.87
X967031		4.12	0.012		0.04	7.28	2.1	670	0.94	0.08	7.45	0.06	18.30	25.6	128	1.12
X967032		3.32	0.531		1.14	7.35	1.2	510	0.90	0.13	8.22	0.05	18.00	21.6	92	0.95
X967033		5.02	<0.005		0.05	6.82	0.8	760	0.93	0.12	7.94	0.06	16.35	38.0	166	0.71
X967034		0.14	0.992		59.0	2.17	1525	200	0.35	25.2	1.98	79.2	12.35	46.4	54	1.00
X967035		3.68	<0.005		0.06	7.27	1.6	590	0.85	0.12	8.93	0.11	13.45	37.6	158	0.59
X967036		3.28	<0.005		0.07	6.84	1.0	510	0.79	0.08	8.92	0.13	13.75	40.6	184	0.62
X967037		4.12	<0.005		0.08	6.90	1.2	600	0.78	0.08	8.53	0.17	12.60	43.2	158	0.58
X967038		5.62	<0.005		0.07	6.91	12.4	510	0.84	0.07	9.23	0.20	13.40	43.1	194	0.58



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Sample Description	Method	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
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units LOD	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	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
X966999		260	7.46	16.05	0.10	0.6	0.069	1.65	7.2	5.1	3.82	1190	1.03	1.78	2.7	38.0
X967000		238	7.40	15.60	0.10	0.6	0.075	1.60	7.0	4.9	4.14	1240	15.35	1.80	2.5	35.7
X967001		409	7.56	17.05	0.10	0.7	0.080	2.13	8.0	6.9	3.74	1060	1.18	1.72	2.6	31.7
X967002		2070	13.30	15.35	0.11	0.5	0.093	3.43	4.5	10.5	3.41	927	2.76	1.41	2.4	43.9
X967003		446	8.80	17.35	0.09	0.6	0.081	2.26	6.6	7.4	3.49	1110	1.76	1.64	3.1	39.7
X967004		750	9.55	15.60	0.09	0.7	0.084	2.23	7.1	5.9	3.31	994	10.15	1.38	2.2	36.6
X967005		267	8.22	14.60	0.10	0.7	0.086	2.06	6.2	6.4	4.58	1110	1.41	1.05	2.9	49.4
X967006		293	8.40	13.95	0.09	0.9	0.067	1.85	9.8	5.7	4.60	1160	1.50	1.51	5.3	46.9
X967007		98.2	4.59	16.05	0.11	0.9	0.053	1.23	8.4	8.4	1.51	964	5.47	2.34	3.1	16.6
X967008		172.5	7.83	15.05	0.10	0.8	0.076	1.49	8.9	4.9	4.93	1220	0.36	1.10	5.3	54.0
X967009		295	9.07	14.25	0.10	0.9	0.102	2.03	9.4	7.4	5.10	1340	1.09	1.27	5.5	55.2
X967010		725	8.50	19.05	0.11	1.0	0.113	2.56	10.4	6.4	3.08	1050	1.01	1.37	7.0	30.5
X967011		194.5	7.75	14.70	0.09	0.7	0.076	1.54	6.4	5.2	4.90	1320	1.43	1.22	2.4	60.7
X967012		361	8.11	14.05	0.08	0.7	0.076	1.76	6.1	5.9	4.38	1180	0.97	1.18	2.6	57.5
X967013		221	7.95	15.10	0.08	0.7	0.086	1.45	6.9	5.2	5.02	1210	0.50	1.14	3.0	61.0
X967014		312	9.28	14.75	0.09	1.1	0.103	1.69	9.1	5.8	4.87	1220	1.00	1.19	5.9	60.5
X967015		190.5	7.95	15.10	0.08	1.1	0.095	1.88	8.3	6.4	4.81	1120	0.70	1.27	4.3	54.0
X967016		204	8.33	14.65	0.10	0.7	0.096	1.98	8.3	6.7	4.94	1140	0.77	1.31	4.2	50.5
X967017		174.0	8.59	14.35	0.09	0.9	0.092	1.69	9.6	5.6	5.13	1100	1.29	1.14	5.4	62.1
X967018		89.7	7.52	14.35	0.08	0.8	0.076	1.53	9.6	5.1	5.08	1280	0.85	1.18	4.8	65.5
X967019		429	8.35	11.45	0.08	0.7	0.082	1.75	7.0	6.1	4.75	1470	1.26	1.13	3.2	50.2
X967020		93.4	7.32	13.30	0.08	0.7	0.064	2.15	8.0	7.2	5.38	1410	0.91	0.90	4.0	65.3
X967021		373	7.58	12.10	0.08	0.7	0.065	1.91	6.5	6.7	4.59	1350	0.67	1.08	2.6	65.1
X967022		149.0	7.62	14.95	0.07	0.6	0.070	1.39	6.3	4.5	4.19	1260	0.63	1.42	2.4	62.3
X967023		119.5	7.55	15.10	0.09	0.7	0.082	1.33	6.6	4.3	4.22	1320	0.52	1.42	2.2	55.9
X967024		212	7.53	16.20	0.10	0.8	0.085	1.50	6.5	4.9	4.51	1260	0.60	1.19	2.8	72.7
X967025		2140	8.46	11.95	0.13	1.4	1.805	0.45	12.3	26.5	2.49	502	11.80	0.09	2.9	31.2
X967026		140.5	7.05	14.05	0.08	0.7	0.071	1.38	5.8	7.3	6.60	1200	0.69	0.95	2.4	313
X967027		106.0	6.54	10.40	0.06	0.8	0.052	0.82	5.3	12.3	9.75	1260	0.82	0.31	1.7	648
X967028		3.7	6.52	7.69	0.06	0.8	0.038	0.55	4.5	11.8	11.15	1380	0.98	0.39	1.4	794
X967029		199.5	7.47	15.90	0.10	0.7	0.080	2.38	6.7	7.6	4.73	1250	0.69	1.12	3.1	75.5
X967030		90.8	7.47	17.15	0.10	0.7	0.075	1.63	6.6	4.9	4.57	1280	1.45	1.36	3.2	73.3
X967031		83.7	7.28	15.70	0.09	0.8	0.100	1.65	7.1	5.4	3.92	1140	1.47	2.04	3.2	61.6
X967032		171.5	8.18	16.70	0.08	0.9	0.081	1.48	7.0	4.5	3.62	1140	2.80	1.79	3.3	40.2
X967033		148.5	7.58	14.95	0.10	1.2	0.082	1.56	6.5	5.0	4.20	1400	1.08	1.49	3.1	72.3
X967034		4430	20.8	8.07	0.34	0.8	3.93	0.46	6.8	12.1	0.94	778	8.74	0.05	1.8	26.7
X967035		102.0	7.52	16.50	0.10	0.7	0.082	1.27	6.0	3.9	4.20	1570	0.84	1.53	2.5	78.6
X967036		146.5	7.62	16.00	0.08	0.8	0.087	1.26	6.0	4.0	4.39	1660	0.78	1.27	2.9	84.9
X967037		198.5	7.58	15.45	0.08	0.7	0.090	1.35	5.6	4.2	4.15	1700	1.14	1.33	2.5	75.3
X967038		129.0	7.38	15.55	0.07	0.7	0.070	1.32	6.0	4.3	4.89	1590	1.08	1.02	2.6	98.3



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CERTIFICATE OF ANALYSIS VA18288863

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	
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
X966999		1460	7.3	43.5	<0.002	1.10	0.92	31.2	2	0.5	826	0.16	0.45	2.42	0.446	0.35
X967000		1450	8.8	48.5	0.032	1.01	0.97	32.0	2	0.7	713	0.16	2.35	0.95	0.437	0.33
X967001		1480	6.2	55.0	0.003	1.30	0.83	30.3	2	0.7	619	0.16	0.79	1.74	0.443	0.36
X967002		1360	7.6	72.2	0.011	4.32	0.67	25.1	7	0.7	154.0	0.15	2.72	0.92	0.409	0.76
X967003		1500	4.9	43.6	0.011	1.74	0.80	26.0	3	0.7	832	0.19	0.36	0.86	0.460	0.33
X967004		1510	5.9	55.4	0.044	2.05	0.97	27.3	3	1.2	1065	0.15	1.20	1.77	0.397	0.41
X967005		1250	6.2	61.4	0.002	1.07	0.91	40.4	2	1.0	533	0.17	0.60	1.46	0.411	0.41
X967006		1730	5.7	59.8	0.002	1.15	0.91	39.9	2	0.8	515	0.31	0.44	1.32	0.458	0.41
X967007		590	6.9	18.5	<0.002	0.01	0.44	16.0	1	1.1	462	0.22	<0.05	2.28	0.303	0.18
X967008		1590	6.6	49.2	<0.002	0.66	0.97	42.1	1	0.6	583	0.30	0.52	2.20	0.460	0.35
X967009		1590	3.9	66.2	0.002	1.25	0.92	43.8	2	0.8	340	0.32	0.80	1.92	0.468	0.45
X967010		1500	6.4	47.0	<0.002	1.67	1.29	26.7	2	1.2	1375	0.44	1.03	1.57	0.493	0.36
X967011		1210	7.7	51.8	<0.002	0.61	0.77	41.9	2	0.8	479	0.15	0.37	1.60	0.427	0.39
X967012		1190	18.0	58.2	<0.002	1.33	0.72	37.2	2	0.7	961	0.16	0.89	1.49	0.405	0.39
X967013		1350	5.9	58.6	<0.002	0.70	0.76	45.6	1	0.6	664	0.17	0.22	0.83	0.433	0.43
X967014		1550	6.4	62.0	<0.002	1.51	0.82	43.0	3	0.7	440	0.34	1.18	1.81	0.449	0.48
X967015		1500	6.8	67.7	<0.002	0.79	0.93	41.4	2	1.1	625	0.26	0.34	1.68	0.439	0.53
X967016		1560	6.8	70.0	<0.002	0.86	0.90	40.7	2	1.0	651	0.25	0.38	1.03	0.459	0.53
X967017		1460	15.7	63.2	0.002	0.86	0.91	42.6	2	0.9	515	0.30	0.60	1.88	0.452	0.46
X967018		1490	10.1	56.6	<0.002	0.38	0.89	41.3	1	0.6	724	0.27	0.11	2.30	0.458	0.40
X967019		1340	6.0	61.7	<0.002	1.46	1.09	38.3	2	0.6	412	0.20	0.51	1.24	0.338	0.43
X967020		1330	7.8	77.2	<0.002	0.39	0.95	41.8	1	0.8	374	0.23	0.41	1.65	0.445	0.55
X967021		1210	3.0	60.0	<0.002	1.08	0.67	34.2	2	0.7	379	0.18	0.95	1.31	0.400	0.40
X967022		1230	3.7	44.0	<0.002	0.66	0.95	33.8	2	0.6	689	0.14	0.18	0.83	0.438	0.39
X967023		1300	2.9	49.7	<0.002	0.49	1.24	36.0	1	0.7	1055	0.13	0.08	1.49	0.430	0.43
X967024		1200	3.0	47.1	<0.002	0.51	0.99	35.9	1	0.6	851	0.18	0.06	1.42	0.461	0.41
X967025		380	1030	16.7	0.017	6.72	43.8	5.9	29	17.2	75.7	0.22	0.27	2.91	0.118	6.23
X967026		1150	2.3	38.7	<0.002	0.30	1.49	30.9	1	0.7	562	0.16	0.05	0.86	0.419	0.31
X967027		970	0.7	21.3	<0.002	0.08	4.49	26.6	1	0.8	150.5	0.11	0.07	0.92	0.356	0.15
X967028		910	<0.5	15.3	<0.002	<0.01	1.60	27.3	1	0.4	62.5	0.10	<0.05	1.10	0.338	0.12
X967029		1280	2.0	69.3	<0.002	0.54	0.94	36.5	1	0.7	528	0.19	0.06	0.86	0.465	0.63
X967030		1320	5.6	54.7	<0.002	0.31	1.46	41.2	1	0.7	911	0.21	0.05	1.23	0.476	0.47
X967031		1670	2.0	61.1	<0.002	0.44	1.17	35.4	1	0.9	642	0.19	0.08	1.63	0.447	0.55
X967032		1840	2.5	56.1	0.002	0.87	1.38	34.1	1	0.9	1595	0.19	0.13	1.33	0.441	0.55
X967033		1290	2.0	54.2	0.002	0.54	1.23	39.2	1	0.8	921	0.18	0.11	1.25	0.453	0.43
X967034		310	4080	16.2	0.017	>10.0	174.5	4.5	119	22.3	78.3	0.14	0.28	1.44	0.080	13.50
X967035		1290	3.3	43.4	0.004	0.38	1.27	38.0	1	0.9	736	0.16	0.11	1.32	0.444	0.38
X967036		1230	2.2	43.6	<0.002	0.37	1.06	39.7	1	0.8	770	0.18	0.06	0.83	0.442	0.40
X967037		1220	2.1	42.9	0.002	0.49	1.29	37.6	1	0.8	761	0.16	0.09	1.18	0.430	0.38
X967038		1220	2.3	45.7	<0.002	0.17	1.54	38.3	<1	0.6	521	0.16	0.07	1.37	0.439	0.38



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62
		U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
X966999		0.4	276	0.8	17.0	69	14.7				
X967000		0.5	274	0.9	15.8	48	13.8				
X967001		0.6	278	1.2	16.9	51	18.6				
X967002		0.6	256	1.5	11.6	88	14.7				
X967003		0.5	277	1.4	15.7	58	11.6				
X967004		0.7	263	1.2	14.9	45	15.0				
X967005		0.4	253	1.1	13.8	46	20.9				
X967006		0.7	280	0.9	14.1	43	21.6				
X967007		0.8	137	2.2	18.9	61	16.1				
X967008		0.5	278	0.8	15.1	44	26.4				
X967009		0.6	274	1.2	15.1	56	24.6				
X967010		0.9	321	1.2	13.8	57	27.7				
X967011		0.5	267	0.8	14.0	49	19.9				
X967012		0.4	252	0.9	13.7	44	23.6				
X967013		0.4	277	0.8	15.0	43	17.8				
X967014		0.5	266	1.0	14.9	47	27.2				
X967015		0.5	267	0.9	14.9	41	19.9				
X967016		0.5	277	0.8	14.5	42	20.5				
X967017		0.7	264	0.8	14.6	41	24.2				
X967018		0.7	268	0.9	14.6	48	22.9				
X967019		0.6	228	0.8	9.9	53	18.6				
X967020		0.6	259	0.9	13.3	51	19.7				
X967021		0.5	238	0.6	11.9	44	18.0				
X967022		0.4	287	0.8	13.8	49	17.1				
X967023		0.4	282	0.7	14.8	45	16.3				
X967024		0.4	287	0.8	14.6	45	19.5				
X967025		2.6	71	1.7	9.9	7160	47.1				
X967026		0.5	247	0.6	13.1	59	24.6				
X967027		0.5	211	0.5	12.2	66	25.6				
X967028		0.5	189	0.4	11.7	73	28.5				
X967029		0.4	287	0.8	14.3	46	20.3				
X967030		0.4	284	0.8	13.7	49	22.8				
X967031		0.6	263	0.8	14.4	41	23.7				
X967032		0.7	293	0.8	13.3	40	23.7				
X967033		0.4	270	0.8	13.4	51	22.1				
X967034		1.9	65	2.8	7.7	>10000	33.6			1.325	
X967035		0.4	280	0.7	13.6	62	20.1				
X967036		0.4	274	0.7	13.0	55	19.3				
X967037		0.4	269	0.7	13.1	58	20.6				
X967038		0.4	268	0.7	13.7	66	18.9				



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21	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	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		0.02	0.005	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
X967039		2.70	<0.005		0.07	6.33	18.8	960	0.82	0.08	8.82	0.08	12.30	44.3	222	0.83
X967040		3.60	<0.005		0.05	7.22	0.2	1030	0.75	0.15	7.85	0.10	14.50	43.0	177	0.57
X967041		2.50	0.005		0.10	7.07	0.7	1050	0.77	0.34	7.39	0.11	13.40	62.9	151	0.55
X967042		1.76	<0.005		0.04	7.33	0.2	730	0.90	0.18	7.78	0.10	14.50	35.5	140	0.67
X967043		1.94	<0.005		0.06	7.42	0.4	760	1.02	0.18	7.96	0.12	16.45	35.4	145	0.65
X967044		3.66	<0.005		0.17	7.49	0.9	1320	1.10	0.27	5.91	0.12	16.80	39.0	113	1.02
X967045		3.94	<0.005		0.14	7.33	0.3	1590	1.23	0.28	6.00	0.10	16.95	39.1	121	0.92
X967046		3.02	0.059		0.12	6.62	0.5	1130	0.98	0.41	7.43	0.12	13.45	35.3	164	0.83
X967047		3.38	0.176		0.46	5.76	0.6	500	0.62	1.39	8.72	0.11	10.90	54.6	127	1.21
X967048		4.08	<0.005		0.17	6.96	<0.2	1490	1.24	0.26	4.86	0.07	18.05	36.7	150	1.08
X967049		4.00	<0.005		0.13	6.68	0.4	1720	1.11	0.17	5.39	0.09	16.95	37.6	145	0.80
X967050		4.30	<0.005		0.22	7.05	0.3	1650	1.11	0.35	5.19	0.07	17.15	40.9	144	0.87
X967051		4.04	0.069		0.25	6.84	0.7	1490	1.04	0.82	6.40	0.10	15.80	39.3	155	0.78
X967052		0.28	<0.005		0.08	7.62	1.4	640	0.73	0.10	4.40	0.08	20.5	13.3	23	0.68
X967053		3.88	<0.005		0.07	6.82	0.3	1160	0.89	0.12	8.32	0.10	17.35	35.6	140	0.48
X967054		3.96	0.009		0.06	6.60	<0.2	2220	0.75	0.16	10.25	0.09	9.51	26.6	91	0.95
X967055		3.02	<0.005		0.06	7.07	3.9	1020	0.82	0.11	8.60	0.10	13.75	40.2	130	0.46
X967056		3.86	0.015		0.05	7.28	8.1	1030	0.89	0.09	8.40	0.09	16.95	39.8	134	0.68
X967057		3.06	0.005		0.21	7.36	1.8	1570	0.90	0.46	6.37	1.95	13.00	49.6	100	1.26
X967058		2.04	0.005		0.29	6.60	<0.2	1260	0.65	0.38	4.22	0.08	10.80	28.1	262	1.38
X967059		0.10	>10.0	13.05	>100	4.42	166.0	580	0.43	1.75	2.12	847	18.90	61.3	48	1.28
X967060		3.74	2.96		4.98	3.27	0.5	250	0.14	12.65	1.56	2.08	4.55	188.0	85	0.05
X967061		2.88	0.018		1.07	7.32	0.3	680	0.43	1.65	2.79	0.21	16.60	59.4	125	0.61
X967062		3.14	0.020		1.06	5.74	0.4	320	0.27	2.79	1.90	0.38	10.35	106.0	186	0.56
X967063		3.96	0.078		0.39	6.44	0.6	940	0.82	0.49	4.75	0.09	12.50	38.7	214	0.95
X967064		4.18	0.140		0.51	6.69	1.0	640	0.48	0.61	3.07	0.06	11.55	61.6	185	0.97
X967065		4.58	0.012		0.30	7.17	<0.2	890	0.65	0.48	3.46	0.05	11.60	44.4	171	1.01
X967066		5.24	0.017		0.19	7.17	0.4	1070	0.75	0.30	4.32	0.06	15.95	36.9	181	0.76
X967067		4.90	0.050		0.11	6.53	1.2	480	0.66	0.14	7.47	0.07	14.45	32.4	124	0.77
X967068		0.14	0.952		57.3	2.17	1435	320	0.34	25.9	1.99	80.2	14.80	43.8	55	1.07
X967069		4.84	0.724		0.18	7.90	0.6	360	0.65	0.24	7.78	0.10	18.75	19.2	36	0.21
X967070		5.00	0.138		0.59	6.08	0.9	620	0.63	1.37	3.49	0.10	13.50	87.1	147	1.15
X967071		4.04	<0.005		0.11	7.32	<0.2	900	0.76	0.17	5.76	0.05	17.40	30.9	142	0.76
X967072		5.24	0.006		0.09	7.12	0.3	970	0.75	0.13	5.70	0.05	16.15	28.0	138	0.63
X967073		4.42	<0.005		0.12	7.18	0.4	880	0.73	0.34	6.72	0.05	18.00	32.2	162	0.74
X967074		3.72	0.011		0.11	7.20	0.5	1110	0.90	0.22	7.35	0.06	15.45	29.7	166	0.70
X967075		3.02	0.006		0.12	6.90	0.7	1060	0.89	0.40	6.15	0.06	16.30	32.7	162	0.65
X967076		4.60	1.350		1.68	5.24	0.9	540	0.28	6.59	2.23	0.39	8.91	123.5	95	0.76
X967077		0.28	<0.005		0.07	7.61	2.0	590	0.73	0.11	4.24	0.08	22.1	13.8	22	0.73
X967078		5.50	0.638		0.29	7.60	0.6	940	0.66	0.56	6.66	0.08	17.70	33.3	54	0.59



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CERTIFICATE OF ANALYSIS VA18288863

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
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	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
X967039		26.2	7.18	15.30	0.10	0.8	0.054	2.24	5.5	7.3	5.70	1620	0.50	0.40	2.7	126.0
X967040		213	7.92	16.65	0.10	1.1	0.074	1.78	6.1	5.1	4.45	1520	0.92	1.44	2.2	61.8
X967041		290	9.30	16.55	0.09	1.1	0.071	1.80	5.9	5.1	4.12	1380	0.74	1.32	2.1	78.1
X967042		156.0	7.55	17.55	0.10	0.8	0.070	1.58	6.5	4.7	4.32	1250	0.89	1.51	3.0	59.2
X967043		157.0	7.70	18.45	0.10	0.9	0.071	1.61	6.4	4.6	4.37	1280	1.05	1.53	3.0	60.4
X967044		588	10.40	18.05	0.10	0.9	0.098	2.52	6.7	7.5	4.18	1400	0.80	1.44	2.8	47.2
X967045		570	10.75	17.70	0.10	1.1	0.127	2.61	6.7	8.0	4.40	1480	1.11	1.18	2.6	47.0
X967046		320	8.82	16.20	0.08	1.0	0.084	1.84	6.1	5.5	4.44	1390	2.02	1.53	2.1	46.3
X967047		533	11.45	13.80	0.10	0.5	0.095	2.52	4.8	5.4	3.95	1340	1.03	1.05	1.6	53.0
X967048		495	10.05	17.15	0.09	0.8	0.104	2.88	7.2	8.9	4.56	1170	1.02	1.33	3.2	46.6
X967049		397	9.41	15.75	0.10	0.8	0.098	2.59	6.6	7.7	4.40	1280	1.15	1.34	3.3	53.7
X967050		421	10.05	16.40	0.08	0.8	0.119	2.69	6.7	8.2	4.26	1390	0.90	1.40	3.1	51.6
X967051		309	9.67	15.40	0.09	0.9	0.135	2.39	6.2	6.9	4.25	1600	0.85	1.33	2.6	48.7
X967052		96.3	4.66	17.30	0.08	0.8	0.053	1.21	6.8	7.6	1.48	974	6.08	2.38	3.0	14.2
X967053		139.0	7.87	16.95	0.07	0.8	0.091	1.55	6.9	4.2	4.32	1350	0.61	1.49	2.8	52.5
X967054		123.0	7.62	14.20	0.09	0.6	0.059	2.68	4.4	5.8	4.42	1360	0.61	1.27	1.2	34.5
X967055		150.0	7.89	17.00	0.10	0.7	0.089	1.82	6.1	5.3	4.38	1520	0.74	1.21	2.3	51.7
X967056		108.0	7.78	17.15	0.09	0.7	0.090	1.71	6.9	4.8	4.51	1510	1.23	1.30	2.8	51.2
X967057		495	10.00	16.00	0.10	0.9	0.094	2.90	5.8	8.8	4.28	1490	9.38	1.45	2.4	51.1
X967058		587	9.50	15.35	0.09	0.7	0.174	2.54	4.7	8.5	5.22	1390	0.54	2.11	1.3	71.3
X967059		>10000	9.31	16.70	0.11	0.4	3.12	0.81	8.1	5.6	0.81	1670	163.0	1.07	1.9	18.7
X967060		10000	33.3	4.26	0.11	0.3	1.065	0.32	1.9	0.4	1.22	345	1.86	2.37	0.9	138.5
X967061		2250	18.45	20.0	0.12	0.6	0.253	1.61	6.5	12.6	5.70	1760	0.48	0.69	2.5	52.6
X967062		2730	27.9	16.20	0.20	0.7	0.122	1.09	4.6	10.4	5.10	1460	0.52	0.48	2.2	129.5
X967063		1025	11.45	17.30	0.09	0.6	0.114	2.87	5.7	9.7	5.48	1420	0.47	0.79	2.5	61.5
X967064		1525	14.80	14.85	0.09	0.6	0.112	1.98	5.1	7.4	4.75	1220	1.05	2.02	2.5	67.5
X967065		738	13.05	16.80	0.08	0.6	0.070	2.55	5.1	8.6	4.80	1260	0.60	1.65	2.9	57.3
X967066		569	10.60	15.55	0.11	0.9	0.094	2.09	7.1	8.9	4.66	1240	0.53	1.82	3.4	57.2
X967067		236	8.59	14.90	0.12	0.9	0.106	1.63	6.6	6.5	4.95	1330	1.03	1.50	2.0	39.1
X967068		4620	20.9	7.94	0.40	0.9	3.84	0.46	7.7	13.3	0.94	783	8.40	0.05	2.1	26.4
X967069		352	8.10	19.05	0.11	0.9	0.104	0.70	8.2	3.1	3.03	947	1.03	2.01	2.2	19.0
X967070		1790	16.45	13.00	0.11	0.6	0.131	2.14	5.9	7.7	3.96	1200	0.86	1.49	2.8	91.7
X967071		363	8.63	16.20	0.12	0.8	0.141	2.04	7.5	8.0	4.41	1620	0.78	1.64	3.4	51.8
X967072		307	8.10	15.25	0.12	0.7	0.152	1.95	7.1	7.5	4.22	1680	0.60	1.59	3.2	50.9
X967073		302	8.72	16.85	0.12	0.9	0.113	1.95	8.0	8.1	4.93	1600	0.76	1.12	3.3	57.2
X967074		289	7.67	16.15	0.10	1.2	0.086	2.14	6.9	8.3	4.66	1470	0.51	1.18	3.0	59.8
X967075		253	7.89	14.85	0.11	1.1	0.113	2.07	7.1	8.2	4.64	1800	0.64	1.41	3.2	58.3
X967076		4040	26.2	12.40	0.15	0.4	0.346	1.60	3.5	6.8	2.78	907	1.49	1.43	2.1	62.8
X967077		101.5	4.49	16.55	0.14	1.0	0.054	1.20	8.6	8.4	1.47	941	5.56	2.35	3.4	13.9
X967078		682	8.78	17.90	0.11	1.1	0.189	1.65	7.9	6.2	3.34	1530	0.36	1.95	2.5	21.7



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Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units LOD	ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
X967039		1230	2.4	63.0	0.002	0.03	2.15	36.2	<1	0.6	453	0.17	0.05	0.70	0.440	0.61
X967040		1290	2.5	48.9	<0.002	0.84	1.12	42.2	1	0.7	980	0.14	0.11	1.11	0.508	0.40
X967041		1260	2.7	51.1	<0.002	2.07	1.04	39.0	1	0.8	677	0.14	0.36	1.13	0.472	0.38
X967042		1410	2.8	54.2	<0.002	0.64	1.23	38.0	1	0.6	456	0.18	0.16	0.86	0.467	0.44
X967043		1450	3.1	48.1	0.003	0.65	1.20	36.4	1	0.7	486	0.18	0.15	1.18	0.471	0.46
X967044		1510	2.9	83.8	<0.002	2.43	1.61	37.2	2	0.9	305	0.17	0.30	1.18	0.469	0.65
X967045		1530	2.4	82.8	<0.002	2.44	1.92	40.0	2	0.8	285	0.16	0.35	0.88	0.456	0.61
X967046		1290	2.6	59.2	<0.002	1.57	1.44	39.7	1	0.7	424	0.14	0.57	1.01	0.440	0.48
X967047		1140	3.5	81.7	<0.002	3.31	1.29	35.3	3	0.7	276	0.10	2.14	0.89	0.351	0.75
X967048		1510	1.8	84.5	0.002	2.37	1.77	40.0	2	0.7	259	0.21	0.28	0.94	0.454	0.75
X967049		1450	2.0	68.5	<0.002	1.94	1.73	38.1	2	0.7	324	0.20	0.17	1.05	0.445	0.56
X967050		1500	1.9	77.1	0.002	2.42	1.59	36.0	1	0.8	339	0.19	0.49	1.14	0.437	0.62
X967051		1480	2.4	69.1	<0.002	2.10	1.25	36.1	1	0.9	494	0.17	1.21	0.88	0.433	0.58
X967052		600	7.0	12.8	<0.002	0.02	0.46	15.2	<1	1.2	489	0.21	<0.05	1.80	0.307	0.19
X967053		1520	2.6	41.1	<0.002	0.82	1.65	35.3	1	0.9	1280	0.18	0.12	1.19	0.443	0.32
X967054		1390	2.1	69.5	<0.002	0.64	0.69	38.3	1	0.5	502	0.08	0.20	1.15	0.358	0.63
X967055		1460	2.5	42.1	<0.002	0.61	1.30	36.4	1	0.7	1125	0.14	0.11	0.88	0.433	0.31
X967056		1570	2.8	47.7	<0.002	0.46	1.28	35.6	2	0.7	1090	0.17	0.07	1.20	0.444	0.42
X967057		1500	2.5	89.4	0.003	2.25	1.00	31.3	1	0.7	384	0.16	0.55	1.16	0.421	0.85
X967058		1190	1.5	79.1	<0.002	1.82	1.35	51.4	1	0.5	114.5	0.09	0.28	0.83	0.411	0.76
X967059		570	>10000	24.2	0.058	>10.0	192.0	10.6	10	19.5	217	0.13	0.55	1.54	0.176	7.29
X967060		560	15.3	4.4	<0.002	>10.0	1.13	13.2	12	0.4	63.8	0.06	14.20	0.62	0.177	0.07
X967061		1640	3.8	36.7	<0.002	5.29	0.87	38.9	4	1.0	139.5	0.17	1.65	0.99	0.491	0.38
X967062		1010	5.7	34.3	<0.002	9.14	0.86	29.3	10	0.6	56.5	0.15	3.19	0.62	0.341	0.32
X967063		1220	2.6	78.8	0.002	3.21	1.92	38.4	3	0.8	125.5	0.17	0.45	0.88	0.418	0.65
X967064		1270	2.8	44.9	0.002	4.32	1.26	34.6	3	0.6	136.0	0.17	0.65	0.72	0.410	0.64
X967065		1310	2.3	50.2	0.003	3.71	1.09	33.3	2	0.6	142.0	0.18	0.58	0.66	0.430	0.75
X967066		1370	2.2	48.8	<0.002	2.44	1.39	32.0	1	0.7	268	0.21	0.25	1.01	0.434	0.52
X967067		1580	1.7	48.9	<0.002	0.81	1.05	37.9	1	0.7	495	0.12	0.15	1.21	0.397	0.48
X967068		320	4110	19.1	0.017	>10.0	172.0	4.5	117	19.1	81.5	0.15	0.26	1.56	0.081	13.65
X967069		2140	3.4	16.1	<0.002	1.29	2.03	26.3	1	1.0	3630	0.13	0.33	1.56	0.389	0.15
X967070		1120	2.9	49.3	<0.002	5.37	1.13	26.4	2	0.7	189.5	0.17	1.53	0.72	0.355	0.69
X967071		1310	1.6	57.9	<0.002	1.37	1.34	31.1	1	0.8	412	0.21	0.14	1.11	0.433	0.55
X967072		1300	1.6	50.5	<0.002	1.17	1.24	30.1	1	0.8	404	0.20	0.15	0.91	0.416	0.44
X967073		1310	2.4	54.1	0.002	1.04	1.53	32.3	1	0.9	422	0.21	0.38	1.09	0.425	0.50
X967074		1240	2.6	55.9	<0.002	0.85	1.51	29.9	1	0.8	626	0.19	0.21	1.04	0.402	0.49
X967075		1280	2.1	56.2	<0.002	0.84	1.40	32.0	<1	0.8	419	0.20	0.40	0.90	0.413	0.48
X967076		1020	7.5	34.9	<0.002	>10.0	1.00	21.9	9	0.3	193.5	0.13	7.01	0.69	0.308	0.50
X967077		570	7.1	17.3	<0.002	0.02	0.42	15.3	<1	1.2	469	0.23	<0.05	2.16	0.288	0.17
X967078		1780	3.1	40.6	<0.002	1.69	1.60	30.7	1	1.0	1825	0.17	0.48	1.46	0.484	0.39



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		U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
X967039		0.4	273	0.9	12.4	66	22.4				
X967040		0.4	304	0.8	18.4	54	29.8				
X967041		0.4	288	0.8	18.1	49	27.2				
X967042		0.4	282	1.0	13.9	49	23.1				
X967043		0.4	289	1.1	14.2	50	19.4				
X967044		0.4	290	1.4	14.8	57	26.1				
X967045		0.4	288	1.4	14.9	53	31.7				
X967046		0.4	280	1.1	14.8	47	31.9				
X967047		0.4	232	0.8	11.8	45	14.6				
X967048		0.5	293	1.5	14.1	50	23.9				
X967049		0.4	274	1.5	13.7	49	23.9				
X967050		0.5	274	1.4	13.9	50	30.3				
X967051		0.6	267	1.4	13.2	60	23.0				
X967052		0.8	140	1.3	18.1	62	16.1				
X967053		0.5	276	1.3	14.5	44	23.3				
X967054		0.4	265	1.1	10.4	48	13.5				
X967055		0.5	278	0.9	13.7	45	23.3				
X967056		0.4	280	0.9	13.9	46	19.1				
X967057		0.5	260	1.2	13.2	150	19.0				
X967058		0.4	273	1.2	12.6	94	27.8				
X967059		1.9	123	7.7	11.2	>10000	12.2	127	2.79	2.39	14.90
X967060		0.3	93	0.6	6.3	131	7.9		1.010		
X967061		0.6	324	1.9	14.0	115	17.2				
X967062		0.3	218	1.4	10.0	84	11.6				
X967063		0.4	277	2.0	12.6	47	17.4				
X967064		0.3	260	1.6	11.2	50	13.0				
X967065		0.4	268	1.7	11.8	47	14.6				
X967066		0.4	268	1.6	13.9	42	21.4				
X967067		0.6	282	1.1	13.4	44	22.1				
X967068		2.0	65	3.1	7.9	>10000	33.0				1.390
X967069		0.8	294	1.1	15.0	36	25.4				
X967070		0.3	225	1.1	11.6	61	14.8				
X967071		0.4	269	1.3	14.8	54	19.8				
X967072		0.4	255	1.2	13.6	57	27.7				
X967073		0.4	267	1.2	14.6	61	21.1				
X967074		0.4	257	1.0	13.6	62	25.1				
X967075		0.4	262	1.1	14.0	101	37.4				
X967076		0.4	202	0.9	9.7	108	11.2				
X967077		0.9	132	1.4	18.4	59	18.4				
X967078		0.6	327	1.2	16.0	69	28.3				



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21	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	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
X967079		2.96	0.079		0.24	6.81	1.2	750	0.53	0.88	4.89	0.14	18.25	38.0	136	0.75
X967080		6.02	0.138		0.19	8.09	0.2	1010	0.72	0.50	4.25	0.06	21.1	31.8	15	1.19
X967081		4.06	5.70		1.21	5.73	0.5	380	0.43	1.37	3.90	0.11	16.80	76.6	107	1.43
X967082		4.80	<0.005		0.12	6.91	0.2	740	0.80	0.15	7.33	0.09	16.15	34.6	178	0.69
X967083		5.10	0.014		0.16	6.87	2.4	550	0.73	0.13	7.43	0.12	15.75	41.2	189	0.72
X967084		5.14	0.027		0.21	6.77	8.2	610	0.76	0.07	8.15	0.17	15.80	41.5	184	0.52
X967085		2.44	0.005		0.11	6.60	11.9	540	0.75	0.05	8.58	0.10	14.55	41.3	217	0.50
X967086		2.24	0.007		0.13	6.62	12.3	600	0.72	0.06	8.42	0.11	16.00	43.4	216	0.52
X967087		5.08	<0.005		0.20	6.23	13.0	530	0.74	0.05	8.61	0.14	13.95	47.7	245	0.56
X967088		5.16	<0.005		0.22	6.60	9.1	590	0.75	0.05	8.62	0.18	15.30	47.6	231	0.53
X967089		4.98	<0.005		0.17	6.88	7.4	710	0.85	0.04	8.08	0.11	16.60	41.1	193	0.59
X967090		5.76	0.005		0.15	7.06	8.0	670	0.83	0.04	8.31	0.10	16.45	39.6	182	0.57
X967091		6.42	<0.005		0.11	7.14	3.8	640	0.83	0.05	7.98	0.09	16.95	36.0	170	0.71
X967092		3.60	0.026		0.07	9.01	0.5	600	0.70	0.10	6.77	0.06	19.55	30.5	6	0.64
X967093		5.72	0.006		0.10	6.94	2.7	600	0.88	0.05	7.71	0.08	15.45	37.1	160	0.79
X967094		4.84	0.008		0.10	7.15	1.8	650	0.80	0.05	8.04	0.10	16.25	35.8	142	0.73
X967095		0.14	0.282		18.30	3.21	247	290	0.47	10.35	2.21	46.2	22.6	16.7	48	0.96
X967096		5.28	<0.005		0.10	6.98	0.7	730	0.84	0.08	8.00	0.10	16.75	40.6	178	0.80
X967097		5.18	0.008		0.06	7.44	1.8	560	0.74	0.06	8.11	0.14	17.70	36.6	138	0.75
X967098		5.14	<0.005		0.04	7.18	0.4	580	0.81	0.10	7.95	0.16	17.35	38.0	167	0.84
X967099		4.86	<0.005		0.06	7.13	0.3	440	0.82	0.13	8.10	0.12	17.60	39.2	166	0.71
X967100		5.20	<0.005		0.08	7.15	0.5	550	0.69	0.34	7.81	0.14	16.90	35.1	171	0.79
X967101		2.90	0.045		0.22	7.10	0.5	490	0.58	0.29	8.36	0.22	14.55	49.8	55	0.89
X967102		2.80	0.008		0.09	6.35	0.5	520	0.70	0.16	8.88	0.16	11.30	24.6	89	0.55
X967103		3.12	<0.005		0.06	7.50	0.5	540	0.77	0.11	7.45	0.16	18.05	35.3	152	0.86
X967104		0.14	0.973		54.9	2.25	1470	240	0.33	23.9	2.02	75.9	13.35	44.8	56	1.05
X967105		4.42	<0.005		0.17	7.56	0.5	610	0.74	0.36	7.31	0.66	16.50	31.7	147	0.85
X967106		3.64	<0.005		0.12	6.54	0.3	490	0.79	0.27	7.16	0.44	14.55	32.9	145	0.67
X967107		3.62	0.333		0.10	6.96	<0.2	500	0.70	0.21	7.71	0.07	16.05	29.4	97	1.08
X967108		2.90	0.223		0.07	6.67	0.4	420	0.53	0.17	9.12	0.09	12.95	37.2	37	1.08
X967109		3.34	0.043		0.06	7.20	0.2	380	0.66	0.18	8.62	0.08	15.55	38.5	67	0.69
X967110		3.74	<0.005		0.06	5.78	10.6	560	0.73	0.07	9.37	0.13	12.85	42.9	328	0.70
X967111		5.18	<0.005		0.11	5.98	10.1	540	0.79	0.05	10.20	0.35	13.70	45.7	295	0.58
X967112		5.20	<0.005		0.08	5.87	7.1	450	0.83	0.06	10.30	0.21	14.10	43.4	312	0.56
X967113		0.30	<0.005		0.07	7.99	1.2	600	0.69	0.10	4.32	0.09	22.1	13.4	22	0.73
X967114		5.78	<0.005		0.14	5.76	8.3	580	0.86	0.06	9.57	0.38	14.10	44.5	306	0.60
X967115		5.42	<0.005		0.05	5.27	8.2	500	0.68	0.05	9.76	0.17	12.30	43.5	344	0.60
X967116		5.24	<0.005		0.12	5.53	7.2	600	0.75	0.11	9.35	0.41	12.35	42.7	326	0.69
X967117		5.08	<0.005		0.08	5.85	8.5	580	0.73	0.04	9.73	0.30	13.65	45.8	314	0.69
X967118		5.50	<0.005		0.07	5.64	4.4	480	0.71	0.07	9.65	0.25	13.35	44.9	305	0.64



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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
		Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.2	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
X967079		602	10.25	14.35	0.11	0.9	0.140	2.46	8.0	6.5	4.01	1600	0.66	2.03	3.8	40.2
X967080		622	9.25	19.60	0.13	0.9	0.083	2.58	9.4	10.1	3.26	1460	0.25	2.31	9.2	20.4
X967081		1720	16.90	12.55	0.13	0.6	0.143	1.82	7.7	6.7	3.59	1420	0.88	2.16	4.1	44.7
X967082		232	8.13	15.80	0.11	0.9	0.119	1.63	7.4	7.1	4.82	1700	0.49	1.39	3.2	61.9
X967083		299	8.11	14.75	0.09	0.8	0.080	1.49	6.8	6.4	4.89	1500	0.50	1.44	3.0	63.1
X967084		213	7.51	14.95	0.10	0.7	0.061	1.24	6.9	5.7	4.95	1550	0.52	1.25	3.2	66.6
X967085		115.0	7.56	14.30	0.09	0.7	0.047	1.14	6.5	5.2	5.44	1580	0.40	1.07	2.9	68.8
X967086		133.5	7.69	14.15	0.09	0.7	0.055	1.24	6.9	5.8	5.51	1580	0.46	1.15	3.1	72.2
X967087		197.5	7.77	13.60	0.09	0.8	0.049	1.22	6.2	5.8	5.66	1580	0.47	0.96	2.7	86.8
X967088		309	7.68	14.35	0.10	0.7	0.054	1.21	6.7	5.4	5.18	1500	0.47	1.21	2.6	86.9
X967089		222	7.48	14.75	0.09	0.7	0.054	1.40	7.4	6.3	5.05	1470	0.71	1.27	3.1	69.4
X967090		192.0	7.63	15.10	0.10	0.8	0.058	1.37	7.4	5.9	5.00	1500	0.55	1.38	3.1	64.6
X967091		151.5	7.62	15.30	0.10	0.8	0.066	1.54	7.4	6.5	4.75	1570	0.64	1.43	3.3	60.8
X967092		236	6.50	17.70	0.14	0.8	0.064	1.38	8.7	5.8	2.33	1160	0.68	2.91	2.2	10.4
X967093		172.5	7.36	14.95	0.10	0.7	0.084	1.50	6.7	6.1	4.46	1560	0.76	1.55	3.3	54.9
X967094		179.0	7.04	15.75	0.11	0.7	0.074	1.49	7.1	6.4	4.40	1440	0.92	1.55	3.3	53.2
X967095		2180	8.43	12.50	0.16	1.4	1.805	0.44	11.7	27.3	2.49	505	12.60	0.10	3.2	30.4
X967096		212	7.64	15.25	0.11	0.7	0.078	1.69	7.4	7.2	4.79	1540	0.87	1.29	3.1	61.3
X967097		155.5	7.03	16.15	0.10	0.9	0.066	1.43	7.7	6.1	4.24	1440	0.93	1.67	3.3	51.4
X967098		145.0	7.44	15.45	0.11	0.7	0.066	1.62	7.6	6.9	4.46	1460	0.89	1.45	3.2	60.6
X967099		215	7.70	15.00	0.09	0.8	0.074	1.41	7.8	5.9	4.44	1400	1.03	1.71	3.3	56.2
X967100		187.5	8.01	15.15	0.10	0.8	0.079	1.72	7.3	7.0	4.36	1660	0.94	1.49	3.2	58.4
X967101		617	10.40	17.75	0.10	0.9	0.114	1.68	6.1	7.0	4.60	1800	0.48	0.89	1.7	53.5
X967102		142.5	6.77	14.45	0.09	0.6	0.089	1.30	5.1	7.1	3.82	1670	1.42	1.33	1.6	34.1
X967103		165.0	8.60	15.45	0.10	0.8	0.084	1.83	8.3	7.8	4.54	1750	0.92	1.61	3.2	60.9
X967104		4580	21.4	7.78	0.33	0.9	3.80	0.48	7.3	12.0	0.96	800	7.99	0.05	2.1	26.8
X967105		201	8.13	15.85	0.05	1.1	0.085	1.89	7.3	7.3	4.42	1670	0.87	1.75	3.5	55.1
X967106		160.5	7.17	12.00	0.05	0.7	0.076	1.41	6.6	5.7	4.34	1560	0.81	2.43	2.2	45.9
X967107		147.5	8.64	13.85	<0.05	0.8	0.092	2.02	7.3	9.4	4.90	1500	0.88	1.75	2.2	47.7
X967108		173.5	8.02	12.50	<0.05	0.7	0.079	1.93	5.7	8.7	4.16	1320	0.58	1.81	1.6	36.0
X967109		171.5	8.50	17.60	<0.05	0.9	0.092	1.32	6.7	5.4	4.32	1360	0.63	1.35	1.9	51.1
X967110		66.7	7.58	12.85	<0.05	0.7	0.056	1.60	5.7	7.1	6.27	1480	0.44	0.66	2.2	102.0
X967111		170.0	7.73	13.95	<0.05	0.7	0.056	1.35	6.0	6.9	6.32	1500	0.57	0.73	2.2	102.5
X967112		103.5	7.71	13.95	<0.05	0.8	0.065	1.20	6.2	6.6	6.41	1600	0.60	0.72	2.4	102.0
X967113		96.9	4.62	16.05	0.06	1.0	0.051	1.23	8.6	7.9	1.50	960	5.71	2.42	3.3	13.8
X967114		178.0	7.65	13.10	<0.05	0.7	0.053	1.43	6.1	7.6	6.51	1600	0.61	0.75	2.4	96.6
X967115		64.6	7.66	11.90	<0.05	0.7	0.054	1.35	5.3	7.6	7.20	1500	0.57	0.50	2.0	112.0
X967116		114.0	7.83	12.30	<0.05	0.7	0.053	1.56	5.5	8.1	6.88	1560	0.32	0.63	2.0	110.5
X967117		113.5	7.91	13.10	<0.05	0.7	0.055	1.55	6.0	7.9	6.66	1560	0.42	0.74	2.3	108.5
X967118		94.8	7.64	13.15	<0.05	0.8	0.056	1.41	5.9	7.4	6.42	1480	0.61	0.62	2.2	107.5



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		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
X967079		1380	2.8	60.3	<0.002	2.34	1.03	32.5	1	0.9	450	0.23	0.69	1.16	0.391	0.49
X967080		1600	3.1	47.0	<0.002	1.76	0.99	21.6	1	1.0	847	0.56	0.30	1.35	0.531	0.82
X967081		1160	3.8	67.5	<0.002	5.74	0.89	26.4	2	0.7	206	0.26	1.13	1.07	0.336	0.73
X967082		1240	2.4	46.6	<0.002	0.64	1.68	33.6	<1	0.7	632	0.19	0.14	0.87	0.412	0.46
X967083		1220	2.2	40.9	0.003	0.57	1.50	35.0	1	0.6	790	0.20	0.08	0.87	0.426	0.43
X967084		1210	2.1	31.3	<0.002	0.16	1.37	33.6	1	0.8	819	0.20	0.06	0.83	0.409	0.30
X967085		1180	1.7	30.6	<0.002	0.07	1.49	36.2	<1	0.7	1190	0.18	0.05	0.83	0.402	0.30
X967086		1200	1.7	31.6	<0.002	0.08	1.46	37.8	<1	0.8	751	0.19	<0.05	0.86	0.419	0.30
X967087		1140	1.5	33.2	<0.002	0.12	1.47	39.0	<1	0.6	843	0.16	0.05	0.77	0.409	0.33
X967088		1260	1.6	32.2	<0.002	0.24	1.49	35.8	<1	0.5	646	0.16	0.05	0.83	0.404	0.28
X967089		1250	1.2	36.4	<0.002	0.15	1.48	33.5	1	0.7	564	0.19	0.06	0.88	0.414	0.34
X967090		1290	1.3	31.8	0.002	0.09	1.44	33.4	<1	0.7	743	0.20	0.06	0.88	0.429	0.30
X967091		1340	1.4	37.4	<0.002	0.14	1.35	32.1	<1	0.6	853	0.21	0.05	0.93	0.427	0.39
X967092		1960	2.6	27.4	<0.002	0.84	1.06	18.1	1	0.6	1520	0.13	0.09	1.67	0.406	0.37
X967093		1270	2.0	38.7	<0.002	0.26	1.13	30.6	1	0.8	710	0.21	<0.05	0.85	0.416	0.45
X967094		1330	2.3	38.1	0.002	0.23	1.14	29.4	<1	0.6	801	0.21	0.06	0.86	0.417	0.41
X967095		390	1030	17.7	0.013	6.69	44.7	5.7	32	18.1	74.9	0.22	0.33	2.65	0.117	6.29
X967096		1240	3.5	45.7	<0.002	0.54	1.35	33.0	1	0.8	830	0.19	0.06	0.87	0.418	0.48
X967097		1330	4.6	43.3	<0.002	0.40	1.13	29.9	1	0.7	803	0.20	0.06	0.96	0.422	0.45
X967098		1310	4.7	49.9	<0.002	0.57	1.15	31.6	1	0.6	684	0.20	0.07	0.90	0.428	0.50
X967099		1350	4.2	44.0	<0.002	0.72	1.04	32.3	1	0.7	504	0.20	0.07	0.97	0.434	0.40
X967100		1290	5.5	49.5	0.002	0.74	1.66	32.3	1	0.7	760	0.20	0.85	0.91	0.429	0.48
X967101		1380	5.6	53.4	<0.002	1.64	1.36	53.1	1	0.9	985	0.11	0.40	0.96	0.563	0.49
X967102		1390	5.5	36.7	<0.002	0.61	1.34	36.6	1	0.7	1335	0.11	0.21	0.97	0.323	0.34
X967103		1420	5.2	56.2	<0.002	0.71	1.02	31.9	1	0.7	522	0.21	0.06	0.99	0.450	0.50
X967104		330	4120	18.0	0.017	>10.0	168.5	4.5	119	18.1	81.2	0.15	0.24	1.50	0.082	12.70
X967105		1340	32.2	56.8	0.002	0.80	1.60	30.0	1	0.9	1055	0.23	0.27	0.96	0.438	0.50
X967106		1220	10.4	41.3	0.002	0.77	1.28	33.6	1	0.7	1360	0.14	0.35	0.96	0.365	0.37
X967107		1420	3.3	62.2	<0.002	0.63	0.71	41.5	1	0.8	312	0.15	0.23	1.04	0.465	0.58
X967108		1350	2.8	61.7	<0.002	0.75	0.62	39.4	1	0.9	352	0.10	0.12	0.98	0.443	0.61
X967109		1400	4.5	38.3	<0.002	0.84	0.88	49.4	1	0.8	742	0.11	0.06	0.99	0.523	0.39
X967110		1090	3.2	43.5	<0.002	0.05	1.92	42.5	<1	0.6	446	0.14	0.07	0.72	0.400	0.42
X967111		1180	6.8	35.4	<0.002	0.13	1.73	43.0	1	0.5	559	0.14	<0.05	0.76	0.400	0.35
X967112		1120	7.2	32.6	<0.002	0.17	1.84	43.8	1	0.7	661	0.15	0.09	0.83	0.400	0.32
X967113		600	7.1	17.3	<0.002	0.01	0.44	15.4	<1	1.1	488	0.22	<0.05	2.15	0.298	0.17
X967114		1090	10.9	37.0	<0.002	0.10	1.62	43.1	<1	0.8	528	0.14	0.06	0.75	0.392	0.35
X967115		980	8.4	36.1	0.002	0.03	1.44	45.6	<1	0.5	375	0.13	0.05	0.67	0.372	0.33
X967116		1040	30.7	41.1	0.002	0.09	1.47	44.2	1	0.5	424	0.13	0.18	0.68	0.389	0.41
X967117		1150	7.5	39.9	<0.002	0.15	1.51	43.0	<1	0.5	494	0.15	0.08	0.73	0.411	0.41
X967118		1070	11.2	38.6	0.002	0.17	1.56	42.5	<1	0.5	494	0.13	0.07	0.71	0.390	0.37



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62
		U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
X967079		0.5	251	1.2	13.6	101	26.5				
X967080		0.6	335	1.6	12.5	68	23.3				
X967081		0.4	218	1.1	11.0	79	14.6				
X967082		0.4	266	1.0	14.5	78	22.9				
X967083		0.4	267	0.7	13.4	68	18.0				
X967084		0.4	260	0.5	13.3	76	20.6				
X967085		0.4	260	0.4	12.8	81	16.5				
X967086		0.4	265	0.5	13.5	83	25.8				
X967087		0.4	262	0.4	12.7	83	17.1				
X967088		0.4	264	0.4	13.7	73	18.5				
X967089		0.4	263	0.5	13.6	70	18.7				
X967090		0.5	267	0.5	14.2	64	22.7				
X967091		0.5	269	0.5	14.3	62	19.3				
X967092		0.8	257	0.5	15.9	38	18.9				
X967093		0.4	258	0.6	13.5	57	18.0				
X967094		0.4	265	0.5	14.3	53	16.8				
X967095		2.5	71	1.9	10.3	7190	47.1				
X967096		0.4	266	0.6	14.0	65	19.5				
X967097		0.4	264	0.5	14.8	54	18.1				
X967098		0.4	264	0.6	14.2	58	17.8				
X967099		0.4	272	0.7	14.6	56	28.3				
X967100		0.4	271	0.8	14.2	74	21.4				
X967101		0.5	400	1.1	14.9	82	26.9				
X967102		0.4	253	1.1	11.1	63	14.0				
X967103		0.5	278	0.8	14.5	87	44.1				
X967104		2.0	66	4.4	8.0	>10000	32.3				1.400
X967105		0.5	275	1.1	13.9	106	20.5				
X967106		0.5	224	1.0	11.4	76	15.9				
X967107		0.5	321	0.9	14.1	74	20.8				
X967108		0.5	310	0.9	13.4	54	16.4				
X967109		0.5	364	0.6	15.7	53	20.9				
X967110		0.4	256	0.5	12.7	65	18.2				
X967111		0.4	265	0.4	12.4	74	20.0				
X967112		0.4	246	0.5	12.6	76	22.9				
X967113		0.9	137	1.7	17.8	61	18.0				
X967114		0.4	250	0.4	12.2	91	19.7				
X967115		0.3	234	0.3	10.7	74	18.4				
X967116		0.3	253	0.3	12.0	91	16.7				
X967117		0.4	264	0.4	12.2	81	18.5				
X967118		0.3	251	0.4	12.0	72	19.1				



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21	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	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
X967119		5.16	<0.005		0.08	5.95	5.9	640	0.73	0.09	8.88	0.39	14.40	41.7	300	0.76
X967120		4.92	<0.005		0.14	5.76	15.2	560	0.68	0.04	8.65	0.36	13.65	47.4	293	0.83
X967121		2.14	<0.005		0.07	6.18	6.2	730	0.77	0.06	9.35	0.38	14.15	45.0	287	0.86
X967122		2.08	0.027		0.09	6.12	3.8	740	0.79	0.12	8.81	0.68	14.55	40.1	253	0.83
X967123		4.28	<0.005		0.07	5.93	7.8	660	0.80	0.06	8.93	0.31	12.65	43.1	286	0.74
X967124		3.98	<0.005		0.10	5.83	1.2	570	0.74	0.30	9.33	0.14	13.25	47.6	279	0.79
X967125		4.62	0.006		0.18	6.10	<0.2	650	0.71	1.01	9.43	0.10	13.60	48.2	272	0.87
X967126		4.66	0.011		0.39	6.79	4.7	700	0.76	1.04	8.27	0.19	15.25	50.2	165	1.01
X967127		4.62	0.008		0.13	6.84	0.4	530	0.74	0.27	8.30	0.08	16.80	54.5	65	0.75
X967128		3.36	0.063		0.07	5.58	7.7	610	0.77	0.12	9.43	0.15	14.30	39.8	279	0.85
X967129		3.30	0.193		0.13	5.93	1.9	560	0.75	0.25	8.61	0.14	14.65	44.8	268	1.20
X967130		4.52	0.013		0.06	8.31	<0.2	300	0.63	0.12	8.96	0.09	15.60	30.6	80	0.55
X967131		0.14	0.289		17.15	3.24	248	260	0.49	10.25	2.14	44.2	21.7	17.1	45	0.95
X967132		4.12	<0.005		0.06	8.13	0.7	320	0.63	0.10	7.42	0.11	15.25	31.1	84	0.90
X967133		4.94	<0.005		0.05	6.26	0.9	680	0.73	0.07	8.35	0.10	13.65	46.9	250	1.10
X967134		5.16	<0.005		0.07	5.77	0.4	540	0.82	0.09	9.07	0.18	13.95	49.7	292	0.82
X967135		5.20	<0.005		0.07	5.74	18.5	440	0.74	0.05	9.86	0.11	14.15	46.5	345	1.01
X967136		5.04	<0.005		0.05	6.00	19.6	550	0.83	0.07	8.97	0.09	14.50	40.8	246	1.07
X967137		5.14	<0.005		0.08	6.11	25.0	580	0.84	0.04	9.04	0.09	14.35	47.9	266	1.01
X967138		5.14	<0.005		0.10	6.71	19.7	550	0.76	0.05	8.21	0.12	14.25	38.6	214	1.02
X967139		4.92	<0.005		0.08	7.11	12.3	560	0.78	0.07	8.26	0.12	14.80	40.1	156	0.80
X967140		0.14	0.957		58.0	2.26	1530	240	0.37	23.9	2.09	81.2	12.75	45.6	58	1.03
X967141		4.98	<0.005		0.14	7.19	15.7	470	0.78	0.08	8.35	0.20	15.10	42.6	167	0.96
X967142		5.08	0.016		0.10	7.29	15.9	450	0.85	0.05	9.03	0.12	15.85	43.6	174	0.96
X967143		5.32	<0.005		0.11	7.29	11.6	370	0.77	0.04	8.82	0.24	15.55	34.3	152	0.88
X967144		4.94	<0.005		0.06	7.27	6.6	440	0.86	0.05	8.48	0.17	14.35	32.1	152	0.87
X967145		3.78	<0.005		0.07	7.10	6.6	520	0.77	0.08	8.01	0.63	14.25	40.3	158	1.03
X967146		5.96	<0.005		0.13	5.79	18.4	810	0.96	0.29	7.77	0.10	11.90	59.8	372	1.31
X967147		3.24	<0.005		0.10	6.38	6.2	820	0.73	0.14	8.44	0.15	13.00	41.5	238	0.88
X967148		4.38	0.005		0.04	6.48	21.0	640	0.73	0.05	8.11	0.14	13.20	44.1	232	0.92
X967149		0.28	<0.005		0.09	7.66	2.2	590	0.64	0.10	4.24	0.10	21.4	13.3	23	0.66
X967150		5.06	<0.005		0.08	6.60	20.9	530	0.76	0.04	8.65	0.13	14.00	39.6	250	0.86
X967151		2.48	<0.005		0.17	6.43	28.3	690	0.81	0.04	8.90	0.28	13.10	40.5	262	0.87
X967152		5.22	<0.005		0.08	6.77	19.5	710	0.81	0.04	8.97	0.12	14.50	42.6	164	0.97
X967153		5.36	<0.005		0.06	6.62	23.5	560	0.80	0.05	8.42	0.17	13.25	44.0	189	1.09
X967154		2.64	<0.005		0.04	7.01	28.4	730	0.85	0.06	9.05	0.16	14.95	38.6	161	1.05
X967155		4.80	<0.005		0.11	7.01	18.2	660	0.80	0.21	8.84	0.25	14.95	41.9	177	1.04
X967156		5.16	<0.005		0.03	6.87	17.1	460	0.75	0.10	9.18	0.12	15.00	39.4	174	0.86
X967157		2.34	<0.005		0.04	6.96	21.1	760	0.71	0.08	7.83	0.09	14.75	33.6	173	0.98
X967158		2.44	<0.005		0.06	7.33	21.9	780	0.70	0.09	7.99	0.08	15.55	37.3	161	0.98



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Sample Description	Method	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
	Analyte Units LOD	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
		0.2	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
X967119		95.3	7.88	13.55	<0.05	0.7	0.061	1.78	6.3	9.0	6.42	1600	0.24	0.68	2.3	100.0
X967120		142.0	7.81	12.70	<0.05	0.7	0.056	1.74	5.8	8.6	6.24	1600	0.34	0.81	2.3	98.2
X967121		141.0	8.45	13.90	<0.05	0.8	0.057	1.98	6.3	9.9	6.42	1680	0.72	0.79	2.3	105.5
X967122		99.8	8.09	13.75	<0.05	0.8	0.069	1.92	6.5	9.6	6.18	1610	0.70	0.82	2.4	94.4
X967123		100.5	7.80	13.05	<0.05	0.8	0.059	1.81	5.6	9.1	6.28	1580	0.37	0.76	2.2	104.0
X967124		142.5	8.08	12.95	<0.05	0.8	0.065	1.75	5.9	8.7	6.07	1500	1.13	0.72	2.3	95.2
X967125		208	8.43	13.45	<0.05	0.8	0.068	1.98	6.1	10.1	5.86	1420	1.35	0.87	2.3	97.1
X967126		251	8.18	14.00	<0.05	0.8	0.082	2.14	7.1	11.8	5.10	1380	1.65	1.35	1.5	91.7
X967127		346	8.93	13.95	0.05	0.8	0.105	1.64	7.9	8.3	4.93	1380	0.78	1.67	1.3	38.6
X967128		101.5	7.41	12.35	<0.05	0.7	0.080	1.77	6.3	9.5	5.83	1400	0.42	1.11	2.3	90.9
X967129		173.0	8.41	13.20	<0.05	0.7	0.072	2.13	6.7	10.5	6.02	1490	0.76	1.01	2.0	92.5
X967130		127.5	6.99	19.20	<0.05	1.1	0.054	0.89	7.0	3.1	3.26	1180	0.11	2.22	1.9	35.7
X967131		2060	8.42	12.10	0.09	1.4	1.760	0.44	11.8	24.9	2.45	479	12.20	0.10	3.1	30.4
X967132		120.0	6.82	16.90	<0.05	1.1	0.055	1.07	6.9	4.0	3.36	1180	0.10	2.65	1.9	36.5
X967133		171.5	7.83	13.50	<0.05	0.7	0.067	2.10	6.1	10.9	5.82	1320	0.91	1.08	2.2	83.7
X967134		275	7.72	13.50	<0.05	0.9	0.073	1.61	6.2	8.6	5.85	1330	1.25	0.79	2.3	101.5
X967135		113.0	7.82	13.55	<0.05	0.7	0.057	1.63	6.2	9.1	6.61	1440	1.05	0.58	2.2	136.5
X967136		111.0	7.77	13.55	<0.05	0.7	0.058	1.75	6.7	10.2	6.03	1380	0.98	0.84	2.2	88.9
X967137		104.0	7.61	13.55	<0.05	0.7	0.056	1.64	6.3	9.6	6.14	1380	1.07	0.93	2.5	94.8
X967138		138.5	7.30	15.25	0.08	0.7	0.059	1.68	6.7	11.0	5.53	1270	0.84	1.07	2.8	72.9
X967139		153.5	7.15	16.05	0.08	0.7	0.065	1.45	7.0	8.7	4.63	1300	0.57	1.41	3.2	57.0
X967140		4640	21.6	8.21	0.35	0.9	3.94	0.48	7.4	13.2	0.99	818	8.60	0.05	2.0	27.1
X967141		182.5	7.27	15.60	0.07	0.7	0.067	1.48	7.1	8.4	4.66	1350	0.73	1.59	3.1	60.3
X967142		161.0	7.72	15.90	0.06	0.7	0.064	1.47	7.5	8.5	4.76	1540	1.03	1.49	3.2	61.0
X967143		160.0	7.27	15.50	0.07	0.7	0.076	1.35	7.3	7.4	4.50	1510	0.74	1.54	3.2	54.2
X967144		112.5	7.15	15.50	0.07	0.7	0.076	1.48	6.7	8.3	4.60	1520	1.34	1.61	3.0	60.7
X967145		164.0	7.35	15.05	0.07	0.7	0.089	1.72	6.7	9.6	4.64	1420	0.69	1.65	2.8	55.6
X967146		252	8.66	13.60	0.07	0.6	0.077	2.25	5.5	15.0	6.39	1440	2.33	0.92	2.0	163.5
X967147		134.0	6.91	14.05	0.05	0.7	0.062	1.96	6.0	11.7	5.41	1300	0.72	1.21	2.2	82.4
X967148		113.0	7.09	14.15	0.06	0.7	0.060	1.74	6.3	11.6	5.62	1270	1.22	1.23	2.3	81.2
X967149		92.5	4.53	16.10	0.08	0.8	0.050	1.19	8.3	7.6	1.46	943	5.77	2.29	3.1	13.7
X967150		128.0	7.23	14.60	0.06	0.7	0.055	1.56	6.6	9.2	5.65	1290	0.80	1.26	2.4	78.2
X967151		186.0	7.24	14.45	0.06	0.7	0.061	1.71	6.1	10.6	5.92	1360	0.65	1.00	2.5	89.8
X967152		154.0	7.45	14.90	0.08	0.6	0.068	1.80	7.0	10.7	4.89	1420	0.65	1.39	2.3	56.5
X967153		157.5	7.60	13.90	0.07	0.6	0.056	1.76	6.2	10.2	5.30	1440	0.75	1.36	2.3	66.5
X967154		73.1	7.45	15.80	0.07	0.6	0.053	1.81	7.2	10.6	5.26	1460	0.65	1.27	2.6	62.8
X967155		176.0	7.43	15.15	0.07	0.7	0.062	1.75	7.1	9.9	4.70	1480	1.73	1.44	3.1	63.0
X967156		135.5	7.34	14.70	0.06	0.7	0.081	1.40	7.2	7.9	4.64	1520	1.51	1.36	3.0	62.6
X967157		127.5	6.86	15.10	0.08	0.6	0.061	1.85	6.9	11.1	4.79	1270	1.42	1.42	3.2	59.2
X967158		149.5	7.03	15.85	0.07	0.7	0.061	1.88	7.2	11.0	4.73	1260	1.47	1.63	3.1	59.8



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CERTIFICATE OF ANALYSIS VA18288863

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	
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		10	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
X967119		1120	17.8	46.6	<0.002	0.19	1.57	40.9	<1	0.7	458	0.14	0.11	0.74	0.405	0.46
X967120		1120	9.2	47.7	<0.002	0.11	1.36	41.2	1	0.7	414	0.14	0.07	0.74	0.398	0.48
X967121		1200	7.5	52.7	<0.002	0.34	1.43	42.5	<1	0.8	441	0.14	0.20	0.80	0.411	0.53
X967122		1230	33.1	49.8	0.002	0.24	1.41	40.0	1	0.9	444	0.15	0.25	0.80	0.406	0.49
X967123		1180	11.1	46.8	<0.002	0.25	1.56	39.4	1	0.7	410	0.14	0.11	0.71	0.399	0.45
X967124		1120	4.5	49.4	0.002	0.68	1.33	40.8	1	0.6	362	0.14	0.72	0.73	0.400	0.51
X967125		1210	4.1	55.8	<0.002	1.12	1.18	38.5	1	0.6	535	0.14	1.73	0.79	0.399	0.56
X967126		1690	3.8	59.4	<0.002	1.22	1.10	39.8	1	0.6	696	0.09	1.90	1.41	0.348	0.56
X967127		1660	2.9	47.1	<0.002	1.43	1.03	42.6	1	0.7	417	0.08	0.47	1.38	0.356	0.44
X967128		1070	2.0	50.7	0.002	0.40	1.48	39.3	1	0.6	475	0.14	0.29	0.72	0.375	0.47
X967129		1260	3.2	64.2	<0.002	0.79	1.33	42.4	1	0.7	687	0.12	0.68	0.85	0.382	0.62
X967130		1410	5.5	19.3	<0.002	0.50	1.95	25.4	<1	0.9	4360	0.12	0.29	1.15	0.437	0.25
X967131		390	1005	17.6	0.019	6.56	43.9	5.7	31	17.7	75.2	0.24	0.31	2.75	0.113	6.25
X967132		1390	5.3	28.7	<0.002	0.55	1.50	26.5	1	0.7	2140	0.12	0.10	1.13	0.439	0.34
X967133		1250	2.3	62.0	<0.002	0.66	1.20	40.5	1	0.7	324	0.13	0.07	0.88	0.406	0.59
X967134		1130	2.3	45.8	<0.002	0.77	1.38	40.2	1	0.6	576	0.14	0.13	0.73	0.391	0.43
X967135		1130	2.5	49.8	<0.002	0.28	1.31	42.5	1	0.5	381	0.13	0.07	0.78	0.392	0.48
X967136		1210	2.3	50.8	<0.002	0.39	1.34	41.1	1	0.6	395	0.13	0.07	0.84	0.378	0.51
X967137		1170	1.8	45.1	<0.002	0.15	1.31	39.2	1	0.5	424	0.16	0.05	0.80	0.391	0.45
X967138		1210	2.3	51.8	<0.002	0.08	1.18	40.2	1	0.8	1015	0.18	0.05	0.86	0.418	0.54
X967139		1340	2.7	38.7	<0.002	0.33	1.11	32.8	<1	0.9	839	0.21	0.05	0.97	0.430	0.41
X967140		340	4270	17.6	0.016	>10.0	180.5	4.7	110	19.8	80.0	0.15	0.24	1.54	0.084	13.80
X967141		1350	4.5	44.5	<0.002	0.31	1.13	33.9	1	0.8	826	0.18	0.05	0.94	0.429	0.48
X967142		1430	2.8	44.6	<0.002	0.32	1.30	35.8	1	0.7	1160	0.20	0.06	1.02	0.452	0.51
X967143		1380	6.0	40.5	<0.002	0.25	1.12	30.8	<1	0.6	1070	0.21	0.05	1.03	0.430	0.46
X967144		1370	4.7	43.0	<0.002	0.36	1.11	31.6	1	0.6	1075	0.20	<0.05	0.96	0.427	0.47
X967145		1340	4.8	50.5	<0.002	0.79	1.00	31.5	1	0.8	649	0.18	0.16	0.91	0.427	0.51
X967146		1190	3.5	69.1	<0.002	1.19	1.73	38.4	1	0.6	183.5	0.11	0.68	0.78	0.358	0.67
X967147		1270	27.1	51.5	<0.002	0.71	1.01	35.9	1	0.6	350	0.14	0.25	0.78	0.400	0.47
X967148		1260	3.7	49.3	<0.002	0.49	1.25	37.4	<1	0.7	382	0.14	0.08	0.83	0.379	0.49
X967149		590	7.0	16.0	<0.002	0.01	0.46	15.5	<1	1.1	475	0.21	<0.05	2.57	0.295	0.18
X967150		1240	4.3	43.5	<0.002	0.29	1.20	39.1	1	0.5	432	0.16	<0.05	0.82	0.413	0.46
X967151		1200	4.3	47.0	<0.002	0.10	1.55	40.1	<1	0.5	472	0.16	0.05	0.82	0.407	0.49
X967152		1390	5.6	48.3	<0.002	0.59	1.17	37.6	1	0.7	674	0.15	0.10	0.98	0.407	0.48
X967153		1160	4.1	49.4	<0.002	0.42	0.99	40.9	1	0.5	532	0.14	<0.05	0.75	0.422	0.48
X967154		1240	4.9	49.2	<0.002	0.27	1.09	35.8	1	0.6	531	0.16	0.06	0.83	0.432	0.50
X967155		1280	20.1	49.4	<0.002	0.74	1.25	35.5	1	0.7	635	0.20	0.16	0.90	0.429	0.50
X967156		1250	4.8	40.0	<0.002	0.66	1.36	34.4	1	0.8	888	0.19	<0.05	0.93	0.421	0.40
X967157		1280	3.2	48.6	0.002	0.47	1.18	34.1	1	0.6	675	0.20	0.05	0.89	0.423	0.44
X967158		1350	3.5	45.1	<0.002	0.54	1.17	33.3	1	0.5	772	0.20	0.06	0.96	0.429	0.48



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CERTIFICATE OF ANALYSIS VA18288863

Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62
		U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
X967119		0.3	263	0.4	12.4	107	20.5				
X967120		0.3	254	0.4	12.1	83	22.3				
X967121		0.4	274	0.5	12.7	91	21.3				
X967122		0.4	267	0.5	12.7	98	21.5				
X967123		0.4	259	0.5	12.0	85	19.7				
X967124		0.4	261	0.6	12.3	60	25.7				
X967125		0.4	260	0.9	12.6	52	24.0				
X967126		0.7	275	1.1	12.1	48	20.1				
X967127		0.7	283	0.8	12.3	60	21.7				
X967128		0.3	238	0.7	12.2	70	31.5				
X967129		0.4	263	0.8	12.1	63	17.6				
X967130		0.6	267	0.5	15.6	57	34.2				
X967131		2.7	70	3.4	10.8	6940	46.5				
X967132		0.6	260	0.4	15.6	75	43.3				
X967133		0.4	265	0.7	12.8	54	19.0				
X967134		0.4	249	0.5	12.5	56	19.7				
X967135		0.4	254	0.4	12.5	56	18.3				
X967136		0.4	252	0.6	12.1	59	19.1				
X967137		0.4	255	0.3	12.6	69	19.2				
X967138		0.4	264	0.4	13.3	60	15.4				
X967139		0.4	267	0.4	13.5	64	28.2				
X967140		2.0	68	2.7	8.1	>10000	31.0			1.395	
X967141		0.4	269	0.4	13.9	65	15.7				
X967142		0.5	280	0.5	14.2	64	15.1				
X967143		0.5	269	0.4	13.6	65	14.5				
X967144		0.4	263	0.5	13.0	59	18.4				
X967145		0.4	263	0.5	12.9	92	18.9				
X967146		0.4	232	0.7	11.8	80	17.5				
X967147		0.4	252	0.6	13.0	59	18.4				
X967148		0.4	238	0.6	12.5	55	20.0				
X967149		0.9	136	1.4	17.1	61	15.2				
X967150		0.4	256	0.4	13.1	52	15.8				
X967151		0.4	255	0.4	12.8	61	16.9				
X967152		0.5	280	0.8	12.9	55	16.5				
X967153		0.3	275	0.4	12.8	58	23.6				
X967154		0.4	278	0.4	13.8	62	15.2				
X967155		0.4	269	0.5	13.4	78	16.2				
X967156		0.4	262	0.5	13.3	58	16.4				
X967157		0.4	265	0.5	13.2	51	14.0				
X967158		0.5	273	0.5	13.7	51	16.0				



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Sample Description	Method Analyte Units LOD	WEI-21	Au-AA23	Au-GRA21	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	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
X967159		4.66	<0.005		0.11	7.12	27.9	870	0.66	0.10	7.81	0.14	15.15	42.9	186	1.12
X967160		3.90	<0.005		0.06	7.13	16.8	790	0.69	0.13	7.52	0.05	15.50	37.8	147	0.62
X967161		4.10	<0.005		0.09	7.52	21.9	800	0.78	0.08	7.47	0.09	15.75	40.1	151	0.85
X967162		2.86	<0.005		0.13	7.06	41.3	770	0.69	0.07	7.47	0.12	13.25	44.7	168	0.83
X967163		3.74	<0.005		0.15	7.25	22.9	680	0.71	0.05	7.39	0.15	15.75	41.8	130	0.83
X967164		3.34	<0.005		0.14	7.30	25.7	610	0.75	0.05	7.73	0.08	15.70	45.9	156	0.84
X967165		4.72	<0.005		0.09	6.93	22.9	690	0.71	0.04	8.58	0.09	13.90	42.1	194	0.71
X967166		4.24	<0.005		0.12	6.28	15.7	680	0.66	0.04	8.86	0.11	11.75	38.3	304	0.68
X967167		0.14	0.291		17.85	3.28	267	150	0.42	10.05	2.20	46.7	21.7	16.4	50	0.91
X967168		4.02	<0.005		0.06	5.98	24.5	670	0.72	0.05	8.64	0.08	11.10	42.2	268	0.65
X967169		3.90	<0.005		0.07	6.41	16.3	620	0.72	0.06	8.98	0.07	13.10	40.4	230	0.64
X967170		3.60	<0.005		0.03	6.59	23.6	810	0.78	0.04	7.67	0.05	14.75	41.5	273	0.97
X967171		4.42	<0.005		0.12	7.31	8.6	660	0.69	0.05	7.38	0.09	16.60	42.1	167	0.96
X967172		4.04	0.005		0.10	6.80	6.2	570	0.67	0.06	7.26	0.08	14.95	39.5	164	0.73
X967173		4.86	0.006		0.13	7.27	14.6	470	0.85	0.07	8.06	0.11	15.20	41.1	149	0.70
X967174		4.00	<0.005		0.12	7.13	7.8	690	0.99	0.05	7.04	0.09	16.15	38.9	160	0.79
X967175		3.34	<0.005		0.06	7.11	13.4	730	1.02	0.04	7.18	0.06	15.85	39.0	171	0.93
X967176		0.14	0.950		58.3	2.26	1550	200	0.40	24.4	1.96	81.7	13.35	46.4	58	1.03
X967177		3.34	<0.005		0.09	6.64	20.3	640	1.05	0.05	8.22	0.09	15.45	41.4	204	0.89
X967178		4.10	<0.005		0.13	6.85	16.1	620	1.01	0.05	7.80	0.09	15.70	42.7	180	0.83
X967179		3.40	<0.005		0.11	6.21	10.1	370	0.49	0.04	9.65	0.09	12.80	40.8	207	1.24
X967180		4.24	<0.005		0.05	6.27	13.2	650	0.97	0.04	8.08	0.06	14.10	39.7	225	1.08
X967181		3.82	<0.005		0.05	6.49	7.7	670	0.90	0.04	7.91	0.05	13.45	39.1	191	1.00
X967182		3.66	<0.005		0.06	6.88	19.2	570	1.00	0.04	8.34	0.06	17.20	45.7	216	0.93
X967183		4.02	<0.005		0.14	6.82	16.7	590	0.98	0.05	7.92	0.10	15.75	40.9	196	1.00
X967184		3.90	<0.005		0.10	9.27	0.3	490	0.75	0.10	6.34	0.06	18.25	31.1	11	0.41
X967185		0.28	<0.005		0.07	8.03	1.6	610	0.78	0.09	4.25	0.10	22.3	13.4	22	0.71
X967186		3.26	<0.005		0.05	6.90	13.0	640	1.06	0.06	7.87	0.07	15.90	38.9	218	1.35
X967187		5.10	<0.005		0.13	7.59	10.8	740	1.07	0.07	6.98	0.10	20.2	49.6	141	0.97
X967188		4.92	<0.005		0.09	7.69	13.3	570	1.06	0.05	7.65	0.10	18.80	39.6	146	1.02
X967189		3.98	0.015		0.07	8.15	5.9	730	1.14	0.06	7.37	0.11	21.0	43.9	115	1.00
X967190		4.26	<0.005		0.09	7.85	7.9	640	1.25	0.05	7.31	0.22	19.75	38.6	115	1.00
X967191		4.40	<0.005		0.10	8.50	4.5	490	1.08	0.11	7.34	0.08	20.2	31.9	28	0.84
X967192		2.04	0.016		0.06	6.97	26.0	530	1.00	0.07	8.24	0.09	15.15	38.7	211	0.89
X967193		1.94	1.350		0.08	8.51	7.1	260	0.91	0.09	8.56	0.04	19.15	27.7	21	0.43
X967194		2.00	0.008		0.06	8.91	7.3	300	0.90	0.08	8.89	0.06	18.85	28.5	21	0.49
X967195		4.96	<0.005		0.03	6.81	18.7	490	0.82	0.06	8.06	0.06	14.25	36.0	202	0.83
X967196		4.74	<0.005		0.05	6.93	16.8	460	1.00	0.07	9.15	0.10	14.70	35.7	206	0.74
X967197		3.64	<0.005		0.13	7.85	1.0	640	0.83	0.21	7.49	0.14	18.75	34.5	80	1.08
X967198		3.48	<0.005		0.08	8.61	1.7	970	1.06	0.19	7.16	0.09	23.1	29.7	50	1.05



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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	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
X967159		183.5	7.47	15.25	0.07	0.6	0.066	2.17	7.1	13.4	5.13	1330	0.87	1.48	3.0	66.5
X967160		169.5	7.23	16.20	0.07	0.7	0.086	1.81	7.4	10.1	4.51	1290	1.23	1.66	2.7	60.6
X967161		182.0	7.62	17.20	0.08	0.8	0.061	1.96	7.4	11.2	4.86	1250	0.96	1.64	3.2	58.6
X967162		228	7.46	16.45	0.08	0.7	0.070	2.00	6.2	13.6	5.10	1290	0.72	1.23	2.4	85.7
X967163		214	7.28	16.65	0.07	0.7	0.065	1.76	7.5	10.7	4.46	1140	0.89	1.68	3.2	52.0
X967164		199.5	7.10	16.10	0.05	0.7	0.053	1.67	7.4	9.7	4.44	1140	1.26	1.72	3.2	57.1
X967165		127.0	7.03	16.30	0.06	0.7	0.053	1.57	6.3	12.0	5.07	1220	1.11	1.33	2.2	90.3
X967166		190.5	7.16	12.65	0.05	0.7	0.054	1.54	5.3	11.6	5.43	1350	0.90	1.32	1.8	81.1
X967167		2120	8.57	12.40	0.12	1.3	1.790	0.44	11.0	24.5	2.54	505	12.80	0.09	2.9	30.7
X967168		104.5	6.90	11.35	<0.05	0.8	0.058	1.55	5.0	10.3	5.39	1300	1.03	1.43	1.8	80.2
X967169		127.5	7.00	15.25	0.07	0.8	0.061	1.40	5.9	9.1	5.26	1240	0.68	1.32	2.0	76.1
X967170		49.7	7.03	13.70	0.05	0.7	0.056	1.99	6.9	15.3	5.98	1120	0.35	1.16	2.9	138.0
X967171		186.5	7.63	16.40	0.07	0.8	0.056	1.86	7.6	12.5	4.87	1180	0.88	1.60	3.2	64.0
X967172		156.0	7.21	15.50	0.06	0.8	0.067	1.56	7.0	9.6	4.54	1250	1.60	1.67	3.0	56.8
X967173		182.5	7.25	16.85	0.06	0.9	0.048	1.37	7.2	8.3	4.47	1290	0.72	1.69	3.2	55.1
X967174		166.5	7.34	13.60	0.07	0.9	0.056	1.65	7.0	13.1	4.90	1370	0.88	1.93	2.7	59.3
X967175		76.9	7.46	13.75	0.05	0.7	0.047	1.89	6.9	13.6	5.13	1380	0.73	1.75	2.8	57.9
X967176		4710	21.3	7.33	0.31	0.7	3.85	0.47	6.8	14.1	0.97	819	7.53	0.05	2.1	27.5
X967177		111.5	7.41	13.40	<0.05	0.7	0.060	1.67	6.7	12.8	5.53	1450	0.48	1.57	2.5	69.5
X967178		164.0	7.47	13.80	<0.05	0.8	0.057	1.57	6.7	11.3	5.28	1370	0.54	1.61	2.5	62.0
X967179		183.5	6.85	8.77	<0.05	0.9	0.039	1.86	5.5	15.5	4.71	1320	0.72	1.89	1.8	69.4
X967180		80.6	7.39	11.90	0.05	0.8	0.053	1.84	6.1	13.9	5.70	1420	0.96	1.31	2.1	74.9
X967181		87.9	7.68	12.45	<0.05	0.8	0.058	1.86	5.8	13.4	5.69	1420	0.38	1.27	2.0	64.1
X967182		64.8	7.97	14.20	<0.05	0.7	0.054	1.55	7.4	12.2	6.10	1500	0.50	1.19	2.4	77.2
X967183		130.5	7.64	14.05	0.05	0.6	0.060	1.69	7.0	12.4	5.61	1440	0.71	1.08	2.5	68.8
X967184		210	5.35	17.00	0.07	0.7	0.047	1.06	8.8	6.7	1.87	804	0.73	3.81	2.8	8.6
X967185		102.5	4.65	15.25	0.08	0.9	0.052	1.22	8.9	8.8	1.53	1000	5.70	2.33	3.1	14.0
X967186		73.7	8.25	14.30	0.05	0.7	0.063	2.12	6.9	14.9	6.28	1660	0.56	0.99	2.5	79.4
X967187		256	7.72	14.30	0.05	1.0	0.067	1.81	8.8	12.2	4.56	1400	0.70	1.94	3.9	49.1
X967188		147.5	7.53	15.10	0.06	0.8	0.055	1.64	8.3	10.7	4.54	1420	0.67	1.77	4.0	47.7
X967189		230	7.98	16.25	0.06	0.7	0.064	1.76	9.3	11.9	4.19	1480	0.84	2.05	4.9	43.6
X967190		204	7.80	15.50	0.06	0.8	0.071	1.59	8.7	11.0	4.14	1620	0.72	2.12	4.3	42.6
X967191		183.0	6.22	16.20	0.06	0.7	0.060	1.22	9.0	8.4	2.73	1220	0.71	3.36	3.8	18.2
X967192		106.5	7.56	11.60	0.05	0.7	0.068	1.32	6.6	9.7	5.11	1400	0.58	1.87	2.5	66.5
X967193		131.0	6.93	18.25	0.07	0.8	0.100	0.73	8.4	5.3	2.79	1140	0.62	2.16	1.8	15.3
X967194		133.0	7.15	19.05	0.06	0.8	0.096	0.82	8.5	5.8	2.85	1170	0.68	2.40	1.8	15.5
X967195		87.7	7.24	13.65	<0.05	0.6	0.079	1.38	6.3	9.1	4.78	1320	0.70	1.47	2.5	64.5
X967196		81.5	7.54	14.20	<0.05	0.7	0.094	1.31	6.5	8.2	5.04	1510	1.10	1.31	2.5	66.9
X967197		246	7.75	14.35	<0.05	0.8	0.097	2.00	8.8	12.7	3.92	1460	1.62	1.80	2.9	27.0
X967198		146.5	6.82	15.75	0.07	0.7	0.093	2.19	11.1	13.8	3.57	1640	1.12	2.03	2.7	26.7



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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	
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm 10	ppm 0.5	ppm 0.1	ppm 0.002	% 0.01	ppm 0.05	ppm 0.1	ppm 1	ppm 0.2	ppm 0.2	ppm 0.05	ppm 0.05	ppm 0.01	% 0.005	ppm 0.02
X967159		1250	4.0	57.7	<0.002	0.64	1.18	35.9	1	0.5	944	0.18	0.08	0.90	0.437	0.54
X967160		1400	2.9	38.2	<0.002	0.77	1.34	29.9	1	0.8	970	0.16	0.08	1.13	0.427	0.35
X967161		1460	2.7	46.6	<0.002	0.52	1.25	34.0	1	0.6	629	0.18	0.07	1.00	0.448	0.46
X967162		1480	2.2	44.4	<0.002	0.27	1.16	37.9	<1	0.7	994	0.15	0.07	1.07	0.418	0.43
X967163		1420	2.6	38.6	<0.002	0.24	1.16	30.4	<1	0.7	974	0.19	<0.05	0.92	0.438	0.44
X967164		1310	2.6	43.7	<0.002	0.27	1.04	32.2	1	0.7	506	0.21	<0.05	1.00	0.433	0.44
X967165		1190	1.8	39.8	<0.002	0.12	0.96	35.2	<1	0.7	634	0.15	<0.05	0.92	0.430	0.39
X967166		1080	1.1	37.1	<0.002	0.11	0.93	39.2	1	0.5	344	0.12	<0.05	0.73	0.432	0.33
X967167		390	1060	16.8	0.015	6.80	44.3	5.9	29	18.4	71.6	0.23	0.29	2.61	0.116	6.58
X967168		1010	1.2	37.1	<0.002	0.15	0.86	37.3	<1	0.4	326	0.11	<0.05	0.69	0.416	0.35
X967169		1130	1.8	36.4	<0.002	0.19	0.98	39.1	1	0.6	524	0.13	<0.05	0.82	0.445	0.34
X967170		1300	1.0	53.8	<0.002	0.02	1.03	33.6	1	0.5	282	0.18	<0.05	1.00	0.412	0.48
X967171		1390	1.7	52.0	<0.002	0.24	1.12	34.1	<1	0.7	401	0.20	0.05	1.06	0.445	0.49
X967172		1350	2.4	41.3	<0.002	0.28	1.14	32.0	<1	0.7	731	0.18	<0.05	0.97	0.415	0.41
X967173		1370	3.0	36.2	<0.002	0.19	1.34	30.9	<1	0.7	1285	0.20	0.06	0.96	0.438	0.38
X967174		1410	3.3	45.1	<0.002	0.22	1.20	33.6	1	0.5	428	0.17	<0.05	0.97	0.436	0.39
X967175		1480	1.8	51.2	<0.002	0.13	0.98	34.8	1	0.5	416	0.18	<0.05	0.96	0.443	0.46
X967176		340	4260	18.5	0.014	>10.0	179.5	4.6	111	17.1	80.4	0.14	0.25	1.41	0.082	12.95
X967177		1270	1.7	47.0	<0.002	0.04	1.08	36.9	<1	0.5	469	0.17	<0.05	0.94	0.424	0.41
X967178		1420	2.0	42.7	<0.002	0.16	1.12	34.7	<1	0.6	543	0.16	<0.05	0.95	0.431	0.36
X967179		1230	0.9	58.8	<0.002	0.19	0.66	36.4	1	0.5	341	0.13	<0.05	0.83	0.389	0.54
X967180		1240	1.3	51.4	<0.002	0.07	1.07	38.2	<1	0.6	472	0.14	<0.05	0.88	0.412	0.49
X967181		1410	1.6	52.9	<0.002	0.26	1.05	40.6	1	0.5	532	0.13	0.06	1.00	0.422	0.45
X967182		1380	1.8	47.2	<0.002	0.01	1.24	44.1	<1	0.5	590	0.14	<0.05	0.97	0.451	0.38
X967183		1380	1.5	48.9	<0.002	0.06	1.17	37.8	<1	0.5	841	0.15	<0.05	0.97	0.427	0.43
X967184		2290	2.6	18.7	<0.002	0.96	1.13	9.1	1	0.5	1850	0.18	0.09	1.94	0.336	0.22
X967185		600	7.8	19.1	<0.002	0.01	0.45	16.4	1	1.1	489	0.21	<0.05	2.28	0.308	0.18
X967186		1330	1.7	63.1	<0.002	0.08	1.37	41.8	1	0.6	572	0.15	0.05	0.93	0.447	0.56
X967187		1670	1.9	50.4	0.002	0.64	1.07	31.6	1	0.7	623	0.25	0.09	1.12	0.452	0.43
X967188		1680	2.4	47.5	<0.002	0.31	0.98	32.0	<1	0.7	825	0.24	0.05	1.10	0.461	0.44
X967189		1790	3.4	43.3	<0.002	0.69	1.29	29.8	1	0.8	1065	0.30	0.10	1.19	0.487	0.39
X967190		1750	5.4	45.2	<0.002	0.50	1.70	28.6	1	0.8	911	0.27	0.11	1.22	0.461	0.33
X967191		1790	2.9	30.8	<0.002	0.90	1.73	23.5	1	0.8	1235	0.28	0.12	1.76	0.394	0.27
X967192		1430	2.4	37.8	<0.002	0.25	1.46	35.9	1	0.5	970	0.17	0.10	0.87	0.442	0.29
X967193		1880	3.6	13.1	<0.002	0.48	1.94	26.1	1	0.7	2140	0.11	0.08	1.58	0.407	0.17
X967194		2000	3.5	13.5	<0.002	0.49	1.90	25.9	1	0.7	2290	0.11	0.09	1.60	0.432	0.17
X967195		1330	2.8	43.8	<0.002	0.28	1.36	34.2	1	0.6	829	0.16	0.06	0.84	0.414	0.33
X967196		1330	3.3	40.6	<0.002	0.27	1.77	35.6	1	0.6	955	0.15	0.08	0.84	0.425	0.31
X967197		2070	4.1	56.1	<0.002	0.97	1.25	29.0	1	0.7	820	0.17	0.34	1.62	0.377	0.46
X967198		2270	3.3	66.5	<0.002	0.71	1.41	24.0	1	0.9	719	0.16	0.25	1.85	0.408	0.47



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Sample Description	Method Analyte Units LOD	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Pb-OG62	Zn-OG62
		U	V	W	Y	Zn	Zr	Ag	Cu	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	1	0.1	0.1	2	0.5	1	0.001	0.001	0.001
X967159		0.4	272	0.5	13.7	62	12.9				
X967160		0.5	268	0.6	14.1	52	18.8				
X967161		0.5	288	0.5	14.1	56	18.5				
X967162		0.5	288	1.1	13.0	57	15.0				
X967163		0.5	279	0.5	13.7	57	19.6				
X967164		0.5	270	0.4	13.5	53	18.5				
X967165		0.4	274	0.4	15.0	53	18.4				
X967166		0.3	264	0.4	13.9	52	20.8				
X967167		2.4	74	1.8	9.6	7310	43.8				
X967168		0.3	255	0.4	13.3	49	19.6				
X967169		0.4	274	0.4	15.5	45	27.9				
X967170		0.5	257	0.5	13.0	49	15.0				
X967171		0.5	279	0.5	14.0	53	19.1				
X967172		0.5	262	0.4	13.2	59	19.1				
X967173		0.5	270	0.4	13.5	62	18.2				
X967174		0.5	273	0.3	14.7	69	20.8				
X967175		0.5	284	0.3	13.9	70	18.7				
X967176		1.8	68	2.8	7.9	>10000	30.5				1.340
X967177		0.4	272	0.3	14.0	68	20.5				
X967178		0.5	283	0.3	14.0	63	22.9				
X967179		0.4	228	0.3	11.2	61	18.9				
X967180		0.4	262	0.4	12.7	61	18.7				
X967181		0.5	284	0.6	13.5	59	16.9				
X967182		0.5	295	0.3	15.4	74	20.7				
X967183		0.5	277	0.3	13.9	68	17.4				
X967184		0.8	213	0.3	15.6	32	20.5				
X967185		1.0	138	1.3	19.4	62	17.8				
X967186		0.5	289	0.3	14.4	76	18.4				
X967187		0.5	281	0.4	16.5	63	22.8				
X967188		0.5	282	0.4	15.9	60	19.6				
X967189		0.6	293	0.5	17.3	63	19.3				
X967190		0.5	286	0.5	16.2	73	21.3				
X967191		0.9	265	0.5	15.8	43	18.6				
X967192		0.5	270	0.4	14.2	56	14.1				
X967193		1.1	280	0.4	16.4	37	23.8				
X967194		1.0	291	0.5	16.5	38	23.9				
X967195		0.5	256	0.4	13.5	50	13.9				
X967196		0.6	265	0.4	14.1	58	14.9				
X967197		1.1	267	0.6	14.9	70	16.3				
X967198		0.9	271	0.7	17.0	72	25.8				



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CERTIFICATE COMMENTS																					
	ANALYTICAL COMMENTS																				
Applies to Method:	REE's may not be totally soluble in this method. ME-MS61																				
	LABORATORY ADDRESSES																				
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Ag-OG62</td> <td>Au-AA23</td> <td>Au-GRA21</td> <td>CRU-31</td> </tr> <tr> <td>CRU-QC</td> <td>Cu-OG62</td> <td>DISP-01</td> <td>LOG-22</td> </tr> <tr> <td>LOG-23</td> <td>ME-MS61</td> <td>ME-OG62</td> <td>Pb-OG62</td> </tr> <tr> <td>PUL-31</td> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> </tr> <tr> <td>Zn-OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Ag-OG62	Au-AA23	Au-GRA21	CRU-31	CRU-QC	Cu-OG62	DISP-01	LOG-22	LOG-23	ME-MS61	ME-OG62	Pb-OG62	PUL-31	PUL-QC	SPL-21	WEI-21	Zn-OG62			
Ag-OG62	Au-AA23	Au-GRA21	CRU-31																		
CRU-QC	Cu-OG62	DISP-01	LOG-22																		
LOG-23	ME-MS61	ME-OG62	Pb-OG62																		
PUL-31	PUL-QC	SPL-21	WEI-21																		
Zn-OG62																					



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This report is for 123 Rock samples submitted to our lab in Vancouver, BC, Canada on 14- NOV- 2018.

The following have access to data associated with this certificate:

JAMES HYNES		
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
DISP- 01	Disposal of all sample fractions
CRU- QC	Crushing QC Test
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
LOG- 23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	
Au- AA23	Au 30g FA- AA finish	AAS

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA18288865

Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	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
X967199		1.84	<0.005	0.06	7.55	2.4	1050	1.14	0.12	6.60	0.08	20.0	29.0	138	1.08	105.0
X967200		4.90	0.007	0.12	7.98	1.8	840	0.99	0.18	7.39	0.07	22.2	36.0	59	1.13	208
X967201		3.38	<0.005	0.03	6.15	23.8	760	0.96	0.06	7.15	0.09	18.30	36.7	345	1.05	75.6
X967202		3.52	0.037	0.06	7.01	3.8	640	0.90	0.07	8.01	0.13	20.1	30.4	126	1.12	135.0
X967203		0.14	0.283	17.90	3.35	269	210	0.52	10.20	2.27	49.1	24.5	16.7	48	0.97	2210
X967204		4.26	<0.005	0.05	7.14	12.6	650	0.90	0.05	7.46	0.10	19.50	36.5	145	0.83	112.0
X967205		5.08	<0.005	0.04	7.02	14.5	580	1.05	0.05	7.66	0.08	21.2	39.2	164	1.01	105.5
X967206		4.76	<0.005	0.07	7.24	14.3	610	1.01	0.05	7.64	0.08	20.3	36.0	158	0.96	135.5
X967207		5.00	<0.005	0.06	7.14	12.1	880	1.00	0.08	7.26	0.07	20.5	36.1	141	1.08	142.0
X967208		5.08	<0.005	0.11	7.10	3.4	910	1.11	0.14	8.10	0.08	20.6	49.5	172	1.07	236
X967209		5.24	<0.005	0.13	6.89	13.5	920	1.04	0.13	7.58	0.07	22.1	59.0	139	0.82	231
X967210		5.10	<0.005	0.11	7.30	19.8	1200	1.02	0.10	7.68	0.07	17.85	56.2	166	0.99	236
X967211		4.14	<0.005	0.11	7.39	4.9	990	0.90	0.11	8.42	0.10	15.00	38.0	127	1.08	265
X967212		0.14	1.005	56.2	2.28	1525	180	0.39	25.5	2.06	81.9	13.25	41.6	59	1.08	4700
X967213		4.04	<0.005	0.11	6.73	4.3	1020	0.88	0.10	8.44	0.14	16.65	31.0	222	1.75	138.0
X967214		4.98	0.009	0.13	7.79	15.9	950	0.89	0.07	7.79	0.11	16.95	32.9	129	1.57	186.5
X967215		5.20	<0.005	0.08	7.49	14.0	1020	0.83	0.07	7.92	0.07	17.65	32.4	153	1.09	115.0
X967216		5.36	<0.005	0.09	7.69	9.4	950	1.02	0.08	7.98	0.10	19.30	36.6	147	1.34	171.0
X967217		3.98	<0.005	0.09	8.03	<0.2	980	0.85	0.10	7.19	0.08	15.35	38.6	118	1.26	244
X967218		3.72	<0.005	0.08	8.61	2.3	940	0.76	0.10	8.13	0.10	15.30	36.0	133	1.24	179.0
X967219		5.10	<0.005	0.09	7.91	3.9	970	1.05	0.08	7.90	0.11	23.9	35.3	127	1.39	213
X967220		4.22	<0.005	0.08	6.83	8.0	690	0.95	0.09	7.49	0.07	22.9	30.6	116	1.40	152.5
X967221		0.28	<0.005	0.08	7.37	1.0	580	0.73	0.09	4.12	0.09	22.6	13.0	22	0.69	92.2
X967222		4.04	<0.005	0.10	7.83	22.5	1140	1.13	0.09	7.29	0.10	26.2	38.6	123	1.61	193.5
X967223		4.44	<0.005	0.07	7.52	14.1	820	1.05	0.10	7.46	0.08	22.6	35.9	136	1.28	174.5
X967224		4.72	<0.005	0.08	7.61	1.3	890	0.98	0.09	6.70	0.07	23.8	32.2	124	1.14	173.5
X967225		2.82	<0.005	0.13	8.15	<0.2	940	1.01	0.20	6.94	0.07	28.1	37.7	46	1.05	367
X967226		3.10	<0.005	0.15	8.51	1.5	1180	0.99	0.21	6.75	0.11	22.6	32.5	28	0.67	309
X967227		4.56	<0.005	0.09	7.40	1.1	1070	1.11	0.15	8.02	0.08	21.0	37.2	144	0.92	262
X967228		3.98	<0.005	0.06	7.40	14.6	650	1.04	0.09	8.48	0.09	18.65	33.5	122	1.18	179.0
X967229		2.00	<0.005	0.08	7.47	12.2	1010	0.96	0.08	7.96	0.08	17.25	36.4	129	1.27	209
X967230		2.04	<0.005	0.06	7.58	11.7	1080	0.88	0.08	7.85	0.08	17.50	33.0	120	1.30	197.0
X967231		4.88	<0.005	0.12	7.42	5.0	930	0.98	0.10	8.07	0.09	17.10	31.2	118	1.13	201
X967232		3.44	<0.005	0.08	7.98	4.8	1250	0.91	0.09	6.86	0.07	18.55	32.8	97	0.80	229
X967233		1.36	0.614	0.17	6.81	0.2	460	0.94	0.08	7.85	0.08	11.30	32.5	100	2.94	336
X967234		4.60	<0.005	0.10	7.51	7.0	940	0.84	0.11	7.92	0.09	18.15	39.7	127	1.02	260
X967235		4.70	<0.005	0.13	7.39	<0.2	1090	0.92	0.14	7.84	0.15	17.25	37.5	144	0.89	294
X967236		5.02	<0.005	0.15	7.10	4.8	1090	0.96	0.15	7.31	0.12	21.6	38.4	118	1.11	347
X967237		2.04	<0.005	0.11	7.54	1.2	1400	1.24	0.12	5.29	0.07	19.15	31.9	150	0.87	227
X967238		4.34	0.163	0.03	8.18	<0.2	670	1.14	0.08	2.78	0.05	20.2	10.5	10	0.56	83.3



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Project: KORE FG

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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
X967199		7.16	13.15	0.09	0.7	0.092	2.30	8.9	12.5	4.23	1740	2.37	2.00	4.2	45.1	1690
X967200		7.61	14.40	0.08	0.7	0.093	2.17	10.5	10.9	3.36	1220	2.26	2.22	2.1	21.9	2180
X967201		7.50	12.55	0.08	0.6	0.081	2.13	8.3	14.7	5.83	1540	0.96	1.08	2.8	139.5	1580
X967202		7.92	16.70	0.09	0.8	0.086	2.00	9.2	12.0	4.39	1440	2.35	1.26	3.8	44.5	1750
X967203		8.83	11.80	0.14	1.4	1.875	0.46	13.4	26.4	2.62	520	12.60	0.10	3.2	31.0	420
X967204		7.47	14.15	0.06	0.8	0.068	1.70	8.8	9.1	4.45	1440	0.96	1.65	3.8	50.2	1570
X967205		8.03	15.35	0.07	0.8	0.083	1.76	9.4	10.0	4.64	1500	1.74	1.56	3.9	53.5	1580
X967206		7.52	14.90	0.07	0.8	0.072	1.76	9.2	9.4	4.58	1350	0.78	1.87	3.9	52.7	1600
X967207		7.03	13.90	0.07	0.7	0.062	1.94	9.2	10.4	4.36	1270	0.88	2.07	3.7	46.5	1600
X967208		8.46	15.20	0.09	0.8	0.066	1.93	9.2	10.7	4.66	1460	1.01	1.58	3.9	59.7	1610
X967209		7.80	14.25	0.07	0.7	0.069	1.63	10.0	8.7	4.14	1110	0.71	1.82	3.8	50.4	1600
X967210		8.23	14.90	0.07	0.8	0.053	2.05	8.2	10.6	4.61	1200	0.64	1.66	3.9	56.7	1640
X967211		8.91	14.35	<0.05	0.7	0.065	1.95	6.9	9.1	4.58	1170	0.69	1.75	2.5	38.6	1730
X967212		21.8	7.80	0.34	0.9	3.97	0.49	7.3	12.7	0.99	801	8.68	0.05	2.1	26.5	340
X967213		8.61	12.50	<0.05	0.7	0.085	2.64	7.9	14.3	5.79	1080	1.53	1.50	1.8	64.8	1890
X967214		8.70	15.60	<0.05	0.7	0.073	2.31	7.8	10.9	4.57	1020	1.01	1.93	3.7	47.6	1800
X967215		7.48	14.80	<0.05	0.6	0.060	1.93	8.2	9.0	4.55	1140	0.81	1.97	3.6	52.2	1670
X967216		7.68	16.15	<0.05	0.6	0.058	2.02	8.9	10.0	4.49	1260	0.62	2.13	3.9	52.3	1710
X967217		7.85	16.00	<0.05	0.8	0.097	2.12	6.8	10.4	4.08	1060	2.06	2.47	2.1	51.1	1390
X967218		7.94	17.10	<0.05	0.8	0.064	2.16	6.6	10.2	4.37	1240	0.51	2.42	2.0	61.0	1510
X967219		7.66	16.85	<0.05	0.7	0.061	2.07	10.8	9.8	4.07	1390	0.79	2.35	6.9	42.5	1980
X967220		7.12	15.90	<0.05	0.8	0.064	1.81	10.2	9.3	3.86	1380	0.43	1.89	5.5	41.1	1720
X967221		4.46	16.35	<0.05	1.0	0.054	1.20	8.4	8.0	1.46	920	5.75	2.31	3.3	13.8	590
X967222		7.20	17.80	<0.05	0.8	0.065	2.18	11.9	11.7	3.81	1440	1.25	2.37	7.8	42.6	1870
X967223		7.62	17.80	<0.05	0.7	0.089	1.96	10.1	10.2	4.08	1320	1.53	2.26	7.5	46.5	1860
X967224		7.18	16.30	<0.05	0.7	0.064	1.95	10.9	10.1	4.02	1120	1.14	2.36	6.7	42.3	1880
X967225		8.84	18.50	<0.05	1.2	0.090	2.13	12.7	10.6	3.25	963	0.47	2.28	10.7	28.9	2190
X967226		6.66	18.05	<0.05	1.1	0.087	1.95	10.5	9.8	2.70	972	1.16	2.78	3.1	15.8	2130
X967227		7.40	17.35	<0.05	0.7	0.075	1.99	9.5	10.1	4.25	1280	0.89	1.78	4.9	50.3	1740
X967228		7.44	16.25	<0.05	1.2	0.076	1.77	8.6	8.1	4.14	1460	0.48	1.86	3.7	41.1	1750
X967229		7.48	17.20	<0.05	0.7	0.094	2.26	8.0	10.2	3.96	1150	0.72	1.96	5.2	46.3	1580
X967230		7.56	16.85	<0.05	0.6	0.093	2.31	8.3	10.2	3.98	1150	0.75	1.91	5.2	45.2	1580
X967231		7.62	15.90	<0.05	0.8	0.084	1.90	8.0	9.1	4.05	1200	0.72	1.92	3.6	41.6	1530
X967232		6.65	17.90	<0.05	0.8	0.082	1.86	8.9	8.5	3.07	1060	1.19	2.87	4.8	34.8	1560
X967233		10.95	15.20	<0.05	0.8	0.071	2.84	5.2	12.2	4.88	1100	3.48	1.33	2.9	36.7	1650
X967234		7.81	15.90	<0.05	0.8	0.081	1.93	8.4	8.7	4.07	1220	0.64	1.94	3.7	45.5	1650
X967235		7.73	15.90	<0.05	0.8	0.086	2.15	7.9	10.4	4.19	1480	0.89	1.69	3.6	49.2	1510
X967236		7.58	15.50	<0.05	0.8	0.073	2.44	9.8	12.1	3.69	1230	1.51	2.17	4.0	40.2	1770
X967237		8.05	18.55	<0.05	0.8	0.096	2.53	9.1	15.0	3.96	1530	2.42	2.28	4.1	48.0	1850
X967238		3.50	17.85	<0.05	0.9	0.048	1.34	9.1	6.2	1.09	680	0.29	5.59	6.3	6.2	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
X967199		2.7	63.0	<0.002	0.56	1.54	30.9	1	0.9	335	0.25	0.15	1.26	0.453	0.48	0.6
X967200		2.9	54.3	<0.002	1.24	1.52	25.5	1	0.9	978	0.12	0.25	1.98	0.338	0.48	1.0
X967201		2.2	58.1	<0.002	0.29	2.06	34.4	1	0.7	532	0.16	0.08	1.10	0.402	0.46	0.6
X967202		2.7	63.1	<0.002	0.54	1.60	36.2	1	0.9	855	0.22	0.09	1.54	0.431	0.45	0.8
X967203		1095	18.3	0.016	7.32	45.0	6.4	30	18.0	75.9	0.23	0.31	3.01	0.122	6.47	2.6
X967204		3.3	54.3	<0.002	0.40	1.55	31.6	1	0.7	521	0.22	0.07	1.28	0.430	0.39	0.5
X967205		3.6	59.9	<0.002	0.45	1.66	35.9	1	0.6	556	0.23	0.07	1.32	0.435	0.43	0.6
X967206		2.7	58.0	<0.002	0.36	1.36	32.8	1	0.6	877	0.23	0.07	1.32	0.445	0.42	0.6
X967207		2.8	61.8	<0.002	0.52	1.13	33.5	1	0.6	675	0.21	0.08	1.33	0.446	0.43	0.6
X967208		3.1	60.7	0.005	1.33	1.41	35.6	2	0.8	794	0.23	0.13	1.36	0.443	0.45	0.6
X967209		3.4	45.3	0.002	1.06	1.30	32.6	1	0.8	1055	0.21	0.23	1.30	0.422	0.32	0.6
X967210		3.4	50.2	0.002	0.77	1.30	30.3	1	0.6	809	0.24	0.09	1.14	0.451	0.42	0.6
X967211		3.2	47.7	0.003	0.87	1.44	32.9	1	0.7	1050	0.15	0.13	1.26	0.407	0.45	0.7
X967212		4310	17.4	0.021	>10.0	183.0	4.5	115	20.4	79.7	0.14	0.23	1.52	0.084	14.25	2.1
X967213		5.1	70.8	0.003	0.57	1.36	37.1	<1	0.6	797	0.11	0.08	1.50	0.339	0.61	0.8
X967214		3.6	67.2	<0.002	0.53	1.50	31.8	1	0.7	1090	0.23	0.06	1.25	0.436	0.52	0.7
X967215		3.3	48.4	0.002	0.28	1.12	29.0	1	0.8	840	0.22	0.05	1.14	0.447	0.42	0.6
X967216		3.1	60.1	0.003	0.42	1.24	30.6	1	0.8	1020	0.22	<0.05	1.15	0.459	0.46	0.6
X967217		2.6	43.6	0.003	0.78	1.14	33.7	1	0.9	1160	0.14	0.11	1.15	0.437	0.45	0.8
X967218		2.8	41.1	0.003	0.60	1.30	36.4	1	0.6	1450	0.13	0.09	1.25	0.475	0.47	0.7
X967219		2.9	51.8	0.002	0.71	0.95	26.9	<1	0.7	1100	0.40	0.06	1.55	0.491	0.46	0.7
X967220		2.5	56.1	<0.002	0.57	1.00	30.0	1	0.8	1120	0.32	0.14	1.43	0.431	0.44	0.7
X967221		6.8	17.5	0.002	0.01	0.47	15.4	<1	1.2	448	0.22	<0.05	2.06	0.288	0.20	0.9
X967222		3.2	61.8	0.003	0.55	1.00	26.6	1	0.9	929	0.44	0.09	1.57	0.483	0.50	0.7
X967223		2.8	44.4	0.003	0.70	1.12	25.8	1	0.9	903	0.42	0.13	1.31	0.483	0.45	0.6
X967224		2.2	51.7	0.004	0.86	1.04	26.3	1	0.6	825	0.37	0.07	1.46	0.480	0.41	0.7
X967225		2.7	41.7	0.003	1.65	1.42	25.5	2	0.9	1380	0.61	0.22	2.13	0.520	0.48	1.1
X967226		2.3	33.5	0.003	1.17	1.30	20.8	1	0.9	1360	0.19	0.25	1.89	0.453	0.34	1.1
X967227		2.5	54.4	0.002	1.01	1.11	30.6	2	0.7	820	0.28	0.13	1.27	0.456	0.40	0.6
X967228		2.5	52.8	0.002	0.56	1.20	31.3	1	0.7	1330	0.22	0.07	1.29	0.467	0.43	0.7
X967229		2.5	53.6	0.002	0.67	1.07	28.6	1	1.0	903	0.30	0.10	1.03	0.441	0.52	0.6
X967230		2.3	54.0	0.003	0.66	1.07	28.9	1	0.9	946	0.31	0.11	1.07	0.448	0.52	0.6
X967231		2.4	53.3	0.003	0.72	1.25	30.1	1	0.7	1050	0.22	0.09	1.08	0.422	0.44	0.5
X967232		2.5	28.1	0.005	0.81	1.22	19.7	1	0.8	1170	0.31	0.13	1.51	0.400	0.37	0.8
X967233		2.3	107.5	<0.002	1.06	1.45	46.0	1	0.7	1430	0.18	0.11	1.38	0.364	0.95	0.8
X967234		3.0	52.3	0.003	0.95	1.13	29.9	1	0.7	932	0.23	0.13	1.15	0.435	0.44	0.6
X967235		3.6	53.5	0.003	1.14	1.27	30.5	1	0.7	690	0.21	0.21	1.02	0.432	0.43	0.5
X967236		2.6	65.0	0.002	1.18	0.89	35.0	1	0.7	488	0.25	0.20	1.68	0.416	0.51	0.9
X967237		2.1	47.8	0.004	1.02	1.32	29.2	1	0.8	462	0.23	0.16	1.53	0.422	0.46	0.8
X967238		1.5	21.9	0.002	0.50	0.48	6.3	<1	0.6	600	0.43	0.09	2.72	0.242	0.28	1.4



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X967199		268	0.6	15.7	81	18.5	
X967200		249	0.6	15.3	54	15.9	
X967201		252	0.6	13.9	71	18.6	
X967202		274	0.7	15.7	78	19.4	
X967203		75	1.7	10.5	7610	46.9	
X967204		261	0.4	14.8	81	20.6	
X967205		266	0.4	15.7	76	21.0	
X967206		267	0.4	16.0	60	19.5	
X967207		269	0.4	15.6	55	19.3	
X967208		273	0.5	16.1	68	19.0	
X967209		264	0.4	14.9	47	20.2	
X967210		278	0.4	13.8	50	18.1	
X967211		287	0.4	12.8	45	16.6	
X967212		68	2.6	8.1	>10000	31.1	1.370
X967213		266	0.4	11.5	51	16.4	
X967214		302	0.4	13.4	49	18.0	
X967215		290	0.4	13.5	51	15.5	
X967216		290	0.3	15.2	63	19.2	
X967217		296	0.3	14.6	44	20.9	
X967218		325	0.3	15.6	52	21.2	
X967219		292	0.4	14.3	67	21.1	
X967220		272	0.4	13.6	60	21.3	
X967221		133	2.2	17.5	58	17.6	
X967222		272	0.5	15.6	66	23.1	
X967223		275	0.4	14.2	54	20.5	
X967224		275	0.5	14.8	42	21.8	
X967225		301	0.6	15.1	39	34.5	
X967226		294	0.4	17.1	35	32.7	
X967227		279	0.5	14.8	48	20.4	
X967228		302	0.4	14.7	56	19.7	
X967229		276	0.4	13.8	40	18.1	
X967230		278	0.4	14.0	40	17.4	
X967231		276	0.4	14.3	41	20.0	
X967232		253	0.4	14.5	41	24.9	
X967233		297	0.4	11.3	46	20.0	
X967234		285	0.5	14.5	44	19.0	
X967235		277	0.7	14.5	64	24.4	
X967236		277	0.6	15.0	49	26.2	
X967237		283	0.7	14.8	66	20.7	
X967238		141	0.4	12.9	26	27.3	



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Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg	Au- AA23 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
	LOD	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
X967239		0.14	0.322	17.15	3.29	262	170	0.45	10.60	2.17	45.6	21.2	15.9	49	0.91	2120
X967240		4.18	0.008	0.11	7.76	<0.2	730	1.09	0.18	3.89	0.05	15.65	17.5	34	1.05	148.5
X967241		3.72	0.006	0.06	8.39	<0.2	930	0.85	0.08	5.91	0.04	17.15	25.6	42	0.54	152.5
X967242		3.88	<0.005	0.05	7.99	0.4	990	1.04	0.08	6.69	0.05	19.35	27.6	107	1.07	135.5
X967243		3.10	<0.005	0.06	8.32	<0.2	870	0.91	0.08	4.90	0.05	15.35	19.6	13	0.55	124.5
X967244		3.16	<0.005	0.06	8.17	<0.2	860	0.95	0.08	4.87	0.04	15.35	22.3	8	0.49	140.5
X967245		2.44	<0.005	0.06	5.14	<0.2	1140	0.84	0.06	9.40	0.05	8.99	30.3	268	1.27	118.5
X967246		4.28	<0.005	0.09	7.61	0.2	920	0.96	0.10	7.64	0.09	22.3	38.6	141	1.04	177.5
X967247		4.32	<0.005	0.05	7.32	3.3	940	0.94	0.08	7.62	0.08	18.60	34.8	172	0.90	140.0
X967248		0.14	0.949	57.4	2.25	1475	180	0.37	25.0	2.01	84.0	13.80	44.5	59	1.08	4640
X967249		3.78	<0.005	0.07	6.87	6.0	1000	1.02	0.06	7.35	0.12	17.60	30.9	258	1.18	88.3
X967250		3.42	0.007	0.38	6.18	0.5	1200	1.00	1.77	6.22	0.09	16.45	87.8	110	1.41	748
X967251		3.32	<0.005	0.08	8.38	<0.2	730	0.98	0.17	5.34	0.07	23.0	25.5	78	1.64	178.5
X967252		4.28	<0.005	0.13	6.89	9.1	680	0.87	0.09	8.33	0.14	16.60	47.7	206	1.18	191.0
X967253		3.24	<0.005	0.14	6.80	8.8	580	0.93	0.08	8.48	0.15	16.00	42.6	197	0.83	180.0
X967254		4.62	<0.005	0.14	6.39	7.1	520	0.84	0.08	8.23	0.08	15.40	42.4	205	0.73	163.5
X967255		4.68	<0.005	0.10	6.64	4.4	540	0.85	0.24	8.30	0.08	16.60	38.3	193	0.91	111.0
X967256		3.46	<0.005	0.07	8.44	0.5	510	0.78	0.09	6.00	0.05	17.40	24.8	33	1.00	133.0
X967257		0.28	<0.005	0.08	7.77	1.4	600	0.68	0.09	4.30	0.10	21.0	13.4	23	0.66	97.8
X967258		3.58	<0.005	0.11	7.09	5.0	640	0.94	0.06	7.00	0.09	15.55	37.1	176	1.37	172.0
X967259		3.42	<0.005	0.07	8.25	0.5	390	0.73	0.07	7.21	0.11	17.05	29.4	98	0.93	132.0
X967260		3.08	<0.005	0.09	7.81	3.4	430	0.71	0.07	7.94	0.12	14.40	35.6	115	0.75	158.5
X967261		3.88	<0.005	0.09	6.70	8.1	650	0.82	0.07	7.88	0.10	15.85	45.2	200	1.39	115.0
X967262		3.30	<0.005	0.10	6.80	7.7	590	0.89	0.09	8.15	0.10	16.55	45.5	198	1.39	126.0
X967263		3.18	<0.005	0.06	7.42	<0.2	660	0.83	0.21	7.13	0.04	23.5	34.0	238	1.26	119.0
X967264		4.78	<0.005	0.08	6.99	1.7	460	0.80	0.10	9.25	0.08	17.25	42.0	169	1.18	155.5
X967265		2.00	<0.005	0.09	6.78	3.1	460	0.97	0.10	9.69	0.08	16.65	39.5	176	1.21	147.5
X967266		2.08	<0.005	0.10	6.80	3.5	470	0.81	0.06	9.37	0.09	16.25	38.0	175	1.30	169.5
X967267		4.56	<0.005	0.13	6.56	9.4	590	0.85	0.06	9.17	0.11	16.20	39.8	197	1.24	176.0
X967268		3.74	<0.005	0.06	8.23	2.1	360	0.82	0.06	6.40	0.04	16.25	23.8	38	0.95	106.5
X967269		2.40	<0.005	0.10	7.87	6.9	500	0.80	0.09	8.44	0.06	17.15	42.6	93	0.97	191.0
X967270		4.78	<0.005	0.11	6.93	10.9	640	0.77	0.07	7.58	0.06	15.65	38.0	168	1.42	159.5
X967271		4.08	<0.005	0.21	6.57	20.9	610	0.95	0.06	8.16	0.15	15.95	43.5	200	1.34	277
X967272		5.26	<0.005	0.10	6.67	16.2	530	0.73	0.11	8.10	0.05	17.05	58.5	151	1.25	239
X967273		3.36	<0.005	0.15	6.54	35.3	850	0.74	0.14	8.00	0.05	16.70	62.0	186	1.32	466
X967274		3.22	<0.005	0.08	6.26	15.0	600	0.80	0.08	8.03	0.06	16.20	42.5	193	0.97	147.5
X967275		0.14	0.323	17.80	3.31	254	150	0.44	10.50	2.21	48.1	21.8	16.3	49	0.93	2160
X967276		3.42	<0.005	0.13	6.68	16.8	880	0.77	0.10	8.00	0.15	15.50	43.3	179	0.98	241
X967277		4.08	<0.005	0.04	6.51	20.8	1070	0.77	0.08	7.51	0.07	16.00	43.9	249	1.24	73.7
X967278		3.46	<0.005	0.07	5.23	2.8	1690	0.61	0.10	11.40	0.10	12.05	35.0	206	1.76	173.0



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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
X967239		8.60	12.25	0.06	1.4	1.705	0.45	10.5	26.4	2.54	496	12.65	0.10	3.1	30.2	400
X967240		4.64	16.60	<0.05	1.0	0.055	1.85	7.7	8.6	1.89	804	1.01	4.73	5.4	20.5	1280
X967241		5.29	17.45	<0.05	0.7	0.069	1.47	8.2	6.8	2.22	755	0.84	3.66	3.3	24.3	2060
X967242		7.00	19.20	<0.05	0.7	0.076	2.22	9.0	10.3	3.52	1080	1.66	2.35	5.1	37.8	1960
X967243		5.01	19.00	<0.05	1.0	0.106	1.55	6.8	6.9	1.68	670	1.45	4.07	6.0	10.3	1700
X967244		4.93	18.40	<0.05	0.8	0.102	1.53	6.9	7.4	1.59	592	0.65	4.20	6.0	11.3	1720
X967245		8.01	11.10	<0.05	0.6	0.064	2.63	3.8	12.5	6.63	1020	1.16	0.68	1.1	69.8	1340
X967246		8.21	18.30	0.15	0.9	0.089	2.26	10.9	10.6	4.40	1060	2.62	1.75	5.6	51.2	1830
X967247		7.67	16.30	0.13	0.8	0.070	2.07	9.3	9.8	4.52	1100	1.66	1.65	4.4	65.3	1590
X967248		21.6	8.38	0.42	0.9	3.84	0.49	8.1	13.1	0.97	796	9.43	0.05	2.2	28.4	340
X967249		7.76	16.90	0.12	0.8	0.084	2.54	8.5	12.4	5.44	1100	0.82	1.17	4.2	118.0	1610
X967250		12.25	14.50	0.11	0.8	0.066	2.99	8.4	15.0	4.65	971	4.82	1.33	3.8	67.0	1850
X967251		6.83	18.75	0.14	1.0	0.091	2.42	10.9	11.6	3.36	888	1.54	3.22	7.3	37.4	1710
X967252		8.34	16.25	0.12	0.7	0.065	1.95	7.9	11.0	6.06	1440	1.10	1.16	3.3	79.8	1280
X967253		8.18	16.10	0.10	0.7	0.053	1.53	7.7	8.2	5.72	1440	0.78	1.29	3.1	74.3	1360
X967254		8.01	15.05	0.11	0.8	0.057	1.33	7.4	6.7	5.46	1440	1.08	1.33	3.0	71.2	1330
X967255		7.88	16.10	0.12	0.8	0.056	1.48	8.1	7.5	5.27	1340	1.30	1.40	3.1	68.4	1340
X967256		6.14	18.95	0.13	0.8	0.054	1.63	8.7	8.5	2.60	1020	0.56	3.57	3.0	17.5	1980
X967257		4.64	16.15	0.14	1.0	0.049	1.24	8.5	7.4	1.52	964	5.76	2.40	3.2	14.0	620
X967258		6.95	15.55	0.13	0.9	0.063	2.03	8.0	11.5	4.83	1260	0.66	2.15	3.3	60.6	1190
X967259		6.45	17.05	0.12	0.9	0.055	1.26	8.3	6.0	3.59	1350	0.99	2.91	2.5	45.5	1330
X967260		7.33	16.65	0.10	0.9	0.063	1.27	6.8	6.1	4.36	1560	1.41	2.29	1.9	59.8	1310
X967261		8.31	15.90	0.13	0.7	0.053	2.04	7.6	10.7	5.96	1360	0.67	1.15	3.3	78.5	1250
X967262		8.37	17.25	0.11	0.7	0.062	1.95	8.0	10.4	5.85	1440	0.98	1.16	3.3	78.4	1270
X967263		7.85	15.70	0.13	1.0	0.060	1.86	11.3	10.9	5.10	1680	1.72	2.20	3.1	134.5	1920
X967264		8.24	16.30	0.10	0.7	0.070	1.65	8.4	7.6	5.01	1500	0.64	1.45	3.1	60.6	1450
X967265		8.09	16.25	0.11	0.7	0.071	1.60	8.0	7.6	4.99	1620	0.38	1.26	2.8	62.7	1360
X967266		7.88	15.35	0.10	0.7	0.077	1.73	7.9	8.0	4.88	1560	0.39	1.33	2.9	61.0	1380
X967267		7.88	15.50	0.11	0.7	0.061	1.77	7.9	8.7	5.34	1600	1.07	1.24	2.8	70.5	1350
X967268		5.75	19.60	0.12	0.8	0.056	1.32	7.9	6.3	2.25	1060	1.81	3.63	3.1	17.8	2020
X967269		7.57	16.35	0.12	0.9	0.066	1.44	8.4	6.9	4.39	1320	0.49	2.36	3.8	47.9	1420
X967270		8.12	14.65	0.11	0.7	0.059	2.01	7.5	9.3	5.38	1280	1.07	1.49	3.2	61.0	1410
X967271		8.00	15.55	0.13	0.7	0.057	1.91	7.6	9.7	5.76	1220	0.73	1.17	3.1	73.8	1250
X967272		7.96	14.85	0.13	0.7	0.067	1.76	8.4	8.9	4.90	1140	2.27	1.81	2.8	53.7	1560
X967273		8.01	15.35	0.11	0.6	0.059	1.97	8.2	9.3	5.25	1130	0.41	1.44	3.2	71.9	1290
X967274		7.96	14.55	0.10	0.8	0.059	1.62	8.0	8.2	5.54	1240	0.64	1.49	3.1	66.9	1400
X967275		8.67	12.35	0.18	1.5	1.750	0.45	11.8	25.3	2.57	508	13.65	0.10	3.1	30.5	410
X967276		7.91	15.30	0.13	0.8	0.069	2.03	7.6	10.1	5.41	1250	0.73	1.41	2.8	65.1	1260
X967277		8.68	16.70	0.13	0.7	0.055	2.37	7.7	14.3	6.69	1440	0.62	0.95	3.5	91.3	1240
X967278		7.71	10.70	0.11	0.4	0.061	2.42	6.0	8.8	4.93	1710	0.75	1.28	1.9	67.9	1040



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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
X967239		1050	16.5	0.017	6.79	43.9	6.0	31	17.8	70.7	0.24	0.32	2.64	0.116	6.78	2.5
X967240		1.7	34.9	0.002	0.61	0.55	11.4	1	0.7	377	0.36	0.31	2.13	0.299	0.54	0.9
X967241		2.6	24.0	<0.002	0.50	1.01	11.8	<1	0.7	1160	0.20	0.10	1.57	0.329	0.34	0.7
X967242		2.0	43.4	0.002	0.51	1.40	22.1	<1	0.8	1200	0.29	0.08	1.41	0.429	0.60	0.7
X967243		1.6	17.8	<0.002	0.55	1.04	12.0	<1	0.8	973	0.44	0.11	1.61	0.356	0.39	1.0
X967244		1.5	17.2	<0.002	0.71	1.12	10.9	1	0.8	1060	0.43	0.10	1.58	0.343	0.38	0.9
X967245		0.5	78.4	0.003	0.85	0.91	66.1	<1	0.5	231	0.07	0.13	0.97	0.293	0.67	0.5
X967246		4.5	74.5	0.003	0.93	1.51	33.6	<1	0.8	708	0.33	0.12	1.60	0.473	0.59	0.7
X967247		2.2	65.5	<0.002	0.72	1.43	32.4	1	0.7	641	0.27	0.11	1.20	0.454	0.50	0.6
X967248		4230	19.7	0.019	>10.0	176.0	4.9	119	22.4	84.6	0.15	0.25	1.64	0.084	14.50	2.1
X967249		3.6	74.2	<0.002	0.53	1.41	33.0	1	0.6	542	0.26	<0.05	1.18	0.439	0.67	0.6
X967250		2.9	88.0	0.002	3.36	1.35	40.4	3	0.7	193.5	0.23	1.96	1.54	0.382	0.70	0.8
X967251		1.8	70.5	<0.002	0.79	1.09	21.6	1	0.9	708	0.47	0.16	1.96	0.422	0.68	1.0
X967252		2.1	54.3	0.003	0.16	1.27	35.7	<1	0.7	683	0.20	<0.05	1.00	0.463	0.48	0.5
X967253		2.6	35.3	0.002	0.05	1.36	34.5	1	0.7	798	0.19	<0.05	0.94	0.460	0.35	0.5
X967254		2.4	30.6	<0.002	0.09	1.35	33.2	<1	0.7	733	0.18	<0.05	0.92	0.429	0.27	0.5
X967255		2.6	35.2	<0.002	0.05	1.30	34.0	1	0.6	801	0.20	0.21	0.99	0.439	0.34	0.5
X967256		2.8	30.5	0.002	0.37	0.90	16.1	<1	0.7	1510	0.18	0.05	1.73	0.358	0.42	0.9
X967257		7.5	17.8	<0.002	0.01	0.43	15.9	<1	1.2	469	0.21	<0.05	2.36	0.298	0.16	0.9
X967258		1.5	54.0	<0.002	0.04	0.79	30.7	<1	0.7	458	0.23	<0.05	1.39	0.385	0.51	0.7
X967259		3.1	32.2	<0.002	0.18	1.07	32.6	1	0.7	1630	0.18	<0.05	1.75	0.395	0.34	0.8
X967260		3.8	26.1	<0.002	0.12	1.22	39.1	1	0.7	1550	0.12	<0.05	1.24	0.467	0.29	0.6
X967261		2.8	53.8	<0.002	0.01	1.24	35.3	<1	0.7	464	0.22	<0.05	0.91	0.465	0.52	0.4
X967262		3.0	54.3	0.002	0.03	1.27	36.4	1	0.7	585	0.21	0.05	0.98	0.457	0.50	0.5
X967263		1.7	50.3	<0.002	0.29	0.96	32.7	1	0.7	351	0.21	0.10	2.11	0.395	0.47	1.0
X967264		3.0	45.9	<0.002	0.32	1.20	32.9	<1	0.7	1110	0.20	<0.05	1.02	0.466	0.43	0.5
X967265		3.4	49.1	0.002	0.15	1.39	33.9	1	0.9	1090	0.18	0.07	0.97	0.436	0.46	0.5
X967266		2.8	52.0	0.002	0.14	1.27	33.7	1	0.9	1010	0.18	<0.05	1.01	0.431	0.49	0.4
X967267		2.2	50.9	0.003	0.07	1.34	35.0	<1	0.7	899	0.18	<0.05	0.94	0.417	0.44	0.5
X967268		2.4	17.1	0.003	0.23	1.50	13.0	1	0.7	1630	0.19	<0.05	1.56	0.367	0.45	0.8
X967269		1.9	35.9	0.002	0.38	1.34	38.5	1	0.7	1240	0.25	<0.05	1.43	0.449	0.38	0.6
X967270		1.7	50.2	0.003	0.11	1.15	30.2	1	0.6	617	0.20	<0.05	0.96	0.473	0.56	0.5
X967271		1.8	53.8	<0.002	0.04	1.19	35.1	1	0.7	746	0.20	0.05	0.96	0.437	0.55	0.4
X967272		1.7	50.6	0.004	0.58	1.14	37.2	1	0.8	942	0.17	0.10	1.22	0.415	0.47	0.6
X967273		2.0	50.1	<0.002	0.57	1.19	34.8	1	0.6	571	0.20	0.06	0.97	0.424	0.46	0.5
X967274		1.9	39.9	0.002	0.49	1.22	38.5	1	0.7	831	0.20	0.05	1.12	0.424	0.36	0.5
X967275		1060	17.9	0.018	6.83	44.1	6.1	31	19.6	74.1	0.24	0.30	2.86	0.118	6.92	2.6
X967276		2.5	44.9	0.002	0.46	1.08	37.4	1	0.7	696	0.18	<0.05	1.03	0.428	0.41	0.5
X967277		1.9	51.5	<0.002	0.15	1.18	37.9	1	0.7	493	0.22	0.06	0.93	0.477	0.49	0.4
X967278		1.7	65.7	<0.002	0.74	0.72	29.9	1	0.5	462	0.11	0.08	0.69	0.317	0.59	0.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X967239		73	1.9	9.9	7270	45.0	
X967240		183	0.5	12.1	36	32.0	
X967241		217	0.4	14.0	26	20.4	
X967242		263	0.6	14.8	42	18.0	
X967243		231	0.4	13.0	25	25.2	
X967244		218	0.4	12.4	23	20.3	
X967245		247	0.6	10.0	36	15.0	
X967246		295	0.8	15.0	44	24.0	
X967247		272	0.6	14.6	47	23.6	
X967248		67	2.5	8.2	>10000	32.3	1.365
X967249		270	0.7	13.8	56	19.9	
X967250		278	1.0	11.6	47	23.2	
X967251		246	0.6	14.2	39	20.9	
X967252		294	0.4	13.6	91	17.4	
X967253		293	0.4	13.7	102	17.6	
X967254		282	0.4	13.1	91	18.9	
X967255		284	0.4	13.4	61	18.8	
X967256		226	0.4	14.1	38	23.5	
X967257		139	1.4	17.0	61	16.6	
X967258		247	0.5	13.1	53	19.5	
X967259		268	0.3	15.7	71	27.4	
X967260		312	0.3	14.9	85	20.6	
X967261		292	0.4	13.5	87	14.4	
X967262		293	0.4	14.2	83	15.4	
X967263		281	0.4	15.3	64	27.2	
X967264		301	0.4	14.2	53	17.6	
X967265		289	0.4	14.1	59	15.9	
X967266		278	0.4	13.2	56	15.2	
X967267		274	0.4	13.5	58	15.9	
X967268		225	0.3	14.7	40	23.6	
X967269		301	0.4	14.8	49	21.6	
X967270		300	0.4	13.1	60	14.8	
X967271		286	0.4	13.2	59	15.5	
X967272		298	0.5	13.1	44	17.6	
X967273		278	0.4	13.4	44	15.1	
X967274		289	0.4	12.9	49	19.2	
X967275		75	1.9	9.5	7480	44.5	
X967276		278	0.5	13.3	54	17.6	
X967277		305	0.4	13.8	64	14.6	
X967278		221	0.5	10.8	122	9.8	



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	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
X967279		3.28	<0.005	0.15	5.94	3.6	440	0.63	0.29	7.97	0.09	13.95	39.3	204	1.73	538
X967280		4.16	<0.005	0.14	6.09	13.4	520	0.74	0.15	8.49	0.16	14.50	40.0	221	1.32	162.5
X967281		4.20	<0.005	0.12	6.22	15.8	500	0.81	0.07	9.11	0.09	14.80	38.9	241	1.29	95.4
X967282		4.54	<0.005	0.12	6.22	16.0	620	0.95	0.08	8.42	0.10	14.85	46.0	239	1.37	120.0
X967283		4.98	<0.005	0.08	6.32	6.8	860	0.89	0.13	7.83	0.06	15.35	45.6	226	1.47	122.0
X967284		0.14	0.946	54.5	2.20	1545	180	0.31	26.2	1.98	79.8	12.35	44.2	57	1.00	4490
X967285		1.86	0.010	0.31	6.28	1.5	1320	1.05	1.45	7.01	0.07	15.95	85.1	33	1.34	427
X967286		3.34	<0.005	0.09	6.14	4.4	690	0.76	0.12	9.07	0.07	12.65	38.3	206	1.53	122.0
X967287		3.68	<0.005	0.14	7.98	4.6	340	0.81	0.10	6.85	0.17	13.60	23.7	11	0.66	166.5
X967288		3.08	<0.005	0.06	7.05	6.2	560	0.68	0.09	9.00	0.06	10.10	31.0	125	1.27	109.5
X967289		2.70	<0.005	0.04	6.08	27.3	1110	0.95	0.05	7.95	0.05	14.55	47.3	246	1.64	48.5
X967290		4.34	<0.005	0.09	7.47	13.8	410	0.65	0.07	8.03	0.08	12.65	34.4	130	0.74	135.5
X967291		3.64	<0.005	0.11	7.32	11.7	410	0.70	0.05	8.05	0.09	13.35	32.3	116	0.83	121.0
X967292		4.84	<0.005	0.05	5.78	18.9	610	0.74	0.05	8.38	0.06	12.45	46.0	263	1.31	71.6
X967293		0.30	<0.005	0.07	7.65	1.9	600	0.66	0.10	4.34	0.09	19.05	14.7	23	0.66	101.5
X967294		5.14	<0.005	0.09	6.00	18.6	640	0.80	0.06	8.45	0.11	13.20	49.5	275	1.45	98.2
X967295		5.22	<0.005	0.12	6.21	18.1	630	0.90	0.07	8.49	0.15	14.30	47.1	238	1.24	145.0
X967296		3.42	<0.005	0.06	6.94	12.7	680	0.80	0.08	8.46	0.06	17.50	42.5	169	1.13	85.4
X967297		3.14	<0.005	0.13	6.20	19.3	990	0.85	0.08	8.22	0.10	14.20	46.2	218	1.24	146.0
X967298		4.52	<0.005	0.10	8.13	0.9	760	0.56	0.25	7.09	0.08	12.55	55.0	14	2.00	275
X967299		4.22	<0.005	0.11	5.96	19.2	1240	0.81	0.06	8.48	0.48	13.55	43.0	245	1.31	94.5
X967300		4.22	0.017	0.22	6.59	16.8	1160	0.66	0.05	8.22	0.09	12.75	42.5	204	1.45	196.5
X967301		2.58	<0.005	0.11	7.58	4.1	530	0.68	0.08	9.13	0.04	13.80	29.1	89	1.26	221
X967302		0.28	<0.005	0.07	7.65	1.7	600	0.67	0.10	4.35	0.08	19.45	15.0	23	0.68	100.5
X967303		3.06	<0.005	0.10	7.62	4.7	990	0.83	0.10	3.92	0.08	15.85	15.2	28	0.49	171.5
X967304		4.82	<0.005	0.02	5.92	100.5	1610	1.03	0.04	6.30	0.03	9.12	58.2	795	1.42	7.6
X967305		3.86	<0.005	0.12	8.24	23.1	420	0.86	0.50	3.98	0.09	20.3	45.7	25	0.58	181.0
X967306		4.34	0.061	0.07	7.24	15.3	580	0.78	0.10	7.59	0.03	15.55	41.9	112	2.19	74.2
X967307		4.90	0.048	0.14	7.30	38.5	610	0.79	0.31	6.63	0.05	13.85	74.4	59	2.04	150.0
X967308		3.68	<0.005	0.18	6.49	24.0	930	0.87	0.09	7.88	0.11	15.80	44.1	186	1.45	172.0
X967309		4.28	<0.005	0.07	6.48	29.9	860	0.92	0.06	7.82	0.06	14.10	47.3	206	1.83	69.0
X967310		3.36	<0.005	0.05	5.97	49.2	1110	0.93	0.05	6.89	0.05	14.70	48.6	357	1.87	55.8
X967311		0.14	0.294	17.70	3.44	278	120	0.50	10.15	2.28	47.0	19.90	17.1	52	0.94	2200
X967312		3.78	<0.005	0.13	7.43	16.5	730	0.65	0.09	7.73	0.08	18.15	43.1	111	1.03	241
X967313		3.46	<0.005	0.10	7.35	5.5	570	0.74	0.09	7.78	0.07	14.60	40.9	118	1.52	246
X967314		4.98	<0.005	0.12	7.26	16.1	540	0.92	0.08	7.94	0.08	17.45	45.4	162	1.28	200
X967315		5.06	<0.005	0.12	6.60	15.9	550	0.80	0.06	7.92	0.10	14.75	42.3	190	1.52	167.5
X967316		4.24	<0.005	0.09	6.62	15.4	590	0.87	0.08	7.83	0.08	15.60	45.6	191	1.64	119.5
X967317		2.64	0.005	0.05	6.09	0.6	730	0.91	0.12	9.02	0.05	11.35	32.5	221	1.57	162.0
X967318		3.74	<0.005	0.06	6.68	14.5	610	0.95	0.07	7.83	0.05	17.50	41.4	186	1.37	62.1



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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
X967279		8.78	13.65	0.10	0.5	0.078	1.97	6.8	7.8	5.25	1800	1.03	1.93	2.4	65.5	1210
X967280		7.98	13.05	0.10	0.8	0.054	1.77	6.9	8.3	5.65	1400	0.52	1.75	1.9	75.4	1430
X967281		8.17	14.20	0.12	0.6	0.056	1.73	7.1	7.8	6.02	1410	0.40	1.17	2.0	81.3	1420
X967282		8.11	13.80	<0.05	0.5	0.078	1.87	7.4	9.3	5.92	1310	0.37	1.33	2.0	84.1	1350
X967283		7.98	14.45	0.07	0.6	0.064	2.10	7.5	10.8	5.68	1160	0.39	1.52	2.2	79.6	1370
X967284		21.1	7.68	0.31	0.9	3.99	0.47	7.3	12.5	0.95	771	8.44	0.05	2.0	26.0	320
X967285		10.35	11.80	0.05	0.7	0.046	2.53	8.6	13.0	4.01	1040	0.06	2.26	1.2	32.0	1950
X967286		8.31	13.95	<0.05	0.6	0.054	2.09	6.2	10.0	6.03	1250	0.68	1.24	1.6	70.0	1370
X967287		5.26	19.50	<0.05	1.0	0.082	1.10	6.7	5.2	1.80	853	0.48	3.52	2.6	10.8	2010
X967288		6.74	14.50	<0.05	0.6	0.067	1.78	5.1	8.6	4.62	1000	0.48	1.89	1.4	40.9	1370
X967289		7.87	13.30	0.05	0.6	0.055	2.44	7.3	12.8	6.58	1260	0.55	0.93	2.2	95.6	1240
X967290		6.88	16.00	<0.05	0.7	0.060	1.27	5.9	6.3	4.12	1160	0.49	2.06	1.8	58.8	1310
X967291		6.77	16.15	<0.05	0.7	0.058	1.29	6.3	6.2	3.87	1210	0.98	2.13	2.2	51.5	1330
X967292		7.77	12.50	<0.05	0.5	0.049	1.86	6.1	10.4	6.96	1300	0.67	0.89	1.8	99.5	1070
X967293		4.67	16.40	0.07	1.0	0.052	1.24	7.5	8.0	1.50	975	5.58	2.43	3.2	14.8	610
X967294		8.12	13.35	<0.05	0.6	0.059	1.98	6.4	11.3	6.99	1300	0.62	0.95	2.0	106.5	1130
X967295		8.10	14.70	<0.05	0.6	0.060	1.73	7.0	9.5	6.38	1310	0.40	1.12	2.1	93.8	1210
X967296		7.78	17.45	0.06	0.8	0.065	1.63	8.5	8.7	5.14	1280	0.79	1.51	2.2	69.5	1540
X967297		7.87	14.35	0.06	0.6	0.057	2.03	7.0	10.4	6.16	1280	0.46	1.02	2.0	87.4	1240
X967298		9.05	17.05	0.05	0.7	0.045	2.56	6.1	10.9	3.04	1000	1.33	2.37	1.8	19.3	2100
X967299		8.06	13.40	<0.05	0.6	0.064	2.36	6.6	11.1	6.30	1380	2.40	0.76	1.9	88.0	1210
X967300		8.03	15.80	0.05	0.6	0.065	2.53	6.1	11.4	5.96	1160	0.71	0.77	2.1	79.6	1220
X967301		8.16	18.40	0.07	0.8	0.073	1.79	6.8	7.1	4.08	1060	1.03	1.56	1.8	30.8	1870
X967302		4.67	16.95	0.07	1.0	0.054	1.24	8.0	8.2	1.50	983	5.79	2.41	3.2	14.9	620
X967303		3.28	19.55	0.08	1.2	0.060	1.36	8.3	6.5	1.31	496	1.57	5.12	6.4	13.0	1230
X967304		7.04	12.15	0.06	0.9	0.043	3.13	4.5	21.2	8.82	1210	0.23	0.36	1.6	369	990
X967305		4.22	20.1	0.07	1.2	0.084	0.97	10.1	4.5	1.32	548	1.63	5.31	6.0	16.7	1210
X967306		8.13	16.25	0.08	0.7	0.042	2.56	8.0	10.7	4.20	1120	0.80	2.10	2.4	46.1	1790
X967307		8.49	17.25	0.06	0.8	0.056	2.40	6.9	10.6	3.49	1010	1.09	2.29	2.2	27.2	2020
X967308		7.77	16.30	<0.05	0.6	0.060	2.15	7.8	10.8	5.46	1100	0.84	1.23	3.0	69.6	1320
X967309		8.32	14.05	0.06	0.6	0.061	2.49	6.8	11.8	6.31	1380	0.43	1.01	3.0	76.3	1200
X967310		7.94	12.20	0.06	0.6	0.049	2.68	7.3	15.3	7.29	1320	0.87	0.81	3.0	186.0	1160
X967311		8.98	11.95	0.09	1.4	1.840	0.47	11.2	25.9	2.64	514	12.55	0.10	2.9	30.9	430
X967312		7.26	15.90	<0.05	0.8	0.054	1.47	9.2	6.7	4.15	1050	0.89	2.33	3.9	41.9	1720
X967313		8.00	14.45	0.05	0.7	0.058	1.91	7.4	8.7	4.55	1150	1.68	2.17	3.0	42.1	1710
X967314		8.06	16.25	<0.05	1.0	0.068	1.62	8.7	8.3	5.09	1310	1.08	1.91	3.4	60.4	1540
X967315		7.98	14.70	0.06	0.6	0.061	1.91	7.3	9.6	5.72	1300	0.49	1.35	2.9	68.4	1300
X967316		8.19	16.00	0.06	0.6	0.059	1.99	7.6	10.4	5.78	1240	0.69	1.34	3.1	71.9	1360
X967317		7.54	11.40	<0.05	0.7	0.051	1.92	5.9	9.9	5.52	1070	0.74	1.92	1.5	48.6	1470
X967318		7.89	13.40	0.09	0.5	0.064	1.82	7.0	9.7	5.78	1220	0.61	1.32	2.8	67.2	1290



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Project: KORE FG

CERTIFICATE OF ANALYSIS VA18288865

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
X967279		2.0	62.4	<0.002	1.03	0.84	33.8	1	0.6	458	0.14	0.23	0.92	0.360	0.57	0.6
X967280		2.3	53.2	<0.002	0.37	0.83	40.1	1	0.6	385	0.11	0.08	1.11	0.381	0.52	0.5
X967281		3.1	49.7	<0.002	0.09	1.00	39.5	<1	0.7	587	0.13	<0.05	1.07	0.413	0.52	0.5
X967282		3.3	54.3	<0.002	0.16	0.91	40.7	<1	0.6	526	0.12	<0.05	1.01	0.411	0.55	0.5
X967283		2.1	60.5	<0.002	0.43	0.84	40.8	1	0.7	383	0.14	0.09	1.06	0.411	0.61	0.5
X967284		4140	16.9	0.017	>10.0	169.5	4.7	105	19.9	78.2	0.14	0.23	1.57	0.081	14.30	2.0
X967285		2.9	61.3	<0.002	2.87	0.81	45.6	1	0.7	178.0	0.07	1.30	1.68	0.355	0.60	0.7
X967286		2.5	60.4	<0.002	0.33	1.12	47.9	<1	0.7	700	0.11	0.09	1.08	0.372	0.58	0.5
X967287		4.0	11.1	<0.002	0.17	1.44	10.6	<1	0.8	1770	0.18	<0.05	1.45	0.340	0.38	0.7
X967288		2.1	44.2	<0.002	0.23	1.30	38.1	<1	0.6	1180	0.09	0.05	1.15	0.283	0.46	0.6
X967289		1.5	65.6	<0.002	0.02	1.02	40.5	<1	0.5	372	0.13	<0.05	0.90	0.411	0.58	0.5
X967290		3.7	19.0	<0.002	0.08	1.44	34.0	<1	0.6	1510	0.13	<0.05	1.06	0.450	0.31	0.6
X967291		3.1	19.4	0.002	0.09	2.47	33.8	<1	0.6	1620	0.14	<0.05	1.06	0.421	0.30	0.6
X967292		1.6	46.1	<0.002	0.01	1.00	41.6	<1	0.5	402	0.13	<0.05	0.76	0.391	0.41	0.4
X967293		7.4	13.8	0.002	0.01	0.47	16.1	<1	1.1	476	0.22	<0.05	2.00	0.302	0.22	0.9
X967294		1.8	51.1	0.002	0.01	1.02	43.7	<1	0.6	434	0.12	<0.05	0.80	0.408	0.44	0.4
X967295		2.0	40.7	<0.002	0.02	1.21	39.7	<1	0.6	596	0.14	0.11	0.85	0.414	0.37	0.4
X967296		2.4	34.0	<0.002	0.13	1.58	34.1	1	0.8	1360	0.14	<0.05	1.19	0.441	0.38	0.6
X967297		1.3	44.6	0.002	0.03	1.32	37.7	<1	0.6	466	0.14	0.05	0.84	0.414	0.36	0.4
X967298		1.8	56.6	0.002	1.18	1.41	29.3	1	0.7	1500	0.11	0.19	1.11	0.455	0.69	0.7
X967299		8.9	56.8	<0.002	0.03	1.38	39.4	<1	0.6	557	0.13	<0.05	0.83	0.406	0.48	0.4
X967300		2.0	53.2	0.002	0.08	1.31	34.7	<1	0.6	829	0.13	<0.05	0.73	0.419	0.51	0.4
X967301		2.5	38.8	0.002	0.64	1.53	38.4	<1	0.8	1860	0.12	0.05	1.38	0.396	0.42	0.7
X967302		7.3	14.7	0.002	0.01	0.45	16.6	<1	1.2	479	0.22	<0.05	2.02	0.300	0.21	0.9
X967303		2.1	15.0	0.002	0.35	0.66	6.9	<1	0.7	956	0.45	0.07	2.28	0.260	0.23	1.3
X967304		<0.5	68.9	<0.002	0.01	1.42	34.8	<1	0.4	127.0	0.09	<0.05	0.77	0.293	0.48	0.4
X967305		1.7	14.9	<0.002	0.71	0.66	8.8	1	0.7	1050	0.42	0.39	2.65	0.262	0.24	1.4
X967306		1.5	63.8	<0.002	0.28	0.90	32.0	<1	0.6	1090	0.15	0.08	1.25	0.429	0.74	0.7
X967307		2.0	46.0	0.002	0.56	1.01	29.5	<1	0.8	1450	0.14	0.25	1.19	0.441	0.76	0.8
X967308		1.9	50.8	<0.002	0.13	1.11	35.6	<1	0.7	927	0.18	<0.05	0.97	0.435	0.54	0.5
X967309		1.7	58.0	<0.002	0.01	0.97	36.8	<1	0.6	566	0.19	<0.05	0.90	0.456	0.61	0.4
X967310		1.0	69.4	0.002	0.01	1.34	35.0	<1	0.5	511	0.18	<0.05	0.89	0.424	0.68	0.4
X967311		1070	16.7	0.022	7.05	45.0	6.1	28	17.7	73.0	0.21	0.31	2.56	0.121	6.52	2.5
X967312		2.7	34.3	0.002	0.53	1.11	26.4	1	0.6	1670	0.24	0.05	1.14	0.441	0.37	0.5
X967313		2.1	49.8	<0.002	0.64	1.00	33.3	1	0.6	1280	0.18	0.05	1.22	0.414	0.47	0.6
X967314		2.4	39.9	<0.002	0.31	1.16	33.5	<1	0.6	1010	0.20	<0.05	1.10	0.464	0.42	0.5
X967315		2.0	45.8	<0.002	0.04	0.98	35.3	<1	0.6	610	0.18	<0.05	0.87	0.434	0.54	0.5
X967316		2.0	48.5	<0.002	0.03	1.00	36.4	<1	0.6	590	0.18	<0.05	0.93	0.449	0.54	0.5
X967317		1.0	54.5	<0.002	0.92	1.02	47.3	<1	0.5	699	0.09	0.06	1.42	0.277	0.53	0.7
X967318		2.2	50.1	<0.002	0.03	0.96	37.7	<1	0.6	493	0.17	<0.05	0.92	0.433	0.47	0.4



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X967279		250	0.5	11.5	89	12.6	
X967280		261	0.6	11.7	49	13.7	
X967281		281	0.4	12.1	49	12.2	
X967282		274	0.3	11.9	48	11.0	
X967283		268	0.5	12.1	42	13.5	
X967284		66	4.4	7.3	>10000	28.4	1.365
X967285		337	0.9	10.4	40	15.1	
X967286		267	0.4	10.9	45	14.4	
X967287		217	0.3	12.0	29	24.6	
X967288		219	0.4	10.0	36	15.0	
X967289		269	0.3	12.1	54	10.3	
X967290		289	0.4	13.4	52	18.0	
X967291		283	0.3	12.9	65	17.4	
X967292		260	0.3	10.9	79	9.2	
X967293		138	1.4	15.3	63	16.5	
X967294		268	0.3	11.6	87	11.2	
X967295		282	0.3	12.3	86	13.2	
X967296		286	0.4	14.1	58	19.4	
X967297		281	0.4	11.8	62	15.8	
X967298		349	0.7	13.1	43	15.6	
X967299		270	0.8	11.4	58	13.2	
X967300		294	0.5	11.8	54	13.4	
X967301		305	0.7	12.8	36	19.3	
X967302		138	1.4	16.1	61	16.1	
X967303		156	0.3	11.8	18	36.4	
X967304		204	0.3	8.9	57	14.2	
X967305		159	0.3	13.2	21	37.6	
X967306		311	0.6	12.8	42	15.4	
X967307		333	0.5	12.8	41	19.0	
X967308		278	0.4	13.1	45	14.7	
X967309		295	0.4	12.1	72	11.7	
X967310		261	0.3	12.0	66	12.0	
X967311		76	1.9	9.2	7560	42.4	
X967312		268	0.4	13.2	48	16.9	
X967313		277	0.4	12.6	49	16.4	
X967314		292	0.4	13.8	64	16.8	
X967315		281	0.3	12.2	71	18.4	
X967316		289	0.4	13.0	64	14.2	
X967317		222	0.8	9.7	36	19.1	
X967318		287	0.4	12.4	60	14.3	



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	
X967319		1.88	<0.005	0.10	6.98	15.1	570	0.97	0.07	8.22	0.07	16.90	47.6	190	1.14	122.0
X967320		1.72	<0.005	0.10	6.97	16.0	590	0.90	0.06	8.14	0.09	15.85	48.0	203	1.22	122.0
X967321		3.90	<0.005	0.10	6.72	11.9	500	0.96	0.07	7.89	0.10	17.70	43.6	180	1.16	144.0



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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	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	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
X967319		8.15	13.00	0.08	0.6	0.064	1.59	6.8	9.6	5.93	1440	0.62	1.58	2.7	74.3	1320
X967320		8.09	13.10	0.09	0.6	0.059	1.63	6.7	10.0	5.89	1440	0.55	1.57	2.7	75.7	1310
X967321		7.84	13.35	0.07	0.5	0.057	1.49	7.2	8.5	5.48	1380	0.56	1.53	2.9	64.5	1350



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CERTIFICATE OF ANALYSIS VA18288865

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
X967319		2.4	42.4	<0.002	0.10	1.02	38.7	1	0.7	761	0.16	<0.05	0.91	0.444	0.40	0.4
X967320		2.1	44.5	<0.002	0.09	1.04	39.8	1	0.7	734	0.16	<0.05	0.86	0.445	0.40	0.4
X967321		2.1	41.6	<0.002	0.09	0.95	36.2	1	0.6	588	0.17	<0.05	0.92	0.441	0.38	0.4



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X967319		286	0.3	12.6	86	13.2	
X967320		283	0.3	12.8	86	12.9	
X967321		279	0.3	12.8	92	14.2	



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CERTIFICATE OF ANALYSIS VA18288865

CERTIFICATE COMMENTS													
	ANALYTICAL COMMENTS												
Applies to Method:	REE's may not be totally soluble in this method. ME- MS61												
	LABORATORY ADDRESSES												
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au- AA23</td> <td>CRU- 31</td> <td>CRU- QC</td> <td>DISP- 01</td> </tr> <tr> <td>LOG- 22</td> <td>LOG- 23</td> <td>ME- MS61</td> <td>ME- OG62</td> </tr> <tr> <td>PUL- 31</td> <td>SPL- 21</td> <td>WEI- 21</td> <td>Zn- OG62</td> </tr> </table>	Au- AA23	CRU- 31	CRU- QC	DISP- 01	LOG- 22	LOG- 23	ME- MS61	ME- OG62	PUL- 31	SPL- 21	WEI- 21	Zn- OG62
Au- AA23	CRU- 31	CRU- QC	DISP- 01										
LOG- 22	LOG- 23	ME- MS61	ME- OG62										
PUL- 31	SPL- 21	WEI- 21	Zn- OG62										



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CERTIFICATE VA18294775

Project: KORE FG

This report is for 220 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 20- NOV- 2018.

The following have access to data associated with this certificate:

JAMES HYNES		
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SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
DISP- 01	Disposal of all sample fractions
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Zn- OG62	Ore Grade Zn - Four Acid	
Au- AA23	Au 30g FA- AA finish	AAS

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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To: KORE MINING LTD.
 2200 - 885 W GEORGIA STREET
 VANCOUVER BC V6E 3E8

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Project: KORE FG

CERTIFICATE OF ANALYSIS VA18294775

Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
X967322		4.72	0.008	0.14	7.90	0.8	680	1.03	0.45	7.88	0.18	15.60	35.1	82	0.52	290
X967323		3.90	0.005	0.14	7.67	0.6	670	0.96	0.46	7.81	0.13	15.35	34.3	92	0.55	227
X967324		3.30	0.006	0.13	7.53	0.2	700	0.83	0.42	7.67	0.15	15.20	34.5	80	0.49	247
X967325		3.30	0.008	0.19	7.52	<0.2	1570	0.98	0.46	6.45	0.11	15.25	39.9	104	0.83	338
X967326		3.50	0.025	0.32	7.27	0.5	1720	1.00	0.92	5.38	0.14	17.45	61.9	102	1.39	630
X967327		3.62	0.040	0.20	7.25	0.9	1470	1.24	0.49	7.68	0.13	18.95	39.1	103	1.38	353
X967328		3.94	0.267	0.20	7.06	0.7	1640	0.98	0.58	6.06	0.08	17.05	45.3	97	1.24	277
X967329		0.14	0.302	17.75	3.36	262	100	0.52	10.75	2.24	46.3	22.1	16.7	47	0.98	2220
X967330		2.86	0.130	0.63	5.44	0.5	730	0.40	0.85	11.20	0.21	10.05	89.0	71	3.23	2190
X967331		3.08	0.608	0.39	5.35	2.9	140	0.89	0.99	6.53	0.23	9.25	139.0	156	1.57	989
X967332		4.28	0.015	0.13	6.85	0.7	1320	1.15	0.30	7.97	0.11	14.75	38.9	151	1.11	268
X967333		5.22	0.005	0.10	6.38	0.6	930	1.11	0.26	8.99	0.10	14.95	41.6	150	0.62	298
X967334		4.82	0.008	0.15	6.09	0.2	600	1.21	0.35	8.83	0.10	19.80	38.7	161	0.66	429
X967335		5.12	0.005	0.03	6.28	0.8	420	1.16	0.13	9.44	0.10	23.4	36.8	172	0.54	116.0
X967336		5.26	<0.005	0.05	6.40	0.2	650	1.10	0.15	9.31	0.07	18.15	40.1	166	0.66	160.0
X967337		5.08	0.099	0.18	6.06	0.4	670	0.88	0.19	9.25	0.11	13.75	39.7	207	0.96	156.5
X967338		0.12	0.920	57.7	2.28	1520	70	0.32	25.4	2.08	80.8	13.85	44.5	58	1.12	4820
X967339		5.28	0.005	0.10	6.82	0.7	690	0.99	0.27	8.60	0.11	25.2	34.3	170	0.81	209
X967340		4.02	<0.005	0.05	6.43	0.4	580	0.92	0.15	8.71	0.10	20.9	27.8	205	0.82	106.0
X967341		3.74	0.005	0.16	6.77	0.5	970	0.78	0.48	7.92	0.10	17.80	42.5	172	0.98	283
X967342		1.92	0.104	0.83	6.38	0.3	910	0.76	6.77	7.58	0.13	18.95	71.9	153	0.85	771
X967343		4.62	<0.005	0.04	6.67	0.2	870	0.85	0.13	8.37	0.12	18.15	36.6	180	0.86	127.5
X967344		4.70	<0.005	0.08	7.10	2.7	650	0.74	0.09	8.89	0.25	15.95	36.4	140	0.77	125.5
X967345		5.00	0.005	0.04	6.77	1.6	700	0.82	0.15	9.08	0.14	17.15	36.6	157	0.76	108.0
X967346		3.86	0.009	0.11	6.97	0.7	910	0.84	0.24	8.53	0.18	17.05	36.6	157	0.80	228
X967347		0.30	<0.005	0.10	8.58	1.7	640	0.72	0.12	4.56	0.11	26.4	14.5	24	0.84	107.0
X967348		4.14	<0.005	0.32	6.85	1.7	1400	0.81	0.41	6.57	0.11	14.45	39.8	145	1.01	450
X967349		4.84	<0.005	0.01	4.86	19.5	390	0.62	0.07	7.59	0.07	11.25	62.1	801	0.33	5.6
X967350		3.06	0.015	0.38	7.94	1.4	1390	0.84	1.10	5.42	0.12	18.10	46.3	145	1.05	599
X967351		4.92	0.038	0.11	7.08	0.4	940	0.89	0.38	7.98	0.11	16.65	28.8	184	1.03	215
X967352		5.06	0.008	0.11	7.42	0.9	1350	1.08	0.43	7.06	0.08	16.80	28.5	151	0.99	335
X967353		4.90	<0.005	0.11	8.59	<0.2	1530	1.12	0.14	5.89	0.09	21.0	27.8	21	0.75	285
X967354		4.78	<0.005	0.10	8.41	0.3	1820	1.19	0.21	5.18	0.08	17.40	26.2	13	0.85	301
X967355		2.20	<0.005	0.09	8.80	0.4	1530	1.06	0.26	5.90	0.10	19.80	28.5	15	0.64	269
X967356		2.22	<0.005	0.11	8.99	<0.2	1520	1.06	0.30	6.14	0.10	20.7	30.6	12	0.64	275
X967357		4.98	<0.005	0.10	8.95	0.5	1640	1.18	0.19	5.72	0.07	20.0	27.6	13	0.75	246
X967358		4.98	<0.005	0.07	8.09	<0.2	1140	1.26	0.16	7.97	0.09	17.80	32.7	119	0.68	181.5
X967359		5.06	<0.005	0.07	7.18	<0.2	810	0.95	0.45	8.91	0.06	15.15	33.1	142	0.86	143.0
X967360		4.78	<0.005	0.09	9.18	0.3	1700	1.21	0.27	5.80	0.06	22.0	31.2	14	1.00	213
X967361		5.00	<0.005	0.06	9.04	3.2	1080	0.93	0.24	7.20	0.08	20.8	33.9	37	0.95	159.5



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Project: KORE FG

CERTIFICATE OF ANALYSIS VA18294775

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
X967322		7.63	17.10	0.09	0.7	0.079	1.49	7.6	4.3	3.82	1200	1.11	1.98	3.1	34.6	1600
X967323		7.51	16.30	0.08	0.7	0.077	1.61	7.5	4.5	4.07	1340	0.81	1.81	2.9	33.2	1530
X967324		7.20	16.75	0.08	0.7	0.083	1.48	7.4	4.1	3.73	1180	0.59	1.78	2.8	32.9	1540
X967325		8.47	17.25	0.11	0.7	0.095	2.61	7.7	7.6	4.30	1250	1.86	1.54	2.9	37.8	1520
X967326		10.55	17.15	0.11	0.7	0.109	3.21	8.7	10.1	4.08	1230	37.2	1.50	2.5	46.6	1360
X967327		9.11	19.75	0.08	0.7	0.117	2.59	9.6	8.3	4.40	1510	5.51	1.37	3.1	40.2	1420
X967328		9.23	16.50	0.09	0.8	0.152	2.33	8.9	6.5	3.77	1160	23.0	2.31	2.8	29.7	1410
X967329		8.81	12.20	0.15	1.2	1.780	0.46	11.7	29.8	2.61	506	12.45	0.10	3.1	30.1	410
X967330		13.55	14.65	0.09	0.9	0.092	3.67	5.0	10.0	3.62	1380	62.0	0.64	2.3	29.5	1640
X967331		17.00	15.00	0.11	0.7	0.196	2.18	4.2	6.8	4.52	1190	28.9	1.29	2.7	56.0	1090
X967332		8.68	15.50	0.08	0.8	0.095	2.36	6.8	7.1	5.15	1200	2.10	1.28	3.0	53.0	1390
X967333		8.57	13.80	0.10	0.8	0.079	1.68	6.9	5.2	5.06	1250	1.61	1.28	3.8	49.1	1410
X967334		8.53	14.40	0.08	0.9	0.083	1.45	9.4	4.8	5.15	1320	1.44	1.31	7.2	50.2	1670
X967335		7.89	14.65	0.08	1.0	0.081	1.15	11.3	4.0	5.34	1410	0.80	1.38	8.7	52.6	1700
X967336		8.00	14.70	0.08	1.0	0.075	1.53	8.6	5.0	5.40	1300	1.03	1.13	6.0	56.2	1510
X967337		8.55	12.95	0.08	0.6	0.079	1.82	6.3	5.8	6.18	1200	0.66	0.83	3.9	65.3	1280
X967338		22.0	7.87	0.38	0.7	3.94	0.50	7.7	12.8	1.00	799	8.32	0.05	2.1	26.3	340
X967339		8.77	15.45	0.09	1.0	0.086	1.63	12.8	5.1	5.18	1280	0.75	1.33	9.6	48.3	1800
X967340		8.30	14.50	0.07	1.0	0.095	1.53	9.9	4.7	5.61	1360	1.08	1.11	6.6	57.3	1570
X967341		9.31	14.70	0.08	0.8	0.095	2.07	8.6	6.4	5.20	1260	1.28	1.26	4.0	60.9	1420
X967342		11.90	14.80	0.09	1.0	0.118	1.79	9.5	5.5	4.42	1100	14.75	1.29	4.6	56.6	1490
X967343		8.47	15.00	0.07	0.9	0.099	1.88	8.8	5.6	5.34	1360	0.52	0.97	4.8	60.7	1450
X967344		7.68	15.45	0.06	0.9	0.079	1.57	7.5	4.8	4.95	1400	0.66	1.11	4.0	57.3	1350
X967345		8.02	14.45	0.07	0.8	0.089	1.56	8.1	4.7	5.07	1540	0.79	1.24	4.6	59.4	1420
X967346		8.85	15.85	0.07	0.9	0.105	1.77	7.9	5.5	5.01	1680	0.69	1.33	4.2	63.7	1350
X967347		4.91	17.10	0.10	1.0	0.056	1.33	11.4	8.4	1.62	982	6.16	2.52	3.7	13.8	620
X967348		10.10	16.20	0.09	0.7	0.108	2.42	6.9	7.7	5.13	1500	0.86	1.08	2.9	57.5	1290
X967349		6.98	9.94	0.06	0.9	0.049	0.71	5.1	13.4	12.15	1390	0.97	0.24	1.6	804	960
X967350		10.10	16.95	0.09	0.9	0.116	2.49	8.4	7.4	3.77	1180	0.68	1.98	2.8	59.4	1790
X967351		8.46	14.40	0.08	1.1	0.104	1.99	7.8	6.0	4.52	1460	1.47	1.40	3.1	64.9	1450
X967352		8.50	17.20	0.07	0.9	0.092	2.24	7.9	6.3	4.49	1320	1.94	1.45	3.9	57.9	1450
X967353		7.43	19.15	0.09	1.0	0.106	2.37	9.8	7.5	2.73	1050	0.82	2.18	2.2	15.3	2030
X967354		6.93	16.75	0.07	1.0	0.075	2.77	7.9	7.5	2.49	876	0.76	2.34	2.1	11.7	1970
X967355		7.00	17.85	0.09	1.0	0.079	2.24	9.5	6.6	2.48	943	0.72	2.41	2.2	11.5	1970
X967356		7.18	18.95	0.08	1.1	0.087	2.22	9.7	6.7	2.50	952	0.79	2.49	2.2	11.7	2020
X967357		6.83	18.35	0.09	1.0	0.069	2.47	9.1	6.8	2.45	889	0.80	2.72	2.3	10.8	2070
X967358		8.14	17.40	0.09	0.9	0.086	2.02	8.1	5.8	4.40	1420	0.62	1.73	3.1	46.4	1710
X967359		8.21	15.15	0.06	0.8	0.083	1.97	7.1	5.3	4.73	1460	1.40	1.39	2.4	49.1	1610
X967360		6.83	19.70	0.09	1.0	0.088	2.76	10.0	7.9	2.64	932	0.87	2.57	2.4	12.3	2080
X967361		6.96	18.90	0.09	0.9	0.093	2.37	10.1	6.8	3.30	1120	0.89	2.13	2.2	17.6	2010



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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
X967322		8.2	38.5	0.002	1.07	0.97	29.1	1	0.6	759	0.20	0.54	1.02	0.457	0.31	0.5
X967323		6.8	45.5	<0.002	0.98	1.15	30.3	2	0.6	813	0.17	0.57	0.97	0.458	0.34	0.5
X967324		6.5	43.2	<0.002	0.96	1.05	29.2	2	0.7	737	0.20	0.49	0.98	0.441	0.29	0.5
X967325		4.5	74.4	<0.002	1.37	1.05	34.0	2	1.1	648	0.17	0.58	1.03	0.458	0.50	0.6
X967326		5.2	96.8	0.030	2.32	1.13	33.7	4	1.2	500	0.14	1.67	1.14	0.400	0.66	0.8
X967327		5.9	85.6	0.006	1.27	1.49	32.1	2	1.5	1950	0.19	1.00	1.13	0.397	0.60	0.8
X967328		3.4	66.5	0.006	1.38	0.85	30.4	2	2.0	694	0.17	1.05	0.93	0.419	0.52	0.9
X967329		1050	17.8	0.018	6.88	43.8	6.0	30	18.6	71.5	0.24	0.32	2.73	0.112	6.57	2.5
X967330		4.8	149.5	0.091	3.00	0.35	29.6	4	1.5	610	0.15	1.90	1.37	0.264	1.26	1.0
X967331		4.8	66.7	0.025	4.53	0.69	38.7	5	3.7	268	0.17	1.91	0.74	0.365	0.59	0.8
X967332		4.3	71.5	0.007	0.79	0.88	42.5	1	1.1	478	0.18	0.51	0.83	0.439	0.51	0.5
X967333		4.3	47.7	0.004	1.11	0.90	40.4	1	0.9	756	0.21	0.31	0.82	0.428	0.33	0.4
X967334		3.9	47.8	0.002	0.99	1.01	42.2	1	0.8	591	0.39	0.46	1.31	0.453	0.38	0.6
X967335		3.8	39.0	<0.002	0.55	1.22	42.5	1	0.7	709	0.50	0.08	1.66	0.474	0.31	0.6
X967336		3.3	50.2	0.002	0.68	1.08	42.0	1	0.7	809	0.33	0.11	1.15	0.462	0.36	0.5
X967337		2.7	61.1	<0.002	0.69	0.96	42.2	1	0.7	446	0.24	0.21	0.87	0.432	0.49	0.4
X967338		4260	18.9	0.015	>10.0	177.0	4.6	114	19.1	79.6	0.14	0.30	1.53	0.078	14.35	2.1
X967339		4.1	56.7	<0.002	0.80	1.23	39.1	1	0.9	791	0.55	0.39	1.68	0.484	0.46	0.7
X967340		3.1	55.1	0.002	0.46	1.68	40.5	1	0.9	672	0.37	0.21	1.66	0.476	0.41	0.8
X967341		2.9	71.7	0.003	1.18	1.30	40.1	1	0.9	477	0.20	0.65	1.45	0.437	0.51	0.7
X967342		7.0	59.9	0.008	2.76	1.15	36.0	3	1.0	543	0.27	8.75	1.36	0.420	0.46	0.9
X967343		2.6	63.7	<0.002	0.52	1.32	39.9	1	0.8	515	0.27	0.16	1.33	0.457	0.50	0.6
X967344		3.5	53.2	<0.002	0.25	1.68	35.6	<1	0.7	1045	0.23	0.07	1.13	0.455	0.44	0.5
X967345		3.1	51.5	<0.002	0.42	1.36	39.9	1	0.8	794	0.26	0.14	1.27	0.463	0.38	0.6
X967346		5.4	55.9	0.002	0.87	1.61	40.7	1	0.9	1155	0.23	0.29	1.17	0.465	0.43	0.5
X967347		8.1	24.5	<0.002	0.01	0.48	17.5	<1	1.2	517	0.25	<0.05	3.08	0.306	0.19	1.4
X967348		3.3	72.9	<0.002	1.94	1.45	39.3	2	0.8	294	0.16	0.52	0.95	0.431	0.60	0.5
X967349		<0.5	20.1	<0.002	0.01	2.25	27.3	<1	0.5	81.5	0.11	0.15	1.01	0.329	0.16	0.6
X967350		3.8	73.1	<0.002	2.79	1.08	28.6	4	0.9	580	0.16	1.43	1.55	0.405	0.56	1.5
X967351		2.8	63.6	0.003	1.01	1.65	34.6	1	0.8	883	0.18	0.51	1.12	0.432	0.51	0.6
X967352		3.0	64.3	<0.002	1.32	1.88	34.7	2	0.8	990	0.23	0.41	1.05	0.462	0.48	0.5
X967353		2.3	49.2	<0.002	1.53	0.94	23.4	1	0.7	1175	0.13	0.09	1.74	0.423	0.44	0.9
X967354		3.1	52.0	<0.002	1.64	0.75	19.7	1	0.7	775	0.13	0.22	1.66	0.416	0.52	0.8
X967355		3.0	50.1	<0.002	1.60	0.88	20.7	1	0.8	976	0.13	0.33	1.85	0.421	0.42	0.9
X967356		3.1	48.4	<0.002	1.60	0.93	21.4	1	0.9	1060	0.14	0.34	1.97	0.421	0.45	0.9
X967357		2.8	47.5	0.002	1.40	1.06	20.4	<1	0.8	1120	0.13	0.16	1.89	0.430	0.51	1.0
X967358		2.6	51.9	<0.002	0.99	1.42	32.2	<1	0.8	850	0.18	0.14	1.14	0.479	0.42	0.5
X967359		1.9	59.1	0.002	0.87	1.16	36.1	<1	0.6	835	0.16	0.44	1.07	0.411	0.49	0.5
X967360		2.2	60.5	<0.002	1.13	0.90	22.7	<1	0.8	1110	0.14	0.23	1.99	0.439	0.62	1.0
X967361		2.5	65.2	0.002	0.69	1.38	26.2	<1	0.8	962	0.13	0.23	1.97	0.428	0.54	1.0



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X967322		286	1.1	15.2	54	16.2	
X967323		286	1.2	14.7	54	16.1	
X967324		273	1.4	14.8	48	17.0	
X967325		297	1.9	14.9	57	20.2	
X967326		259	1.6	14.0	61	19.7	
X967327		264	1.6	14.0	51	18.9	
X967328		265	1.4	15.6	35	20.5	
X967329		74	1.8	9.7	7350	42.2	
X967330		215	0.8	8.6	54	15.9	
X967331		278	1.9	13.0	60	19.9	
X967332		286	1.1	13.7	46	23.4	
X967333		271	0.9	13.3	39	20.9	
X967334		284	1.1	13.5	45	24.6	
X967335		281	1.0	14.2	45	28.2	
X967336		278	0.8	13.7	43	28.9	
X967337		271	0.7	11.2	41	18.2	
X967338		68	4.7	7.9	>10000	26.1	1.420
X967339		280	1.1	14.2	51	33.9	
X967340		269	1.2	13.4	62	28.1	
X967341		266	1.0	13.7	54	25.0	
X967342		251	1.2	14.0	46	23.2	
X967343		282	1.2	13.8	49	24.3	
X967344		291	1.1	13.5	49	21.9	
X967345		286	1.1	13.4	50	24.0	
X967346		287	1.2	13.8	65	24.0	
X967347		144	1.8	20.4	66	19.1	
X967348		290	1.2	13.3	68	20.2	
X967349		189	0.5	12.4	82	29.6	
X967350		259	1.1	15.8	51	22.9	
X967351		279	1.0	14.4	53	22.3	
X967352		291	1.3	14.8	53	21.5	
X967353		282	1.0	17.3	39	26.2	
X967354		272	0.9	16.0	38	30.2	
X967355		269	0.8	16.7	39	27.6	
X967356		274	0.8	17.4	39	28.8	
X967357		277	0.8	17.5	37	30.4	
X967358		298	1.0	16.1	52	25.3	
X967359		283	0.8	13.5	44	21.0	
X967360		284	0.8	18.2	35	29.6	
X967361		281	0.9	16.8	36	25.3	



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	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
X967362		4.88	0.005	0.09	8.71	<0.2	1200	0.95	0.19	8.71	0.08	20.9	26.8	20	0.78	160.0
X967363		4.88	0.005	0.07	7.26	0.7	640	1.03	0.18	8.54	0.09	16.55	36.3	133	0.84	196.0
X967364		0.12	0.467	17.60	3.43	263	170	0.45	10.45	2.30	45.3	21.7	17.1	48	0.97	2260
X967365		3.96	0.005	0.07	7.04	1.3	510	0.88	0.10	9.00	0.13	15.65	42.7	148	0.76	193.5
X967366		4.66	<0.005	0.08	7.48	10.0	800	1.07	0.09	8.56	0.14	18.45	36.2	172	0.96	130.5
X967367		3.98	<0.005	0.07	7.55	4.6	790	1.06	0.12	7.66	0.21	18.50	34.0	175	1.03	134.0
X967368		3.30	<0.005	0.05	7.01	1.1	770	1.13	0.08	8.25	0.13	16.60	32.5	152	1.15	136.5
X967369		3.88	<0.005	0.02	7.48	3.4	600	0.99	0.06	8.21	0.29	16.05	33.3	154	0.94	75.7
X967370		3.56	0.006	0.04	7.09	0.2	540	0.96	0.11	8.24	0.15	15.85	36.0	157	0.92	124.5
X967371		4.60	0.577	0.13	9.20	0.5	820	0.91	0.10	7.41	0.10	19.30	30.7	7	0.67	175.0
X967372		4.84	0.033	0.08	7.25	7.5	540	0.96	0.07	8.69	0.16	16.15	39.2	164	0.87	133.5
X967373		0.14	0.937	53.9	2.21	1450	50	0.32	23.9	1.99	74.7	13.45	44.3	55	1.12	4630
X967374		5.16	0.006	0.10	7.60	3.5	460	0.86	0.09	8.71	0.18	16.85	37.3	118	0.72	183.5
X967375		2.36	<0.005	0.14	7.75	0.2	1770	2.59	0.29	8.45	0.16	11.10	35.1	97	0.20	303
X967376		2.72	<0.005	0.15	7.50	0.4	870	0.69	0.22	7.46	0.20	17.85	41.8	181	0.73	384
X967377		4.22	<0.005	0.08	7.30	2.7	560	0.77	0.08	8.30	0.22	18.70	47.0	156	0.92	149.5
X967378		2.36	0.005	0.07	7.46	7.9	560	0.84	0.05	8.02	0.19	18.05	42.0	169	1.17	125.5
X967379		2.30	0.038	0.25	8.46	1.7	330	0.58	0.07	8.62	0.14	19.50	25.8	23	0.26	195.5
X967380		4.66	<0.005	0.05	6.89	9.7	510	0.85	0.04	8.23	0.12	15.90	40.5	198	1.09	58.9
X967381		5.36	<0.005	0.14	7.17	12.0	530	0.89	0.04	8.33	0.18	16.85	39.4	171	0.92	132.0
X967382		0.30	<0.005	0.06	8.44	2.1	610	0.62	0.11	4.35	0.09	25.5	13.9	23	0.81	98.3
X967383		3.58	<0.005	0.21	7.33	10.2	630	0.93	0.05	8.13	0.33	17.85	41.1	159	1.09	237
X967384		3.06	<0.005	0.06	7.82	2.2	730	0.82	0.04	7.95	0.08	18.80	39.7	132	0.94	128.5
X967385		2.30	<0.005	0.13	7.89	5.8	650	0.88	0.04	8.23	0.17	19.65	38.4	134	0.74	163.5
X967386		2.14	0.022	0.11	8.91	9.6	470	0.65	0.06	10.35	0.11	18.65	35.6	100	0.35	113.5
X967387		4.70	<0.005	0.10	7.18	5.6	710	0.95	0.04	8.03	0.12	17.00	41.7	170	0.77	133.0
X967388		5.32	<0.005	0.07	7.05	6.3	670	0.98	0.03	8.04	0.13	17.00	43.6	185	1.13	89.4
X967389		2.36	<0.005	0.08	6.88	4.8	620	0.88	0.03	7.78	0.24	16.15	38.7	173	1.08	96.4
X967390		2.68	<0.005	0.07	6.75	4.7	610	1.00	0.03	7.66	0.17	16.85	39.6	184	1.12	73.1
X967391		1.88	<0.005	0.12	8.55	0.5	540	0.66	0.09	6.72	0.22	21.4	30.7	67	1.12	219
X967392		3.96	<0.005	0.08	7.10	4.8	740	0.95	0.18	7.10	0.26	17.05	37.6	186	1.34	21.4
X967393		4.66	<0.005	0.07	8.43	0.9	590	0.67	0.06	7.41	0.17	20.6	35.4	25	0.63	230
X967394		3.32	0.312	0.26	8.45	0.3	450	0.74	0.09	6.19	0.50	22.9	33.1	48	0.90	316
X967395		4.38	<0.005	0.06	6.91	3.3	740	0.97	0.06	7.72	0.19	17.20	38.7	205	1.22	85.0
X967396		3.38	0.015	0.17	7.44	0.8	600	0.73	0.41	8.01	0.23	16.95	33.3	141	0.83	67.9
X967397		4.84	<0.005	0.08	6.90	4.9	700	0.85	0.05	7.76	0.16	15.75	39.6	171	1.12	100.0
X967398		4.80	<0.005	0.17	6.22	3.4	530	0.86	0.05	7.77	0.20	14.95	35.7	193	0.92	236
X967399		4.62	<0.005	0.10	6.43	5.9	560	0.94	0.05	8.13	0.14	14.35	35.6	181	0.94	172.0
X967400		0.14	0.282	17.15	3.11	255	130	0.43	9.67	2.10	44.7	20.6	16.3	45	0.96	2080
X967401		3.76	<0.005	0.09	6.86	3.5	740	0.90	0.06	7.96	0.10	15.10	32.7	157	0.84	112.5



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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
X967362		6.22	18.10	0.08	0.9	0.077	2.13	9.3	6.1	2.64	1020	0.89	2.20	2.0	14.6	1870
X967363		8.18	16.00	0.08	0.7	0.080	1.66	7.2	4.9	4.33	1540	1.70	1.61	2.8	50.8	1540
X967364		9.00	12.25	0.14	1.2	1.870	0.47	11.0	25.7	2.65	515	12.65	0.10	3.0	31.0	410
X967365		7.78	14.50	0.08	0.7	0.068	1.44	6.6	4.6	4.39	1500	2.81	1.65	3.0	62.1	1450
X967366		7.09	15.45	0.10	0.9	0.064	1.88	8.0	6.2	4.51	1430	0.87	1.80	3.3	88.2	1650
X967367		7.52	15.05	0.08	0.9	0.079	1.99	8.1	6.4	4.62	1500	0.88	1.80	3.4	75.8	1720
X967368		7.51	14.20	0.07	0.7	0.077	2.08	7.3	6.9	4.45	1560	0.42	1.62	3.0	55.8	1480
X967369		7.56	15.05	0.08	0.6	0.073	1.76	7.0	5.6	4.56	1480	0.81	1.74	2.9	55.7	1570
X967370		7.88	14.80	0.09	0.6	0.079	1.73	7.0	5.1	4.66	1500	0.90	1.44	2.9	52.9	1480
X967371		6.38	18.50	0.09	0.8	0.057	1.70	8.6	5.0	2.38	963	0.73	2.58	2.2	9.8	2020
X967372		7.80	15.30	0.08	0.6	0.083	1.48	7.1	4.6	4.65	1520	0.64	1.55	3.1	56.0	1480
X967373		21.1	7.84	0.40	0.8	3.87	0.48	7.1	11.3	0.91	732	8.29	0.05	2.0	26.5	320
X967374		7.79	16.15	0.08	0.6	0.071	1.27	7.4	3.7	4.28	1390	0.75	1.63	3.0	45.0	1600
X967375		7.25	15.05	0.07	0.5	0.075	2.85	4.8	3.2	3.48	1380	0.68	1.41	1.8	43.8	1100
X967376		8.96	17.60	0.07	1.1	0.111	1.92	8.0	6.8	4.91	1490	0.85	1.21	3.1	66.7	1540
X967377		7.87	16.00	0.09	1.2	0.083	1.64	8.3	4.6	4.69	1380	0.79	1.51	3.4	57.0	1450
X967378		7.85	16.40	0.08	0.7	0.084	1.93	8.1	6.1	4.92	1410	0.95	1.44	3.1	60.8	1450
X967379		6.14	17.90	0.08	0.9	0.066	0.72	8.8	2.2	2.67	1020	0.72	2.37	2.5	17.0	1880
X967380		7.92	14.95	0.08	0.7	0.065	1.89	7.1	5.8	5.33	1330	0.75	1.02	2.9	64.4	1370
X967381		7.75	14.45	0.07	0.9	0.066	1.74	7.4	5.4	5.17	1220	0.73	1.25	3.1	59.7	1400
X967382		4.71	15.65	0.09	0.9	0.061	1.28	10.4	7.2	1.55	941	5.73	2.41	3.3	13.4	600
X967383		7.92	15.85	0.09	0.8	0.074	2.01	7.9	6.6	5.16	1240	0.68	1.20	3.0	61.1	1470
X967384		7.73	15.40	0.08	0.9	0.075	1.95	8.3	6.4	4.81	1240	0.73	1.66	3.0	50.9	1640
X967385		7.51	16.90	0.09	0.9	0.067	1.59	8.9	5.5	4.71	1280	0.59	1.72	3.0	56.8	1540
X967386		7.03	19.50	0.07	0.9	0.060	0.95	8.5	3.0	3.96	1200	0.19	1.78	2.3	51.0	1470
X967387		7.88	14.80	0.08	0.8	0.059	1.70	7.6	6.1	5.17	1360	0.64	1.32	2.9	61.4	1400
X967388		8.22	14.95	0.07	0.9	0.069	2.01	7.5	7.2	5.67	1330	0.90	1.23	2.5	67.0	1430
X967389		7.72	14.25	0.09	0.9	0.068	1.94	7.1	6.6	5.39	1320	0.72	1.19	2.6	60.8	1450
X967390		7.85	14.00	0.08	0.7	0.064	1.94	7.2	6.8	5.49	1340	0.71	1.15	2.6	63.4	1410
X967391		7.41	17.00	0.07	1.1	0.088	2.03	9.4	6.7	3.43	1320	1.16	2.43	2.6	27.5	1980
X967392		7.78	14.50	0.06	0.6	0.069	2.32	7.5	7.5	5.35	1580	0.74	1.31	2.9	61.8	1450
X967393		6.76	15.60	0.06	1.0	0.083	1.43	8.8	4.4	2.94	1270	0.38	2.81	2.4	17.7	2170
X967394		6.50	17.25	0.07	1.0	0.068	1.48	10.7	4.8	2.89	1200	0.75	3.21	4.9	23.6	1830
X967395		8.36	14.35	0.08	0.8	0.077	2.20	7.5	7.3	5.53	1630	0.64	1.18	2.9	63.0	1350
X967396		7.49	15.45	0.08	0.7	0.074	1.74	7.5	6.1	4.68	1450	0.62	1.69	2.5	57.0	1410
X967397		7.81	14.25	0.07	0.7	0.062	2.06	6.9	7.3	5.42	1410	0.56	1.18	2.5	61.0	1440
X967398		7.75	14.55	0.10	0.8	0.081	1.72	6.9	6.9	5.10	1320	0.71	1.09	2.3	64.6	1270
X967399		7.14	14.00	0.11	0.7	0.058	1.76	6.7	7.1	5.07	1180	0.47	1.19	2.5	59.6	1290
X967400		8.22	12.05	0.15	1.3	1.730	0.43	10.7	26.6	2.41	468	11.90	0.09	3.0	29.5	380
X967401		7.15	15.00	0.10	0.7	0.068	1.93	7.1	7.6	4.72	1170	0.60	1.26	2.9	48.9	1310



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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
X967362		3.0	52.8	<0.002	0.85	1.10	22.4	1	0.7	1690	0.13	0.16	1.78	0.399	0.50	0.9
X967363		3.0	49.2	<0.002	0.88	1.13	33.7	1	0.7	824	0.17	0.15	0.96	0.436	0.45	0.5
X967364		1075	17.2	0.011	7.04	44.7	6.0	30	17.5	75.6	0.24	0.28	2.62	0.113	6.72	2.5
X967365		3.4	43.8	0.002	0.69	1.07	34.8	1	0.6	731	0.20	<0.05	0.94	0.441	0.43	0.4
X967366		3.1	54.1	<0.002	0.27	1.41	33.1	<1	0.6	932	0.21	0.07	1.37	0.435	0.54	0.6
X967367		10.0	57.7	<0.002	0.41	1.38	33.1	<1	0.7	1020	0.22	0.25	1.27	0.459	0.51	0.6
X967368		3.8	64.8	<0.002	0.45	1.14	35.2	<1	0.6	628	0.19	0.06	0.96	0.433	0.59	0.5
X967369		4.1	53.0	<0.002	0.34	0.93	33.6	<1	0.6	731	0.19	0.05	1.00	0.446	0.51	0.5
X967370		4.8	52.8	<0.002	0.50	1.14	35.2	1	0.6	985	0.17	0.07	0.95	0.436	0.55	0.5
X967371		4.5	34.5	<0.002	0.87	1.27	19.6	1	0.5	1670	0.13	0.07	1.72	0.415	0.47	0.9
X967372		3.4	46.7	<0.002	0.36	1.32	36.4	1	0.7	951	0.18	<0.05	0.98	0.435	0.43	0.5
X967373		4060	17.9	0.015	>10.0	171.5	4.6	115	17.9	80.6	0.15	0.24	1.48	0.078	14.25	2.0
X967374		5.4	40.8	<0.002	0.51	1.46	30.8	1	0.6	1245	0.19	0.05	1.03	0.443	0.40	0.5
X967375		5.1	35.7	<0.002	1.28	1.30	23.2	1	0.7	868	0.12	0.27	0.81	0.302	0.28	0.4
X967376		5.8	50.4	<0.002	1.22	1.41	34.8	1	0.7	763	0.20	0.46	1.25	0.436	0.49	0.6
X967377		6.1	55.6	<0.002	0.55	1.19	36.1	<1	0.7	628	0.23	0.13	1.16	0.450	0.55	0.5
X967378		4.7	64.0	<0.002	0.25	1.34	36.3	<1	1.0	886	0.20	0.07	1.08	0.435	0.64	0.5
X967379		6.4	16.5	<0.002	0.55	1.73	20.8	1	0.7	2250	0.16	0.11	1.81	0.437	0.18	0.8
X967380		3.3	60.9	<0.002	0.04	1.37	37.8	<1	0.6	716	0.19	<0.05	1.04	0.430	0.62	0.5
X967381		3.6	51.5	<0.002	0.03	1.32	34.9	<1	0.6	646	0.20	0.06	1.09	0.443	0.55	0.5
X967382		7.6	23.9	<0.002	0.01	0.48	17.3	<1	1.1	498	0.22	<0.05	2.59	0.289	0.18	1.1
X967383		3.3	60.5	<0.002	0.06	1.54	35.8	1	0.6	876	0.19	0.05	1.08	0.437	0.64	0.5
X967384		3.2	55.1	<0.002	0.39	1.45	33.3	<1	0.6	1150	0.19	0.07	1.31	0.457	0.54	0.6
X967385		3.8	45.7	<0.002	0.18	1.54	33.2	<1	0.7	913	0.21	0.09	1.44	0.421	0.44	0.7
X967386		6.2	21.4	<0.002	0.09	1.74	29.4	<1	0.6	1955	0.16	0.20	1.64	0.396	0.21	0.8
X967387		3.4	47.8	<0.002	0.11	1.49	35.8	1	0.7	867	0.19	<0.05	1.03	0.435	0.44	0.5
X967388		3.3	59.5	<0.002	0.21	1.37	38.1	<1	0.6	509	0.16	0.05	1.07	0.442	0.58	0.5
X967389		3.2	56.9	<0.002	0.02	1.25	35.7	<1	0.6	571	0.17	0.06	1.05	0.426	0.58	0.5
X967390		2.9	57.1	<0.002	0.01	1.18	36.9	<1	0.6	502	0.16	<0.05	1.04	0.435	0.58	0.5
X967391		4.5	61.3	<0.002	0.53	0.86	27.4	1	0.9	960	0.16	0.63	1.76	0.483	0.56	0.9
X967392		6.4	65.4	<0.002	0.02	1.11	36.8	<1	0.6	624	0.17	1.60	1.07	0.440	0.67	0.5
X967393		5.5	36.6	<0.002	0.83	1.08	25.0	1	0.9	1135	0.16	0.27	1.93	0.456	0.41	1.0
X967394		5.8	46.6	<0.002	0.67	1.14	26.6	<1	0.7	1335	0.36	0.58	2.25	0.408	0.45	1.1
X967395		4.3	67.0	<0.002	0.18	1.35	38.2	<1	0.7	557	0.18	0.15	1.00	0.423	0.62	0.5
X967396		5.7	50.7	<0.002	0.23	1.30	32.3	1	0.6	1485	0.17	1.05	1.29	0.399	0.50	0.6
X967397		3.2	65.1	<0.002	0.07	1.29	35.4	<1	0.5	489	0.15	<0.05	1.06	0.429	0.68	0.5
X967398		3.2	54.7	<0.002	0.23	1.50	34.9	<1	0.5	650	0.15	0.13	0.96	0.388	0.55	0.5
X967399		2.9	55.0	<0.002	0.11	1.46	35.3	<1	0.7	667	0.16	0.05	0.99	0.388	0.55	0.5
X967400		965	16.4	0.015	6.44	43.1	5.7	28	16.9	68.5	0.23	0.26	2.58	0.109	6.35	2.5
X967401		3.1	54.7	<0.002	0.17	1.27	31.1	1	0.7	934	0.18	0.05	0.99	0.399	0.53	0.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X967362		258	0.7	17.8	31	21.3	
X967363		280	0.7	15.2	44	18.9	
X967364		76	1.7	10.2	7430	38.8	
X967365		280	0.7	14.1	47	14.8	
X967366		267	0.7	16.4	46	19.0	
X967367		278	0.8	16.0	65	21.5	
X967368		269	0.8	15.5	52	17.0	
X967369		280	0.7	15.0	113	15.5	
X967370		278	0.7	14.7	60	13.2	
X967371		267	0.6	17.0	30	16.3	
X967372		277	0.7	15.1	49	14.0	
X967373		67	3.3	8.1	>10000	27.5	1.295
X967374		279	0.7	15.4	53	16.0	
X967375		234	0.6	10.3	63	11.6	
X967376		302	0.8	15.5	86	27.7	
X967377		284	0.6	16.7	66	18.5	
X967378		284	0.6	15.6	62	15.9	
X967379		267	0.5	17.5	34	24.8	
X967380		277	0.5	15.0	55	20.3	
X967381		282	0.5	14.5	51	20.3	
X967382		137	1.5	20.2	61	17.2	
X967383		289	0.5	15.7	55	22.1	
X967384		288	0.6	17.0	58	23.6	
X967385		277	0.6	16.6	60	24.4	
X967386		264	0.4	15.0	51	22.0	
X967387		280	0.5	15.5	61	20.5	
X967388		291	0.5	15.1	70	20.4	
X967389		282	0.6	14.7	66	18.2	
X967390		277	0.5	14.8	67	18.3	
X967391		292	0.8	18.1	80	23.6	
X967392		283	0.6	15.1	97	13.0	
X967393		296	0.8	17.2	59	26.2	
X967394		275	0.5	16.6	60	29.6	
X967395		280	0.5	14.6	79	20.5	
X967396		258	0.5	14.9	82	18.8	
X967397		282	0.5	14.5	70	19.4	
X967398		257	0.5	13.2	60	19.6	
X967399		259	0.5	12.9	53	18.4	
X967400		70	1.7	9.2	6910	42.4	
X967401		257	0.5	13.5	55	17.1	



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Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	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
X967402		5.04	<0.005	0.07	6.91	3.4	490	0.87	0.05	7.81	0.08	15.45	35.8	158	0.98	120.0
X967403		5.30	<0.005	0.11	7.26	3.1	430	0.88	0.06	8.17	0.08	16.55	34.8	161	1.12	148.5
X967404		4.96	0.005	0.10	7.41	2.6	460	0.91	0.06	7.62	0.12	15.95	36.5	143	1.06	143.0
X967405		4.96	<0.005	0.03	6.86	0.4	530	0.80	0.10	6.72	0.07	17.20	34.7	117	0.89	115.5
X967406		3.26	<0.005	0.03	6.99	0.8	560	0.85	0.08	6.92	0.08	16.35	30.9	111	0.76	85.5
X967407		4.08	<0.005	0.05	7.09	4.5	480	0.89	0.08	7.43	0.10	16.10	39.4	143	0.81	93.0
X967408		4.26	0.067	0.06	7.14	4.6	430	0.92	0.07	7.46	0.14	17.40	36.3	165	1.12	93.1
X967409		0.14	0.953	54.2	2.13	1490	40	0.37	23.7	1.90	79.4	13.45	45.4	55	1.12	4450
X967410		4.04	0.291	0.24	7.31	7.9	440	0.90	0.08	7.61	0.44	17.05	36.9	130	0.85	268
X967411		3.74	0.014	0.11	7.15	3.3	450	0.91	0.06	8.33	0.18	16.55	39.5	168	1.01	130.5
X967412		3.90	<0.005	0.05	7.11	1.9	390	0.82	0.10	7.28	0.17	16.85	39.8	120	0.88	124.5
X967413		4.40	<0.005	0.08	6.96	0.7	620	0.76	0.25	6.60	0.16	17.20	31.6	143	0.82	113.5
X967414		4.42	0.168	0.35	6.77	0.3	510	0.69	0.44	7.74	0.20	15.75	38.8	125	0.72	283
X967415		2.32	0.008	0.16	6.67	0.7	650	0.71	0.39	7.69	0.16	18.90	39.4	107	0.37	210
X967416		2.74	0.275	0.53	6.52	1.1	760	0.50	0.88	7.20	0.13	15.15	114.0	59	0.40	447
X967417		4.30	0.007	0.16	7.25	0.2	630	0.72	0.26	6.92	0.17	17.30	37.4	148	0.79	245
X967418		0.30	<0.005	0.07	7.43	1.5	580	0.66	0.09	4.21	0.08	21.8	14.0	23	0.75	98.9
X967419		5.06	<0.005	0.06	7.05	1.0	630	0.88	0.11	7.12	0.16	14.95	27.6	200	1.02	49.2
X967420		5.00	<0.005	0.07	7.70	0.4	810	0.90	0.13	6.31	0.13	16.55	28.9	145	0.92	76.6
X967421		3.90	0.006	0.10	6.23	0.3	500	0.68	0.20	8.14	0.15	12.15	33.0	161	1.04	160.0
X967422		3.76	0.005	0.14	6.57	2.8	500	0.71	0.24	8.02	0.15	13.40	41.7	262	0.89	186.5
X967423		4.18	<0.005	0.10	5.66	6.5	560	0.76	0.09	7.93	0.14	11.50	53.0	305	0.93	155.0
X967424		4.62	<0.005	0.07	6.61	14.1	490	0.71	0.04	8.22	0.13	14.20	36.8	281	0.86	94.7
X967425		4.06	0.012	0.18	6.77	8.7	480	0.71	0.06	7.66	0.12	13.75	37.7	220	0.74	172.5
X967426		1.80	<0.005	0.06	6.56	7.1	580	0.69	0.04	7.42	0.12	14.40	34.0	227	0.86	114.0
X967427		1.90	<0.005	0.12	6.54	9.4	580	0.78	0.04	7.53	0.15	14.85	38.1	211	0.91	202
X967428		4.58	<0.005	0.14	6.56	18.5	540	0.73	0.04	7.78	0.15	13.45	41.4	242	0.91	169.0
X967429		3.40	<0.005	0.10	6.65	15.1	450	0.75	0.07	8.90	0.06	13.25	46.0	175	0.66	210
X967430		2.70	<0.005	0.16	6.29	27.7	610	0.93	0.05	8.19	0.14	13.05	45.2	211	0.95	202
X967431		3.64	<0.005	0.11	6.15	32.5	610	0.97	0.05	8.27	0.15	13.10	40.6	239	1.04	112.0
X967432		2.80	0.025	0.10	9.26	3.7	530	0.71	0.15	6.85	0.06	18.50	29.9	12	1.02	190.0
X967433		2.80	0.043	0.11	9.05	7.5	410	0.75	0.11	6.77	0.12	21.7	29.4	20	1.05	138.5
X967434		4.08	<0.005	0.06	5.99	37.5	620	1.00	0.06	8.34	0.08	13.50	39.3	257	1.02	60.1
X967435		3.96	<0.005	0.05	6.57	24.6	500	0.62	0.10	8.95	0.05	14.95	37.2	148	1.81	109.5
X967436		0.14	0.288	17.65	3.43	276	190	0.48	10.90	2.32	47.0	21.5	17.1	50	0.97	2210
X967437		4.92	<0.005	0.13	6.65	27.4	550	0.76	0.11	8.80	0.08	14.90	40.3	199	1.04	134.0
X967438		5.08	<0.005	0.13	6.78	41.5	600	0.82	0.07	8.37	0.12	15.00	43.5	259	0.68	139.5
X967439		4.64	<0.005	0.19	6.55	35.8	580	0.79	0.06	8.36	0.12	14.70	39.3	240	0.79	200
X967440		4.94	<0.005	0.16	6.75	40.2	470	0.73	0.06	8.75	0.11	14.60	45.6	224	0.86	202
X967441		4.92	<0.005	0.07	7.07	18.2	380	0.69	0.06	7.53	0.06	14.30	35.1	149	1.07	135.0



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		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
X967402		7.37	14.85	0.11	0.7	0.068	1.71	7.1	6.5	4.60	1140	0.50	1.38	3.0	52.7	1310
X967403		7.60	15.45	0.11	0.7	0.058	1.73	7.8	6.8	4.75	1140	0.55	1.50	3.3	55.0	1370
X967404		7.36	15.95	0.11	0.7	0.065	1.74	7.4	6.8	4.35	1170	0.65	1.74	3.3	50.9	1370
X967405		6.85	15.15	0.08	0.7	0.064	1.63	8.0	6.8	3.72	1220	0.74	1.83	3.2	42.0	1440
X967406		6.82	14.85	0.08	0.7	0.068	1.54	7.5	6.2	3.70	1220	1.08	2.00	3.1	39.5	1570
X967407		7.28	15.35	0.11	0.7	0.060	1.56	7.4	6.3	4.20	1290	0.76	1.77	3.3	52.4	1480
X967408		7.74	15.65	0.10	0.7	0.071	1.81	8.1	7.9	4.75	1420	0.51	1.52	3.5	57.8	1430
X967409		20.4	8.18	0.44	0.9	3.90	0.46	7.1	13.0	0.92	740	8.40	0.05	2.1	27.7	310
X967410		7.24	15.20	0.10	0.7	0.067	1.53	8.0	6.2	4.25	1380	0.97	1.95	3.5	50.6	1520
X967411		7.95	15.00	0.09	0.6	0.057	1.87	7.6	7.6	4.75	1620	0.49	1.33	3.3	55.8	1390
X967412		7.30	15.30	0.08	0.7	0.068	1.55	7.8	6.3	4.02	1380	0.63	1.82	3.4	45.4	1550
X967413		7.67	14.55	0.10	0.7	0.081	1.78	7.9	7.7	4.33	2000	1.26	1.88	3.0	47.6	1430
X967414		8.73	15.00	0.08	0.8	0.147	1.48	7.3	6.3	4.04	2280	3.22	1.91	3.1	47.6	1290
X967415		6.91	12.75	0.09	0.9	0.108	1.31	8.8	4.9	3.38	2060	3.24	2.56	2.5	52.4	1470
X967416		11.55	13.80	0.10	0.7	0.100	1.40	7.1	4.8	2.64	1350	2.28	2.05	2.3	82.7	1480
X967417		7.36	14.60	0.09	0.7	0.100	1.80	8.2	7.7	3.92	2110	0.76	2.09	3.4	49.3	1310
X967418		4.53	16.50	0.09	1.0	0.051	1.20	8.7	8.0	1.43	927	5.39	2.35	3.4	13.6	580
X967419		7.71	15.70	0.09	0.8	0.087	2.01	6.9	9.3	5.06	2030	0.80	1.58	2.8	61.5	1290
X967420		7.40	16.30	0.08	0.8	0.086	2.18	7.6	10.8	4.66	2040	0.97	1.93	3.0	50.4	1520
X967421		7.63	13.00	0.10	0.6	0.064	1.74	5.5	8.9	4.75	2460	1.21	1.86	2.2	51.6	1090
X967422		8.03	15.20	0.06	0.7	0.077	1.61	6.0	9.4	4.98	1950	0.89	1.65	2.2	104.0	1070
X967423		7.75	12.05	0.07	0.6	0.060	1.76	5.3	8.3	5.59	1480	0.51	1.22	1.9	101.0	1080
X967424		7.20	14.40	0.09	0.6	0.054	1.63	6.6	7.8	5.88	1320	0.53	1.23	2.5	83.7	1280
X967425		7.13	14.20	0.07	0.6	0.062	1.50	6.4	6.8	5.01	1190	0.54	1.56	2.6	63.2	1240
X967426		6.84	14.30	0.09	0.6	0.063	1.72	6.7	8.5	5.06	1180	0.53	1.54	2.5	66.9	1240
X967427		6.83	14.60	0.09	0.7	0.073	1.67	6.8	8.7	5.02	1180	0.51	1.56	2.7	69.8	1230
X967428		6.98	13.60	0.05	0.6	0.057	1.70	6.3	9.2	5.67	1260	0.90	1.49	2.2	79.8	1240
X967429		6.68	12.55	0.05	0.6	0.056	1.27	6.1	8.7	4.65	1200	0.57	2.25	2.3	62.0	1260
X967430		7.14	13.30	0.05	0.6	0.056	1.73	6.1	10.0	5.56	1270	0.55	1.60	2.1	77.9	1180
X967431		6.89	11.95	0.07	0.6	0.051	1.78	6.2	10.9	5.42	1320	0.46	1.63	2.1	80.9	1220
X967432		6.95	16.80	0.05	0.7	0.070	1.83	8.7	8.7	2.71	957	0.58	3.03	1.8	11.7	1950
X967433		6.94	16.95	0.06	0.8	0.088	1.53	9.8	7.2	2.77	1100	0.94	3.04	2.0	15.0	2060
X967434		7.23	13.55	0.09	0.6	0.063	1.64	6.0	11.2	5.96	1480	0.50	1.08	2.4	85.8	1170
X967435		7.14	13.80	0.09	0.5	0.076	2.07	6.9	11.8	4.44	1340	1.23	1.98	2.5	53.5	1220
X967436		9.06	12.40	0.15	1.4	1.810	0.47	11.6	28.5	2.67	526	13.50	0.10	3.2	33.2	430
X967437		7.66	15.30	0.08	0.7	0.082	1.56	6.6	10.0	5.48	1380	0.53	1.70	2.4	69.9	1370
X967438		7.47	14.80	0.09	0.7	0.055	1.32	7.0	9.0	5.76	1340	0.64	1.40	2.7	89.2	1330
X967439		7.07	13.95	0.09	0.7	0.059	1.36	6.7	9.4	5.63	1330	0.50	1.40	2.6	86.2	1240
X967440		7.52	14.85	0.08	0.7	0.066	1.35	6.9	9.1	5.66	1420	0.50	1.41	2.8	79.9	1320
X967441		7.37	14.55	0.09	0.8	0.076	1.47	6.5	8.1	4.53	1260	0.69	1.96	2.7	52.1	1350



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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
X967402		2.8	52.1	<0.002	0.17	1.07	32.3	<1	0.6	591	0.19	<0.05	0.98	0.410	0.54	0.5
X967403		2.9	56.3	<0.002	0.16	1.05	33.0	<1	0.6	568	0.21	0.06	1.10	0.429	0.58	0.5
X967404		2.8	54.7	<0.002	0.22	0.97	29.8	<1	0.5	711	0.20	0.07	1.03	0.425	0.55	0.5
X967405		2.1	51.3	<0.002	0.39	0.87	27.0	1	0.5	559	0.20	0.10	1.07	0.397	0.53	0.5
X967406		2.4	39.0	<0.002	0.30	0.94	27.1	<1	0.6	598	0.19	0.08	1.09	0.405	0.44	0.6
X967407		2.6	43.3	0.002	0.27	0.98	29.1	1	0.7	456	0.21	0.07	1.05	0.426	0.50	0.5
X967408		2.4	60.4	<0.002	0.09	0.99	33.2	<1	0.7	459	0.23	0.06	1.12	0.442	0.63	0.6
X967409		3920	18.5	0.017	>10.0	171.5	4.6	120	18.7	78.0	0.14	0.25	1.61	0.074	14.05	2.1
X967410		4.9	45.1	<0.002	0.20	1.11	28.7	1	0.7	662	0.21	0.09	1.13	0.436	0.50	0.6
X967411		3.3	56.9	<0.002	0.22	1.10	31.7	<1	0.5	1080	0.21	0.07	1.07	0.439	0.60	0.5
X967412		2.9	48.9	0.002	0.42	1.03	28.3	<1	0.5	736	0.21	0.08	1.17	0.422	0.50	0.6
X967413		2.1	51.6	<0.002	0.43	1.04	29.2	1	0.5	450	0.18	0.33	1.06	0.411	0.54	0.6
X967414		2.8	43.2	<0.002	1.21	1.20	28.2	1	0.8	675	0.20	0.63	0.95	0.388	0.45	0.5
X967415		2.3	31.7	<0.002	1.31	1.09	21.5	1	0.9	467	0.18	0.51	1.67	0.360	0.25	0.7
X967416		5.6	29.8	<0.002	4.21	0.99	22.1	3	0.7	1300	0.14	1.36	1.14	0.355	0.27	0.6
X967417		2.6	50.5	<0.002	0.85	1.08	29.5	2	0.7	672	0.22	0.35	0.93	0.408	0.44	0.4
X967418		7.2	16.3	<0.002	0.01	0.45	16.3	<1	1.1	473	0.24	<0.05	2.32	0.286	0.17	1.0
X967419		2.5	59.1	<0.002	0.27	1.25	32.6	<1	0.5	419	0.19	0.12	0.89	0.414	0.64	0.4
X967420		1.6	57.7	<0.002	0.42	1.03	29.0	<1	0.7	482	0.18	0.14	1.18	0.439	0.57	0.5
X967421		1.2	53.1	<0.002	0.79	1.21	34.0	1	0.7	325	0.14	0.25	0.73	0.367	0.54	0.4
X967422		10.7	48.4	<0.002	0.76	1.25	36.8	1	0.6	369	0.14	0.35	0.80	0.386	0.55	0.4
X967423		1.8	48.4	<0.002	0.67	1.24	34.0	1	0.5	360	0.11	0.10	0.66	0.350	0.48	0.3
X967424		2.4	46.7	<0.002	0.05	1.35	34.9	1	0.6	745	0.15	<0.05	0.79	0.405	0.45	0.4
X967425		2.5	38.7	<0.002	0.36	1.32	30.8	1	0.5	1050	0.16	0.09	0.82	0.397	0.42	0.4
X967426		1.9	46.3	<0.002	0.29	1.32	32.6	1	0.5	639	0.17	0.05	0.83	0.386	0.47	0.4
X967427		2.1	46.4	<0.002	0.33	1.29	32.9	1	0.6	632	0.17	0.06	0.86	0.386	0.46	0.4
X967428		2.1	51.1	0.004	0.15	1.24	40.3	1	0.5	696	0.14	0.06	0.76	0.392	0.53	0.4
X967429		1.4	36.3	0.002	0.55	0.86	31.8	1	0.6	510	0.16	0.10	0.78	0.397	0.39	0.4
X967430		1.4	49.1	<0.002	0.19	1.19	40.8	1	0.6	441	0.14	0.06	0.74	0.403	0.52	0.4
X967431		1.1	50.8	<0.002	0.05	0.99	40.3	1	0.5	356	0.13	0.08	0.77	0.387	0.53	0.4
X967432		2.6	49.9	<0.002	0.90	0.71	22.1	1	0.7	1395	0.10	0.26	1.61	0.430	0.57	0.8
X967433		6.0	40.6	<0.002	0.64	0.98	23.7	1	0.7	2600	0.12	0.13	1.77	0.420	0.54	0.9
X967434		2.3	46.8	<0.002	0.07	1.49	39.4	1	0.6	536	0.15	0.10	0.82	0.383	0.43	0.4
X967435		1.7	64.3	0.002	0.42	0.70	33.7	<1	0.6	568	0.15	0.21	0.84	0.391	0.63	0.4
X967436		1090	17.3	0.014	7.11	47.3	6.1	30	18.0	78.2	0.23	0.33	2.83	0.120	6.58	2.7
X967437		2.3	43.8	<0.002	0.44	1.22	39.5	1	0.7	807	0.15	0.14	0.96	0.393	0.41	0.5
X967438		2.4	32.5	<0.002	0.12	1.59	37.1	1	0.6	1005	0.15	0.07	0.88	0.409	0.32	0.4
X967439		2.1	35.9	<0.002	0.07	1.42	34.8	1	0.6	821	0.16	0.07	0.84	0.389	0.35	0.4
X967440		1.9	36.0	<0.002	0.18	1.41	38.6	<1	0.7	678	0.17	0.08	0.89	0.407	0.37	0.5
X967441		2.1	42.8	<0.002	0.33	0.86	33.0	<1	0.6	779	0.16	0.07	0.91	0.419	0.45	0.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X967402		265	0.5	13.7	49	16.6	
X967403		276	0.4	14.0	47	19.8	
X967404		267	0.4	13.8	52	17.6	
X967405		255	0.5	13.9	59	17.5	
X967406		257	0.6	14.3	60	18.3	
X967407		270	0.5	14.5	63	18.2	
X967408		276	0.5	15.2	61	18.9	
X967409		65	2.4	8.0	>10000	30.5	1.420
X967410		271	0.4	14.6	68	19.1	
X967411		276	0.5	14.2	68	17.2	
X967412		275	0.5	14.5	68	17.3	
X967413		262	0.6	14.2	100	19.3	
X967414		254	0.7	13.4	112	15.7	
X967415		204	1.0	16.1	82	26.8	
X967416		241	1.0	13.8	79	18.6	
X967417		258	0.6	14.8	111	16.4	
X967418		135	1.3	18.3	58	17.8	
X967419		266	0.7	14.4	120	18.6	
X967420		271	0.7	15.3	114	20.6	
X967421		247	0.8	11.6	139	13.2	
X967422		249	0.6	13.1	116	16.2	
X967423		229	0.4	11.6	68	16.3	
X967424		255	0.4	13.7	63	17.8	
X967425		253	0.5	13.0	69	15.4	
X967426		250	0.6	13.5	64	16.7	
X967427		248	0.6	13.7	64	19.0	
X967428		246	0.5	12.5	57	14.5	
X967429		239	0.5	12.3	48	16.9	
X967430		270	0.5	12.6	54	16.0	
X967431		245	0.5	11.9	50	14.6	
X967432		279	0.4	15.4	42	17.9	
X967433		269	0.4	16.4	58	19.3	
X967434		238	0.6	12.9	53	15.7	
X967435		260	0.6	13.7	45	13.7	
X967436		75	1.8	10.1	7620	43.8	
X967437		262	0.7	13.7	55	18.0	
X967438		251	0.4	14.4	68	20.3	
X967439		239	0.4	13.7	63	19.7	
X967440		256	0.4	14.3	55	21.8	
X967441		271	0.3	14.6	46	18.3	



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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
X967442		4.82	<0.005	0.06	6.86	9.8	580	0.81	0.10	7.99	0.05	14.75	32.9	135	1.36	145.5
X967443		4.42	<0.005	0.12	7.03	25.9	550	0.78	0.11	7.93	0.09	15.10	41.2	158	1.12	160.5
X967444		4.46	<0.005	0.15	6.81	24.5	510	0.69	0.07	8.53	0.11	14.05	38.6	189	1.07	166.0
X967445		0.14	0.941	57.5	2.26	1525	70	0.32	26.5	2.06	82.6	14.40	46.2	57	1.13	4590
X967446		3.30	<0.005	0.09	6.41	27.7	760	0.70	0.07	7.90	0.08	13.75	38.7	209	1.06	105.5
X967447		3.06	<0.005	0.13	6.03	99.4	490	0.64	0.10	8.39	0.12	13.55	41.7	274	0.52	177.5
X967448		3.00	<0.005	0.03	6.35	201	390	0.73	0.18	8.00	0.05	14.45	50.6	652	0.31	25.1
X967449		3.26	<0.005	0.14	6.85	20.8	550	0.68	0.33	7.80	0.07	17.50	60.8	137	1.11	338
X967450		2.24	<0.005	0.03	6.68	38.8	740	0.98	0.08	7.80	0.07	17.65	43.2	242	1.33	55.4
X967451		4.52	0.012	0.10	7.44	17.7	510	0.91	0.13	8.27	0.09	20.6	46.3	103	0.78	229
X967452		4.68	0.007	0.11	7.19	8.2	430	0.95	0.20	7.87	0.08	17.80	52.3	39	0.71	298
X967453		4.40	<0.005	0.05	7.35	5.3	500	0.82	0.11	6.52	0.05	17.85	28.1	147	0.96	128.0
X967454		0.30	<0.005	0.07	8.46	1.5	650	0.70	0.10	4.69	0.08	22.3	14.6	24	0.76	106.5
X967455		3.84	<0.005	0.11	7.70	13.5	740	0.84	0.21	8.39	0.10	17.95	49.6	114	0.83	315
X967456		3.70	<0.005	0.05	7.74	25.4	810	0.93	0.11	7.05	0.07	19.35	38.5	144	1.72	132.5
X967457		4.04	<0.005	0.07	7.58	35.8	700	0.87	0.07	8.19	0.10	16.90	36.5	193	1.21	107.5
X967458		3.92	<0.005	0.07	8.15	95.1	540	0.71	0.06	9.13	0.09	16.00	34.0	118	1.15	126.0
X967459		4.04	<0.005	0.08	7.81	56.6	570	0.71	0.08	7.21	0.09	16.15	35.6	108	1.16	166.5
X967460		4.74	0.012	0.07	7.28	39.9	460	0.79	0.11	9.24	0.08	16.35	53.8	117	0.97	188.5
X967461		5.10	0.007	0.10	6.06	37.9	660	0.81	0.08	9.17	0.07	15.40	50.4	270	1.32	291
X967462		2.30	<0.005	0.09	6.25	36.9	690	0.82	0.04	9.17	0.08	15.05	47.3	285	1.44	95.1
X967463		2.40	<0.005	0.19	6.43	37.2	730	0.81	0.05	9.50	0.15	14.90	48.8	272	1.31	205
X967464		5.04	<0.005	0.14	6.14	34.7	710	0.89	0.04	8.98	0.11	15.55	49.0	244	0.99	161.5
X967465		2.46	0.082	0.14	6.38	11.3	560	0.76	0.05	10.30	0.08	10.05	36.6	140	1.07	227
X967466		5.26	<0.005	0.06	6.18	29.2	620	0.80	0.03	9.71	0.06	15.20	43.3	248	1.20	68.0
X967467		5.12	<0.005	0.10	6.36	27.2	690	0.75	0.04	9.65	0.09	15.70	43.4	266	1.30	122.5
X967468		4.96	<0.005	0.13	6.01	37.1	700	0.86	0.04	9.55	0.12	14.50	49.2	246	1.31	178.5
X967469		4.16	<0.005	0.05	6.82	41.1	570	0.85	0.05	9.18	0.08	17.55	42.1	181	1.21	81.6
X967470		4.64	<0.005	0.11	6.08	56.8	740	0.91	0.04	9.07	0.11	15.55	43.5	253	1.41	114.0
X967471		4.04	<0.005	0.06	5.99	52.5	620	0.91	0.04	9.31	0.08	15.60	41.6	239	1.45	70.8
X967472		0.14	0.302	18.45	3.38	268	110	0.48	10.90	2.32	48.0	23.1	17.9	48	0.97	2190
X967473		3.26	<0.005	0.09	8.36	35.1	980	0.97	0.12	7.66	0.12	19.05	54.4	78	1.02	248
X967474		2.92	<0.005	0.05	7.73	10.9	770	0.90	0.13	8.01	0.13	21.3	41.4	108	1.34	168.5
X967475		3.02	<0.005	0.20	7.54	2.6	640	0.78	0.28	6.11	0.09	19.50	47.4	96	1.62	443
X967476		3.12	<0.005	0.38	6.75	1.0	510	0.73	0.65	6.59	0.18	19.10	127.5	73	1.37	672
X967477		2.84	<0.005	0.09	6.85	41.9	590	0.78	0.17	6.50	0.15	14.85	45.7	258	1.66	128.0
X967478		4.78	<0.005	0.08	8.52	10.3	620	0.99	0.10	8.77	0.09	20.4	31.2	119	1.30	123.5
X967479		3.82	0.018	0.22	8.03	6.4	490	0.91	0.07	9.15	0.13	17.90	31.3	124	1.38	257
X967480		3.58	<0.005	0.15	7.85	11.3	500	1.03	0.07	8.28	0.13	18.35	38.1	146	1.36	190.0
X967481		0.14	0.985	59.2	2.32	1580	70	0.39	27.7	2.19	84.3	14.50	47.6	61	1.11	4820



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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
X967442		7.94	14.20	0.10	0.7	0.084	1.91	7.2	12.1	4.99	1890	0.92	1.80	2.4	53.7	1320
X967443		7.86	15.90	0.11	0.7	0.076	1.62	6.8	9.5	4.82	1350	0.89	1.63	2.6	60.0	1340
X967444		7.77	15.00	0.08	0.6	0.060	1.58	6.4	9.2	5.33	1360	1.82	1.43	2.5	68.8	1230
X967445		21.8	8.36	0.42	0.9	4.15	0.48	8.1	14.1	0.98	808	9.55	0.05	2.2	30.0	330
X967446		7.35	13.65	0.09	0.6	0.060	1.86	6.3	11.2	5.73	1300	0.49	1.30	2.6	75.8	1240
X967447		6.79	12.30	0.08	0.5	0.070	1.03	6.2	12.0	5.60	1230	1.28	1.87	2.1	166.5	1190
X967448		6.77	12.65	0.09	0.6	0.055	0.78	6.6	15.4	8.33	1270	0.78	1.63	3.8	358	1000
X967449		8.99	13.60	0.09	0.7	0.092	1.66	8.6	12.0	5.08	1310	1.19	2.22	2.9	54.7	1800
X967450		8.19	15.45	0.10	0.7	0.061	2.04	8.2	13.6	6.22	1380	0.71	1.15	3.0	90.7	1340
X967451		7.65	17.90	0.11	0.9	0.080	1.34	9.7	8.9	4.15	1260	0.86	1.88	2.5	62.2	1730
X967452		9.02	16.80	0.10	0.9	0.125	1.22	8.8	7.9	4.08	1440	0.51	1.73	2.2	39.6	1660
X967453		7.29	15.45	0.10	0.8	0.130	1.54	8.5	9.5	3.98	1440	1.25	2.28	3.3	45.1	1540
X967454		5.01	16.70	0.10	0.9	0.054	1.31	9.4	8.7	1.63	1030	6.12	2.57	3.5	15.4	630
X967455		9.65	17.60	0.11	0.9	0.132	1.77	8.6	10.7	4.47	1670	2.33	1.62	2.3	51.6	1640
X967456		8.50	15.40	0.10	0.7	0.111	2.49	9.2	14.5	5.12	1650	2.49	1.87	4.7	56.9	1660
X967457		7.59	15.05	0.10	0.7	0.073	1.94	7.9	11.3	5.15	1340	0.65	1.49	2.8	81.9	1490
X967458		6.90	17.25	0.10	0.7	0.123	1.75	7.2	11.1	4.01	1150	0.84	2.17	2.0	57.9	1330
X967459		7.43	14.35	0.08	0.7	0.137	1.77	7.1	10.6	4.13	1140	0.98	2.61	2.0	49.3	1460
X967460		8.48	15.30	0.09	0.7	0.110	1.48	7.9	9.2	5.10	1360	0.81	1.62	2.0	57.9	1600
X967461		8.52	13.90	0.09	0.6	0.081	1.96	6.7	14.6	7.00	1420	0.51	0.52	2.3	102.5	1140
X967462		8.05	14.30	0.08	0.6	0.060	2.00	6.7	14.1	6.99	1200	0.38	0.58	2.2	103.5	1160
X967463		8.32	14.20	0.07	0.7	0.055	1.99	6.6	13.9	7.17	1240	0.39	0.66	2.3	104.0	1230
X967464		8.14	13.80	0.09	0.7	0.054	1.74	6.9	12.9	6.70	1190	0.48	0.74	2.2	95.4	1180
X967465		7.86	13.20	0.09	0.6	0.088	1.68	4.4	12.1	5.06	1300	0.21	1.30	1.4	39.2	1650
X967466		7.93	14.25	0.09	0.6	0.059	1.68	7.0	12.3	6.69	1220	0.54	0.64	2.5	95.1	1170
X967467		8.26	13.45	0.10	0.6	0.053	1.90	7.3	13.3	6.91	1290	0.41	0.76	2.4	95.2	1210
X967468		8.07	13.20	0.08	0.8	0.071	1.98	6.4	14.4	6.25	1420	0.43	0.63	2.2	100.5	1130
X967469		8.03	15.90	0.11	0.8	0.074	1.66	8.3	11.5	5.59	1340	1.96	1.26	2.8	77.3	1450
X967470		7.79	13.40	0.08	0.6	0.056	1.85	6.9	13.3	6.61	1270	0.38	1.02	2.4	94.3	1270
X967471		7.83	13.70	0.09	0.6	0.067	1.76	6.9	12.6	6.10	1300	0.43	1.11	2.3	90.1	1260
X967472		8.92	12.90	0.16	1.5	1.875	0.46	12.3	27.8	2.65	525	13.05	0.10	3.2	33.1	410
X967473		8.05	16.75	0.10	0.8	0.078	2.10	8.7	13.2	4.11	1270	1.75	2.21	2.5	37.0	1940
X967474		8.77	18.70	0.11	0.8	0.134	2.06	10.4	13.8	4.49	1740	7.55	1.88	3.0	42.5	2290
X967475		8.21	14.85	0.09	0.7	0.089	2.00	9.5	13.4	3.62	1360	1.72	2.97	3.4	46.4	1600
X967476		13.90	15.10	0.14	1.0	0.259	1.71	9.4	11.9	3.53	1280	2.51	1.94	3.3	61.8	1480
X967477		7.87	12.90	0.10	0.8	0.060	2.04	6.6	13.7	5.31	1500	1.57	2.06	2.1	141.5	1280
X967478		8.13	17.35	0.11	0.7	0.125	1.80	9.5	10.8	4.43	1320	1.06	2.07	4.5	42.9	1820
X967479		8.09	15.95	0.10	0.7	0.097	1.79	8.6	10.4	4.72	1290	0.46	2.08	3.7	46.0	1760
X967480		8.13	16.70	0.10	0.7	0.093	1.80	8.7	10.9	4.74	1310	1.02	1.85	3.9	56.0	1550
X967481		22.3	8.37	0.43	0.9	4.07	0.50	7.5	13.4	1.03	855	8.75	0.05	2.2	29.5	340



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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
X967442	1.3	55.2	<0.002	0.43	0.91	39.4	1	0.6	487	0.15	0.10	0.91	0.398	0.57	0.5	
X967443	2.6	48.1	<0.002	0.36	1.18	38.0	<1	0.6	837	0.16	0.12	0.93	0.429	0.48	0.5	
X967444	2.3	45.2	0.003	0.19	1.34	38.7	<1	0.5	1045	0.14	0.06	0.82	0.415	0.45	0.4	
X967445	4180	18.6	0.016	>10.0	180.0	4.9	122	19.5	86.8	0.15	0.31	1.67	0.082	14.15	2.2	
X967446	2.8	48.4	<0.002	0.29	1.35	38.1	1	0.5	504	0.15	0.06	0.87	0.395	0.47	0.4	
X967447	1.8	25.3	<0.002	0.44	1.30	29.9	1	0.6	336	0.12	0.11	0.80	0.324	0.25	0.4	
X967448	1.3	16.0	<0.002	0.09	3.83	34.3	<1	0.5	348	0.22	0.23	0.92	0.397	0.14	0.4	
X967449	2.4	47.5	<0.002	1.39	1.12	49.2	1	0.7	414	0.17	0.26	1.53	0.410	0.45	0.8	
X967450	2.7	56.6	<0.002	0.23	1.33	40.1	1	0.5	517	0.17	0.09	0.98	0.464	0.53	0.5	
X967451	2.9	38.2	<0.002	0.82	1.47	38.9	1	0.7	1260	0.15	0.11	1.61	0.438	0.36	0.8	
X967452	2.6	34.8	<0.002	1.54	1.67	42.6	1	0.9	1140	0.12	0.13	1.49	0.431	0.35	0.8	
X967453	1.6	39.5	<0.002	0.65	1.48	31.4	1	0.7	714	0.21	0.09	1.64	0.420	0.40	0.8	
X967454	7.5	18.0	<0.002	0.01	0.46	17.3	<1	1.1	524	0.22	<0.05	2.36	0.319	0.19	1.0	
X967455	2.4	43.1	0.004	1.52	1.51	37.3	1	0.8	754	0.14	0.15	1.23	0.485	0.40	0.7	
X967456	1.5	73.5	0.002	0.60	1.30	37.1	1	0.7	437	0.25	0.11	1.25	0.516	0.65	0.6	
X967457	1.7	51.8	<0.002	0.18	1.53	35.9	1	0.6	935	0.16	0.07	1.12	0.470	0.48	0.5	
X967458	1.8	44.6	<0.002	0.32	1.92	34.9	<1	0.7	1750	0.12	0.11	1.26	0.456	0.38	0.6	
X967459	1.7	36.0	<0.002	0.60	1.13	37.7	1	0.6	947	0.11	0.13	1.33	0.434	0.40	0.6	
X967460	1.9	42.2	<0.002	0.72	1.53	41.0	1	0.6	972	0.12	0.11	1.39	0.434	0.39	0.7	
X967461	1.3	56.3	0.002	0.29	1.82	42.6	1	0.6	491	0.14	0.06	0.83	0.421	0.55	0.4	
X967462	1.3	59.3	<0.002	0.02	1.64	42.2	1	0.7	372	0.13	0.06	0.82	0.425	0.53	0.4	
X967463	1.4	54.6	<0.002	0.03	1.76	41.1	1	0.6	336	0.14	0.05	0.84	0.440	0.53	0.4	
X967464	1.2	45.7	0.002	0.03	1.70	39.3	<1	0.6	363	0.14	<0.05	0.83	0.429	0.41	0.4	
X967465	1.5	45.4	<0.002	0.45	1.34	38.3	1	0.7	838	0.08	0.10	1.12	0.351	0.42	0.5	
X967466	1.6	50.0	<0.002	0.01	1.57	40.7	1	0.5	333	0.15	0.05	0.88	0.424	0.44	0.4	
X967467	1.4	54.4	<0.002	0.03	1.46	42.6	<1	0.5	321	0.14	0.05	0.84	0.445	0.51	0.4	
X967468	1.7	56.1	<0.002	0.33	1.77	39.7	1	0.4	459	0.13	0.06	0.78	0.406	0.49	0.4	
X967469	2.6	47.5	<0.002	0.31	1.78	35.9	<1	0.6	757	0.16	0.06	1.26	0.433	0.44	0.6	
X967470	1.6	50.2	<0.002	0.02	1.31	38.8	1	0.5	490	0.14	0.06	0.86	0.425	0.42	0.4	
X967471	1.7	51.7	<0.002	0.07	1.14	38.5	<1	0.6	494	0.14	0.05	0.86	0.416	0.46	0.4	
X967472	1075	18.2	0.018	7.03	45.6	6.4	32	18.4	80.0	0.25	0.30	2.75	0.118	6.41	2.6	
X967473	2.9	42.9	<0.002	0.96	1.13	30.3	1	0.6	897	0.14	0.11	1.53	0.455	0.46	0.7	
X967474	2.6	63.5	<0.002	0.92	1.03	41.0	1	0.9	452	0.18	0.13	1.76	0.442	0.56	0.8	
X967475	1.9	59.8	<0.002	1.27	0.72	26.8	1	0.6	362	0.22	0.31	1.76	0.375	0.57	0.9	
X967476	2.8	55.5	<0.002	4.01	0.80	29.7	2	1.1	825	0.20	0.84	1.72	0.365	0.49	1.1	
X967477	1.6	62.9	<0.002	0.27	1.05	33.4	<1	0.6	378	0.13	0.20	1.28	0.384	0.58	0.7	
X967478	3.8	53.2	<0.002	0.22	1.13	31.6	<1	0.9	1030	0.27	0.07	1.24	0.497	0.46	0.6	
X967479	3.0	52.6	<0.002	0.24	1.19	33.9	1	0.7	997	0.22	0.08	1.18	0.453	0.51	0.6	
X967480	3.0	48.5	<0.002	0.23	1.41	33.2	1	0.6	1010	0.24	0.08	1.04	0.456	0.51	0.6	
X967481	4330	19.8	0.022	>10.0	187.5	5.1	122	20.4	88.0	0.15	0.26	1.63	0.086	13.85	2.2	



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X967442		272	0.8	13.6	43	21.8	
X967443		282	0.5	14.2	52	19.4	
X967444		273	0.4	13.3	52	16.1	
X967445		67	6.2	8.4	>10000	31.2	1.360
X967446		252	0.5	13.4	54	15.6	
X967447		208	0.5	11.4	49	14.9	
X967448		237	0.4	11.3	57	17.3	
X967449		308	0.7	13.4	55	16.1	
X967450		292	0.5	14.8	58	18.6	
X967451		298	0.5	18.1	47	23.0	
X967452		313	0.6	15.7	60	30.6	
X967453		258	0.7	15.5	65	23.1	
X967454		145	1.8	19.3	65	17.6	
X967455		329	0.6	17.1	81	22.4	
X967456		305	0.6	17.3	83	24.2	
X967457		296	0.5	15.6	58	17.9	
X967458		284	0.4	16.9	43	20.7	
X967459		288	0.4	15.6	49	19.0	
X967460		306	0.5	15.4	54	17.8	
X967461		273	0.6	13.3	64	13.6	
X967462		276	0.4	13.1	53	15.5	
X967463		287	0.4	13.8	55	15.7	
X967464		278	0.3	13.4	52	17.8	
X967465		272	0.6	11.3	45	17.0	
X967466		268	0.4	13.2	51	14.6	
X967467		285	0.3	13.6	56	15.2	
X967468		265	0.4	12.4	60	14.3	
X967469		286	0.4	14.5	60	18.9	
X967470		272	0.4	12.8	56	14.4	
X967471		269	0.4	13.0	57	14.9	
X967472		75	2.0	10.5	7540	48.4	
X967473		296	0.6	15.8	65	20.2	
X967474		335	0.8	16.2	99	30.9	
X967475		235	0.8	14.9	85	21.1	
X967476		248	0.8	14.3	85	25.5	
X967477		259	0.4	14.1	85	23.8	
X967478		311	0.5	17.0	56	18.5	
X967479		290	0.5	15.2	50	18.2	
X967480		297	0.4	15.7	59	17.3	
X967481		70	6.0	8.8	>10000	38.2	1.410



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Sample Description	Method	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
X967482		4.66	<0.005	0.06	9.12	2.1	580	0.94	0.08	7.11	0.08	19.30	30.8	4	1.34	100.5
X967483		2.70	<0.005	0.07	8.15	1.7	710	0.99	0.10	7.54	0.16	16.60	47.0	158	1.58	112.5
X967484		1.72	0.021	0.53	5.46	0.6	360	0.66	0.55	7.20	0.19	14.30	261	114	1.69	1015
X967485		2.88	<0.005	0.03	8.02	5.4	570	0.93	0.08	8.45	0.15	18.40	32.7	131	1.34	69.0
X967486		4.88	<0.005	0.12	7.80	12.2	520	0.79	0.06	9.22	0.11	18.05	41.4	156	1.20	166.5
X967487		4.92	<0.005	0.14	7.73	4.0	610	0.83	0.05	8.78	0.10	18.15	40.8	153	1.20	210
X967488		2.28	<0.005	0.08	8.14	3.3	690	0.78	0.07	8.43	0.05	21.8	43.6	88	0.90	155.0
X967489		4.80	<0.005	0.07	8.17	3.5	570	0.91	0.05	8.70	0.08	17.80	34.3	132	1.15	135.0
X967490		0.28	<0.005	0.07	8.58	2.1	660	0.72	0.10	4.84	0.10	23.4	15.4	25	0.74	101.5
X967491		5.02	<0.005	0.08	7.88	8.8	560	0.92	0.07	8.85	0.09	18.75	37.6	137	1.17	155.5
X967492		5.00	<0.005	0.11	8.25	16.9	570	0.84	0.05	8.86	0.09	19.55	38.9	119	1.45	150.0
X967493		5.00	0.007	0.15	7.90	25.3	500	0.98	0.05	9.44	0.10	18.30	44.2	151	1.20	181.0
X967494		5.10	<0.005	0.08	7.68	23.1	600	0.93	0.04	9.08	0.07	18.25	37.1	151	1.53	102.0
X967495		4.98	<0.005	0.03	8.17	16.3	710	0.96	0.06	8.78	0.07	18.45	38.6	141	1.24	85.8
X967496		4.46	0.006	0.08	7.89	16.6	520	0.87	0.06	9.20	0.09	19.20	35.9	161	1.29	121.0
X967497		2.42	<0.005	0.10	8.42	4.0	620	0.92	0.25	9.95	0.05	14.65	28.1	16	0.84	129.0
X967498		3.26	<0.005	0.14	7.26	4.1	650	1.01	0.27	8.12	0.05	17.80	43.5	117	1.70	212
X967499		0.14	0.301	18.00	3.34	270	130	0.47	11.05	2.28	48.3	22.9	17.6	48	0.96	2150
X967500		3.46	<0.005	0.08	7.71	19.6	560	0.88	0.10	8.33	0.11	19.85	35.7	134	1.31	87.6
X967501		1.88	0.066	0.28	6.94	2.6	750	0.89	0.41	8.08	0.07	17.00	63.0	80	1.34	472
X967502		4.62	0.006	0.13	7.79	19.1	490	0.91	0.07	8.68	0.10	19.85	37.7	130	1.31	177.0
X967503		4.86	0.013	0.12	8.09	16.5	470	0.92	0.06	9.04	0.17	20.3	37.5	161	1.17	175.0
X967504		4.04	<0.005	0.06	8.03	3.1	660	0.87	0.06	7.92	0.05	20.0	40.4	110	1.21	168.5
X967505		3.92	<0.005	0.08	7.54	22.7	500	0.92	0.06	9.20	0.08	18.45	45.2	178	1.20	131.0
X967506		3.88	0.116	0.21	7.36	12.3	520	0.83	0.05	8.28	0.13	16.55	39.1	159	1.66	196.0
X967507		1.94	<0.005	0.20	6.78	6.6	730	0.93	0.10	7.99	0.27	19.45	73.9	247	2.16	428
X967508		0.14	1.005	58.7	2.33	1595	50	0.37	23.7	2.13	79.0	13.70	46.1	59	1.05	4790
X967509		3.70	<0.005	0.12	7.84	13.0	590	0.84	0.08	8.96	0.14	18.65	37.1	158	1.21	178.5
X967510		3.86	<0.005	0.09	8.82	21.8	520	0.90	0.05	8.22	0.11	19.20	29.7	88	0.79	114.0
X967511		4.84	<0.005	0.11	7.20	15.8	830	0.79	0.06	8.60	0.12	16.70	40.2	172	1.12	172.0
X967512		5.32	<0.005	0.03	6.34	13.7	530	0.90	0.03	10.40	0.09	14.85	34.1	258	1.02	59.9
X967513		3.30	<0.005	0.05	5.80	55.6	410	0.75	0.04	10.00	0.08	12.95	41.5	497	0.92	100.5
X967514		4.80	<0.005	0.05	6.21	29.3	490	0.75	0.02	10.10	0.07	14.20	41.8	298	1.24	57.3
X967515		5.28	<0.005	0.06	5.93	35.5	620	0.90	0.03	9.69	0.07	14.75	41.6	246	1.22	59.2
X967516		3.78	<0.005	0.08	6.00	35.3	570	0.78	0.03	8.82	0.09	14.50	45.4	249	1.49	163.0
X967517		0.28	<0.005	0.06	8.35	2.0	620	0.66	0.10	4.51	0.09	24.7	14.4	24	0.78	97.8
X967518		3.56	<0.005	0.05	5.99	23.5	490	0.88	0.04	9.23	0.08	14.90	44.1	257	1.31	122.5
X967519		2.08	<0.005	0.08	8.81	2.2	480	0.79	0.09	6.88	0.06	21.3	30.5	44	0.70	184.5
X967520		5.08	<0.005	0.07	6.79	2.4	550	0.94	0.07	10.10	0.10	16.40	49.0	226	1.11	197.5
X967521		5.14	0.005	0.06	6.48	9.2	460	0.93	0.15	10.30	0.09	16.60	44.1	245	1.16	109.5



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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
X967482		6.96	18.35	0.10	0.8	0.146	1.99	8.6	12.3	2.64	1020	1.17	2.90	2.3	11.1	2150
X967483		9.27	15.75	0.11	0.7	0.128	2.31	7.8	13.3	5.00	1580	1.55	1.86	3.6	65.4	1530
X967484		19.60	13.45	0.14	0.4	0.238	2.28	6.9	14.0	4.52	1730	2.36	0.39	2.3	75.6	970
X967485		8.08	16.85	0.10	0.9	0.118	1.94	8.9	11.5	4.61	1590	1.05	1.82	3.6	43.9	1660
X967486		7.82	16.20	0.10	0.6	0.104	1.62	8.5	9.6	4.78	1320	0.81	1.82	3.7	56.1	1550
X967487		7.91	15.80	0.10	0.7	0.075	1.78	8.5	10.9	4.73	1240	0.87	1.83	3.6	59.9	1540
X967488		7.65	17.20	0.12	0.9	0.115	1.63	10.5	10.0	4.16	1140	1.48	2.14	6.3	55.1	1540
X967489		7.47	16.05	0.10	0.6	0.058	1.67	8.7	10.2	4.40	1240	0.68	2.35	3.4	46.8	1740
X967490		5.11	17.10	0.11	1.0	0.055	1.32	9.2	8.5	1.66	1060	5.59	2.60	3.5	14.9	670
X967491		7.79	15.80	0.09	0.7	0.068	1.72	8.9	10.4	4.48	1340	0.66	2.04	4.0	46.6	1770
X967492		7.88	16.00	0.10	0.6	0.059	1.84	9.1	11.1	4.34	1400	0.72	2.33	4.0	47.6	1800
X967493		7.88	16.70	0.10	0.6	0.060	1.55	8.7	10.0	4.60	1420	0.82	1.96	3.8	57.0	1580
X967494		7.54	15.25	0.09	0.7	0.061	1.88	8.4	11.8	4.53	1300	0.57	2.09	3.7	55.1	1610
X967495		8.51	16.30	0.11	0.7	0.093	1.98	8.8	12.0	4.79	1490	0.86	1.68	3.7	56.0	1620
X967496		7.87	16.25	0.09	0.7	0.093	1.70	8.9	10.5	4.69	1290	0.80	1.96	4.0	54.5	1650
X967497		6.48	16.75	0.09	0.6	0.162	1.57	7.9	11.1	2.96	1100	0.98	2.04	1.2	26.4	1700
X967498		9.01	15.00	0.10	0.8	0.104	2.10	8.2	13.0	4.52	1320	2.60	1.92	2.6	40.5	1830
X967499		8.79	12.45	0.16	1.4	1.860	0.45	12.0	27.3	2.61	518	12.85	0.10	3.2	32.4	420
X967500		7.63	16.55	0.12	0.7	0.096	1.70	9.3	10.0	4.30	1300	0.81	1.85	4.4	53.2	1650
X967501		10.10	14.20	0.11	0.6	0.140	1.89	8.5	11.0	3.96	1540	1.72	1.86	3.1	28.8	1910
X967502		7.74	16.15	0.10	0.6	0.080	1.60	9.8	9.0	4.18	1280	0.82	2.03	4.1	47.6	1670
X967503		7.92	17.55	0.10	0.7	0.076	1.57	9.7	9.1	4.39	1340	0.63	1.90	4.6	58.9	1680
X967504		7.53	15.50	0.10	0.7	0.080	1.88	9.8	11.4	4.04	1160	1.11	1.86	2.2	52.9	1950
X967505		7.94	16.60	0.11	0.8	0.073	1.67	8.5	10.7	4.87	1300	0.58	1.50	3.7	65.3	1490
X967506		8.41	15.10	0.10	0.6	0.077	1.91	7.2	10.7	4.48	1240	1.07	1.75	3.1	59.5	1660
X967507		10.65	15.10	0.12	0.6	0.096	2.66	9.9	15.7	5.62	1520	2.16	1.00	2.0	106.0	1660
X967508		22.5	8.09	0.42	0.8	3.91	0.50	7.6	12.4	1.02	839	8.60	0.05	2.1	29.2	340
X967509		7.90	15.95	0.09	0.6	0.078	1.68	8.7	9.1	4.50	1280	0.82	1.86	3.9	52.9	1640
X967510		6.24	17.80	0.10	0.9	0.052	1.23	9.1	6.5	3.37	1090	0.98	2.86	4.1	48.7	1760
X967511		8.42	14.95	0.10	0.6	0.099	1.95	7.5	11.6	5.38	1380	1.71	1.35	2.9	60.9	1680
X967512		8.54	13.85	0.09	0.7	0.092	1.67	6.3	11.7	7.01	1570	1.12	0.51	2.5	95.0	1270
X967513		8.38	12.25	0.09	0.6	0.095	1.43	5.3	15.1	8.68	1420	4.55	0.43	1.8	229	1310
X967514		8.57	13.55	0.09	0.6	0.072	1.77	6.0	11.8	7.61	1400	0.71	0.54	2.0	109.5	1160
X967515		7.75	13.40	0.09	0.7	0.078	1.63	6.4	12.1	6.83	1300	1.25	0.84	2.2	94.3	1150
X967516		7.82	13.85	0.09	0.6	0.064	1.75	6.2	12.4	6.36	1230	0.47	1.11	2.3	94.5	1200
X967517		4.80	16.50	0.12	0.9	0.055	1.26	10.3	7.8	1.58	990	5.72	2.41	3.4	14.8	600
X967518		8.32	14.20	0.11	0.7	0.070	1.60	6.1	12.3	6.63	1320	0.32	0.88	2.3	103.0	1230
X967519		6.07	17.60	0.11	1.0	0.064	1.40	10.2	7.4	2.76	811	1.44	3.48	3.8	25.3	1740
X967520		8.40	13.75	0.10	0.7	0.067	1.61	7.2	9.3	5.56	1460	0.53	1.52	2.2	82.9	1620
X967521		8.10	15.15	0.11	0.7	0.075	1.43	7.3	9.4	5.59	1380	0.74	1.25	2.2	88.3	1420



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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
X967482	0.5	40.1	<0.002	0.36	1.57	20.4	1	0.7	1345	0.13	<0.05	1.65	0.446	0.59	1.0	
X967483	3.5	68.6	<0.002	0.55	1.44	36.3	1	0.6	746	0.22	0.11	1.01	0.480	0.60	0.5	
X967484	4.0	76.4	<0.002	6.06	1.61	24.2	3	0.6	621	0.14	1.13	0.60	0.304	0.62	0.5	
X967485	4.3	59.7	<0.002	0.28	1.54	33.1	<1	0.7	943	0.22	0.09	1.31	0.456	0.52	0.7	
X967486	3.5	51.1	<0.002	0.16	1.06	34.6	<1	0.6	911	0.23	0.07	1.05	0.470	0.50	0.6	
X967487	2.3	51.4	<0.002	0.27	1.09	35.5	<1	0.7	874	0.22	0.05	1.03	0.457	0.52	0.5	
X967488	2.1	31.4	<0.002	0.37	1.64	28.8	1	0.7	1450	0.40	0.10	1.18	0.521	0.41	0.7	
X967489	2.5	50.7	0.002	0.20	0.98	30.5	<1	0.5	823	0.21	0.06	1.10	0.468	0.48	0.6	
X967490	7.4	17.6	<0.002	0.01	0.44	18.0	1	1.2	534	0.24	<0.05	2.27	0.330	0.21	0.9	
X967491	3.0	52.9	<0.002	0.26	1.01	32.1	<1	0.6	802	0.24	0.05	1.17	0.474	0.48	0.6	
X967492	2.6	55.0	<0.002	0.12	0.94	31.2	<1	0.6	877	0.24	0.06	1.17	0.487	0.57	0.6	
X967493	2.6	49.4	<0.002	0.09	1.29	33.8	1	0.6	1140	0.23	0.05	1.09	0.462	0.44	0.6	
X967494	1.9	58.2	<0.002	0.08	1.11	33.3	<1	0.6	872	0.22	0.07	1.07	0.453	0.50	0.5	
X967495	2.1	57.5	<0.002	0.29	1.43	32.8	<1	0.6	920	0.21	0.06	1.06	0.476	0.50	0.5	
X967496	2.2	53.4	<0.002	0.18	1.09	34.2	1	0.6	990	0.23	0.06	1.13	0.475	0.48	0.6	
X967497	2.5	36.0	<0.002	0.60	1.58	28.6	1	0.9	1460	0.07	0.27	1.42	0.338	0.39	1.1	
X967498	1.6	68.4	<0.002	0.97	1.17	40.9	1	0.7	716	0.15	0.35	1.44	0.427	0.56	0.7	
X967499	1070	18.5	0.018	6.95	44.6	6.3	31	18.0	78.4	0.24	0.37	2.78	0.116	6.45	2.7	
X967500	2.3	54.4	<0.002	0.19	1.30	32.1	<1	0.7	1025	0.27	0.11	1.13	0.459	0.48	0.6	
X967501	2.0	60.0	<0.002	2.24	1.19	34.1	1	0.8	629	0.18	0.46	1.47	0.406	0.54	0.9	
X967502	2.1	53.6	<0.002	0.31	1.10	30.4	1	0.6	1075	0.24	0.06	1.14	0.465	0.45	0.6	
X967503	3.4	50.1	<0.002	0.20	1.41	32.0	1	0.7	1150	0.27	0.06	1.20	0.467	0.46	0.6	
X967504	2.8	55.0	<0.002	0.59	1.30	29.2	1	0.5	1245	0.13	0.09	1.54	0.417	0.53	0.8	
X967505	3.0	56.0	0.002	0.26	1.45	37.5	1	0.6	1175	0.22	0.08	1.08	0.451	0.51	0.5	
X967506	3.9	63.0	<0.002	0.58	1.61	33.4	1	0.6	903	0.18	0.13	1.12	0.429	0.52	0.6	
X967507	4.6	86.6	<0.002	1.42	1.41	49.8	1	0.6	617	0.11	0.17	1.29	0.385	0.70	0.7	
X967508	4320	18.0	0.018	>10.0	182.0	4.8	122	18.2	83.3	0.15	0.25	1.48	0.083	13.10	1.9	
X967509	5.9	50.4	0.002	0.54	1.63	31.5	1	0.6	1060	0.24	0.11	1.03	0.463	0.42	0.5	
X967510	4.1	26.5	<0.002	0.22	1.57	22.9	1	0.6	1605	0.28	0.05	1.86	0.410	0.26	1.0	
X967511	2.7	48.2	<0.002	0.60	1.48	39.4	1	0.7	1080	0.17	0.05	1.13	0.454	0.40	0.6	
X967512	2.8	48.0	0.002	0.25	2.10	40.0	1	0.6	708	0.15	<0.05	0.80	0.447	0.37	0.4	
X967513	1.8	42.0	<0.002	0.26	2.24	36.8	1	0.5	543	0.11	0.07	0.83	0.353	0.33	0.4	
X967514	2.4	52.2	<0.002	0.09	1.95	41.7	1	0.5	363	0.12	<0.05	0.75	0.430	0.43	0.3	
X967515	2.2	50.9	<0.002	0.11	1.75	39.7	1	0.6	436	0.13	0.06	0.79	0.414	0.40	0.4	
X967516	2.2	53.6	<0.002	0.31	1.32	38.5	1	0.6	412	0.13	0.06	0.80	0.410	0.44	0.4	
X967517	7.5	23.7	0.002	0.01	0.45	17.7	<1	1.1	493	0.23	<0.05	2.31	0.304	0.18	1.0	
X967518	2.7	51.4	<0.002	0.32	1.79	42.0	1	0.6	680	0.14	0.06	0.81	0.417	0.39	0.4	
X967519	2.8	34.3	0.002	0.98	1.64	22.1	1	0.7	1410	0.27	0.16	2.28	0.366	0.29	1.2	
X967520	2.6	52.1	0.002	0.77	1.25	37.6	1	0.6	660	0.13	0.12	1.11	0.447	0.39	0.5	
X967521	3.1	53.0	0.003	0.41	1.33	42.0	1	0.6	717	0.13	0.18	1.11	0.425	0.43	0.5	



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V	W	Y	Zn	Zr	Zn
		ppm	ppm	ppm	ppm	ppm	%
		1	0.1	0.1	2	0.5	0.001
X967482		277	0.4	17.1	50	22.7	
X967483		301	0.5	14.4	81	17.1	
X967484		202	0.5	12.0	99	8.8	
X967485		303	0.5	14.6	76	28.3	
X967486		294	0.4	15.8	49	16.4	
X967487		286	0.4	15.4	51	16.4	
X967488		299	0.4	14.3	44	21.5	
X967489		294	0.3	15.5	47	17.2	
X967490		150	1.7	19.4	67	19.4	
X967491		288	0.4	15.3	50	18.2	
X967492		298	0.3	16.4	53	16.8	
X967493		284	0.4	15.4	54	17.9	
X967494		278	0.3	15.0	49	16.8	
X967495		299	0.5	15.6	61	19.8	
X967496		289	0.4	16.2	46	18.3	
X967497		289	0.7	11.6	27	15.3	
X967498		308	0.7	14.7	45	21.1	
X967499		75	1.8	10.6	7430	47.8	
X967500		275	0.4	15.9	53	20.2	
X967501		293	0.5	13.5	53	21.6	
X967502		285	0.4	15.6	43	14.4	
X967503		284	0.4	16.3	44	18.3	
X967504		271	0.5	15.3	36	17.9	
X967505		285	0.4	15.5	42	18.1	
X967506		289	0.5	14.5	51	16.2	
X967507		302	0.8	12.9	119	16.2	
X967508		70	2.3	8.4	>10000	30.1	1.385
X967509		283	0.4	14.9	60	16.2	
X967510		257	0.4	14.6	40	26.8	
X967511		298	0.5	14.7	61	20.3	
X967512		287	0.4	13.4	64	18.9	
X967513		243	0.4	11.3	60	16.0	
X967514		282	0.4	12.7	59	15.9	
X967515		269	0.5	13.4	56	18.7	
X967516		265	0.3	13.1	56	16.9	
X967517		139	1.4	20.2	62	17.8	
X967518		273	0.3	13.1	60	17.3	
X967519		227	0.5	15.4	37	28.2	
X967520		292	0.3	13.9	60	17.8	
X967521		275	0.3	14.6	56	18.6	



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CERTIFICATE OF ANALYSIS VA18294775

Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA23	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
X967522		2.30	<0.005	0.05	6.84	5.7	510	0.81	0.06	9.98	0.08	17.05	43.9	214	1.11	140.0
X967523		2.14	0.018	0.07	7.06	10.2	490	0.80	0.07	9.96	0.09	17.95	50.4	199	1.17	147.5
X967524		4.56	<0.005	0.08	6.29	6.7	590	0.94	0.05	9.59	0.08	16.15	49.8	225	1.16	191.0
X967525		2.90	<0.005	0.08	7.01	6.2	770	0.96	0.06	8.06	0.05	17.40	32.0	121	1.42	141.5
X967526		2.26	<0.005	0.09	9.47	1.3	600	1.04	0.12	7.12	0.07	24.2	28.8	12	1.00	197.0
X967527		2.76	<0.005	0.06	7.42	25.8	530	1.02	0.06	9.57	0.08	16.90	36.5	155	1.31	123.5
X967528		2.98	<0.005	0.06	6.55	29.6	590	0.90	0.04	9.57	0.08	15.50	51.6	240	1.36	162.5
X967529		4.24	0.049	0.08	6.43	21.6	560	0.81	0.04	9.71	0.08	15.90	44.3	241	1.28	166.0
X967530		4.46	0.028	0.09	6.38	20.0	470	0.86	0.03	9.61	0.07	13.95	37.1	169	1.67	151.0
X967531		5.06	<0.005	0.10	6.26	27.2	780	0.89	0.04	9.89	0.09	17.20	48.3	277	1.45	221
X967532		4.06	<0.005	0.09	6.62	6.5	770	0.93	0.06	10.95	0.07	16.95	50.6	208	0.93	277
X967533		4.54	<0.005	0.27	6.67	9.2	740	0.95	0.08	10.45	0.19	17.05	60.1	228	0.98	569
X967534		4.20	<0.005	0.10	6.30	11.1	520	0.80	0.07	9.99	0.09	16.10	46.7	264	1.09	260
X967535		0.14	0.277	19.65	3.64	290	200	0.50	10.45	2.48	51.1	22.8	18.3	54	1.03	2360
X967536		4.20	<0.005	0.09	6.56	17.0	800	0.94	0.09	10.15	0.11	16.65	47.4	254	1.08	219
X967537		5.02	<0.005	0.08	6.61	7.9	650	0.82	0.07	10.00	0.09	16.05	46.9	241	0.86	213
X967538		5.14	<0.005	0.10	6.56	4.8	740	0.87	0.08	9.61	0.09	16.55	52.0	233	0.85	286
X967539		3.92	<0.005	0.12	6.46	1.9	720	0.91	0.10	9.92	0.09	16.15	53.5	249	0.72	310
X967540		3.68	<0.005	0.08	6.64	6.5	410	0.79	0.05	10.10	0.10	16.40	40.7	207	0.71	156.5
X967541		4.68	<0.005	0.07	6.36	25.9	550	0.93	0.05	10.70	0.09	16.10	51.6	264	0.85	146.0



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CERTIFICATE OF ANALYSIS VA18294775

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
X967522		7.73	14.75	0.09	0.7	0.060	1.46	7.8	9.1	5.15	1270	0.36	1.65	2.5	76.2	1570
X967523		7.95	15.45	0.10	0.8	0.070	1.51	8.1	9.7	5.08	1280	0.50	1.73	2.7	81.0	1660
X967524		8.23	14.45	0.10	0.8	0.075	1.60	7.2	10.4	5.34	1290	0.48	1.39	2.0	87.7	1480
X967525		7.55	16.10	0.10	0.7	0.082	1.88	8.6	11.3	4.06	1160	0.61	2.30	2.5	39.7	1870
X967526		6.70	18.90	0.11	1.1	0.081	1.52	11.9	8.8	2.53	1020	0.84	3.70	4.1	14.6	2260
X967527		8.89	16.35	0.11	0.8	0.092	1.56	7.8	9.2	4.99	1360	1.18	1.71	2.3	63.0	1660
X967528		8.47	13.80	0.10	0.7	0.074	1.79	6.8	11.4	5.57	1320	1.60	1.45	2.1	88.7	1490
X967529		8.24	13.80	0.10	0.7	0.070	1.67	7.1	10.1	5.50	1210	1.05	1.54	2.2	85.4	1460
X967530		8.50	14.15	0.09	0.7	0.072	1.90	6.0	11.6	5.12	1100	2.88	1.57	1.8	67.8	1580
X967531		8.78	14.00	0.11	0.6	0.087	1.82	7.9	11.4	5.98	1330	1.13	1.46	2.2	96.9	1400
X967532		8.31	15.20	0.10	0.8	0.068	1.76	7.7	11.7	5.45	1310	1.13	1.21	2.5	76.2	1710
X967533		9.09	14.70	0.09	0.8	0.091	1.73	7.9	11.1	5.50	1320	1.22	1.42	2.3	83.0	1500
X967534		8.72	13.85	0.10	0.6	0.092	1.54	6.9	9.3	5.77	1300	0.84	1.32	2.2	84.4	1470
X967535		9.60	13.25	0.16	1.4	1.910	0.49	12.2	28.0	2.84	565	13.85	0.11	3.4	34.5	460
X967536		8.48	13.90	0.10	0.6	0.073	1.60	7.1	9.5	5.72	1390	0.59	1.60	2.2	83.0	1520
X967537		8.08	14.15	0.09	0.7	0.066	1.41	7.3	8.8	5.48	1300	0.57	1.60	2.2	81.2	1520
X967538		8.64	14.30	0.09	0.7	0.074	1.53	7.4	9.5	5.58	1310	0.73	1.46	2.3	82.5	1490
X967539		8.63	14.40	0.09	0.7	0.072	1.41	6.8	9.1	5.63	1330	0.60	1.41	2.1	85.9	1430
X967540		7.85	14.35	0.10	0.7	0.070	1.16	7.6	6.9	5.25	1250	0.54	1.46	2.9	78.0	1510
X967541		8.35	14.10	0.09	0.7	0.077	1.45	7.1	8.8	6.09	1390	0.54	1.17	2.1	90.6	1410



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CERTIFICATE OF ANALYSIS VA18294775

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
X967522		3.1	50.3	<0.002	0.57	1.10	36.2	1	0.5	753	0.15	0.09	1.16	0.421	0.41	0.5
X967523		3.3	54.2	0.002	0.66	1.15	37.7	1	0.6	769	0.16	0.15	1.23	0.444	0.42	0.6
X967524		2.6	56.4	0.002	0.83	1.11	40.4	1	0.6	647	0.12	0.11	1.09	0.414	0.44	0.5
X967525		1.9	61.7	0.003	0.85	1.33	33.0	1	0.6	772	0.14	0.15	1.70	0.359	0.44	0.8
X967526		2.9	45.4	<0.002	1.01	1.22	21.5	1	0.7	1885	0.27	0.19	2.93	0.440	0.32	1.5
X967527		3.2	52.7	0.002	0.64	1.64	41.7	1	0.8	1335	0.15	0.13	1.22	0.492	0.39	0.7
X967528		2.3	63.0	0.004	0.75	1.12	40.7	1	0.6	457	0.13	0.09	1.00	0.432	0.42	0.5
X967529		2.3	57.9	0.002	0.73	0.98	38.8	1	0.6	423	0.13	0.08	0.99	0.431	0.42	0.5
X967530		2.0	71.5	0.004	0.74	1.44	41.3	1	0.8	1315	0.11	0.12	1.12	0.372	0.51	0.7
X967531		2.2	60.1	0.002	0.83	1.07	44.1	1	0.7	502	0.13	0.12	1.03	0.434	0.39	0.6
X967532		2.2	51.6	<0.002	1.27	1.09	41.5	1	0.7	1635	0.15	0.16	1.16	0.425	0.30	0.6
X967533		2.1	52.7	<0.002	1.47	1.19	38.2	1	0.7	1250	0.13	0.22	1.06	0.435	0.33	0.7
X967534		2.1	51.6	<0.002	1.02	0.99	39.1	1	0.7	831	0.14	0.12	1.01	0.415	0.34	0.6
X967535		1160	19.2	0.019	7.55	47.8	6.4	33	19.3	82.5	0.24	0.35	2.80	0.125	6.69	2.6
X967536		2.5	48.7	0.002	1.07	0.93	40.2	1	0.7	625	0.12	0.13	1.07	0.431	0.32	0.5
X967537		2.3	44.9	<0.002	1.12	0.91	38.3	1	0.6	637	0.13	0.11	1.07	0.418	0.31	0.5
X967538		2.2	48.8	0.002	1.31	0.99	38.0	1	0.6	748	0.13	0.15	1.08	0.426	0.35	0.6
X967539		2.2	43.9	<0.002	1.42	1.20	41.0	1	0.6	929	0.13	0.19	1.04	0.421	0.29	0.6
X967540		3.0	39.3	0.002	0.88	1.04	35.8	1	0.6	595	0.17	0.09	1.08	0.429	0.26	0.5
X967541		3.0	50.3	0.002	0.76	1.19	41.0	1	0.6	601	0.12	0.12	1.02	0.425	0.34	0.5



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Zn- OG62
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5	Zn % 0.001
X967522		279	0.3	13.8	47	19.1	
X967523		285	0.3	14.8	48	20.9	
X967524		279	0.3	13.5	52	21.4	
X967525		290	0.5	11.7	52	19.2	
X967526		302	0.4	17.6	42	33.4	
X967527		330	0.4	15.2	55	18.3	
X967528		285	0.3	13.2	55	18.6	
X967529		280	0.3	13.2	47	18.6	
X967530		278	0.3	12.7	42	18.7	
X967531		284	0.3	13.6	54	17.1	
X967532		298	0.3	13.5	46	22.9	
X967533		279	0.3	13.5	50	22.2	
X967534		270	0.3	12.6	49	16.5	
X967535		80	1.9	10.7	8080	46.7	
X967536		283	0.4	13.7	55	16.3	
X967537		277	0.4	13.4	48	17.7	
X967538		279	0.4	13.6	48	18.1	
X967539		280	0.3	13.3	48	21.4	
X967540		272	0.4	13.6	49	19.6	
X967541		274	0.3	13.4	55	18.0	



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CERTIFICATE COMMENTS																	
	ANALYTICAL COMMENTS																
Applies to Method:	REE's may not be totally soluble in this method. ME- MS61																
	LABORATORY ADDRESSES																
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.																
	<table border="0"> <tr> <td>Au- AA23</td> <td>CRU- 31</td> <td>CRU- QC</td> <td>DISP- 01</td> </tr> <tr> <td>LOG- 21</td> <td>LOG- 23</td> <td>ME- MS61</td> <td>ME- OG62</td> </tr> <tr> <td>PUL- 31</td> <td>PUL- QC</td> <td>SPL- 21</td> <td>WEI- 21</td> </tr> <tr> <td>Zn- OG62</td> <td></td> <td></td> <td></td> </tr> </table>	Au- AA23	CRU- 31	CRU- QC	DISP- 01	LOG- 21	LOG- 23	ME- MS61	ME- OG62	PUL- 31	PUL- QC	SPL- 21	WEI- 21	Zn- OG62			
Au- AA23	CRU- 31	CRU- QC	DISP- 01														
LOG- 21	LOG- 23	ME- MS61	ME- OG62														
PUL- 31	PUL- QC	SPL- 21	WEI- 21														
Zn- OG62																	