BC Geological Survey
Assessment Report
38093

BRITISH COLUMBIA
The Best Place on Earth

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]:

TOTAL COST: $15,531

AUTHOR(S): D. Cremonese, P.Eng. **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5709154, 5737728

PROPERTY NAME: Kobold

CLAIM NAME(S) (on which the work was done): 1057257

COMMODITIES SOUGHT: Cu, Co

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Skeena **NTS/BCGS:** 94E/15

LATITUDE: 57 ° 46 ' " **LONGITUDE:** 126 ° 56 ' " **(at centre of work)**

OWNER(S):
1) Silver Grail Resources Ltd. 2)

MAILING ADDRESS:
2130 Crescent Road
Victoria, BC V8S 2H3

OPERATOR(S) [who paid for the work]:
1) As above 2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Early Jurassic Granodiorites, RGS Stream anomaly, cobalt, copper, Takla Group, chalcopyrite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 28218, 29117
32243, 32686, 34540

Next Page

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			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt	2 -- 38 Element ICP	1057257	
Rock	21 -- 38 Element ICP ICP	1057257	(Collectively) $15,531
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$15.531

ASSESSMENT REPORT
ON
GEOCHEMICAL WORK
ON THE FOLLOWING CLAIM

#1057257

Kobold Property

STATEMENTS OF WORK - #5724013 & 5737728

Located
74 KM EAST OF STEWART,
BRITISH COLUMBIA SKEENA
MINING DIVISION

57 degrees 46 minutes latitude
126 degrees 56 minutes longitude

MAPSHEETS 94E/15

PROJECT PERIOD: July 20 to August 30, 2018

ON BEHALF OF
SILVR GRAIL RESOURCES LTD.
VICTORIA, B.C.

REPORT BY

D. Cremonese, P. Eng.
2130 Crescent Road, Victoria, BC

Date: April 11, 2019

TABLE OF CONTENTS

1. INTRODUCTION

A. Property, Location, Access and Physiography

The Kobold property is located about 195km east-southeast of Dease Lake and about 88km north of the Kemess mine. It is 63km north of the Sturdi Airstrip and 74km east of Hyland Post. During the work program, the crew stayed at a lodge in Hyland Post. Access to the property can be difficult because of its remote location and is by helicopter.

Climate in the area consists of lengthy winters followed by a short summer when milder temperatures prevail. Precipitation, mostly snow in the winter months, is moderate. Terrain along valley bottoms is relatively gentle with frequent small lakes, however higher elevations tend to rugged. Vegetation consists of stands of spruce and fir thinning out to tree line. Elevations vary from 1,300m to almost 2,000m.

B. Status of Property

Relevant information for the claim comprising the Kobold property is found below:

Name	Tenure Number	Current Expiry Date	Area (ha)
Kobold	1057257	2022/Dec/20	690.55

Claim location is shown on Fig. 2. The expiry date assumes the acceptance of this report. The Kobold claim legal title rests with Deborah Shilling, the beneficial title with Silver Grail Resources Ltd.

C. History

Work in the area was sparked by a BC government regional geochemical survey which produced an outstanding silt anomaly on the main stream within the Kobold claim--2,800ppm copper and 279ppm cobalt. This result ranks within the ten highest obtained among thousands for both copper and cobalt in the province. Follow-up silt sampling by Amarc Resources in 2005 and subsequently by Hard Creek Nickel confirmed the anomaly. Amarc Resources registered a top value of 2,702ppm copper and 494ppm cobalt while Hard Creek Nickel recorded a number of high silt numbers to a maximum of 3,719ppm copper and 381ppm cobalt.

Prospecting by both companies, however, failed to disclose a source for the copper-cobalt silt anomalies. Although a number of rock samples were taken all copper and cobalt numbers were low. Satellite imagery analyses and air photo lineament studies were also undertaken. This work suggested that large areas within and outside the present claim boundaries were iron-oxide

enriched. Further work, consisting of detailed silt sampling, talus fine sampling, soil sampling and property wide mapping of geology, alteration, mineralization and structure was recommended.

The following year saw a small part of the recommendations carried out, consisting of minor follow-up prospecting and silt sampling. This limited program did not shed any light on the source of the high copper-cobalt RGS anomaly. Some small mineralized occurrences were also found outside the boundaries of the current claim.

D. References

BOWEN, P.K. P.ENG. (2006); "Assessment Report on Geochemical and Prospecting Surveys, Air Photo Lineament Study, and Satellite Imagery Analyses on the Cop and Westcop Claims, Chukachida Lake Area, Northern British Columbia." Ass't Report #28218 on file with BCMEMPR.

BOWEN, P.K. P.ENG. (2007); "Assessment Report on Geochemical and Prospecting Surveys on the Cop and Westcop Claims, Chukachida Lake Area, Northern British Columbia." Ass't Report #29117 on file with BCMEMPR.

Snow 1-16 Showing, 094E 258, Minfile Detail Report, BC Geological Survey, BCMEMPR

E. Summary of Work Done.

The 2018 Kobold geochemical program was part of a larger, summer program involving exploration of several Teuton properties in the Stewart region of northwestern British Columbia. This field work spanned the period from July 20 to September 30, 2018. Field crew for the Kobold program consisted of geologist Ken Konkin and geologist Jeff Austin. The author of this report was also in Stewart during this time and provide supervisory assistance.

Crew were flown into and out of the Kobold property directly from Stewart using a Hughes 500D helicopter contracted to Teuton from Bajo Reef Helicopters. Both geologists and the pilot stayed at the Hyland Post hunting lodge during the two day stay, located 74km west of the property.

The program consisted of surface rock geochem sampling and minor silt sampling over areas of interest within the properties. Three barrels of helicopter fuel necessary for the project were flown into Hyland Post by fixed wing (Tsayta Aviation). This manner of accessing the property was considered cheaper and more flexible than any alternative. Other methods of access looked at required two extra days of travel by truck north from Stewart (there and back) and then would have required hiring another helicopter company, probably a much more expensive machine, while also

necessitating the payment of 3 hour minimums for two days in order to keep the machine with the crew (allowing unrestricted access to various parts of the property).

A total of 21 rock samples and two silts were collected during this program. All samples were prepared and analyzed by ICP at the Activation Labs facility in Kamloops, BC.

2. TECHNICAL DATA AND INTERPRETATION

A. Regional and Property Geology

The Kobold property is underlain by Jurassic age intrusives composed mainly of granodiorite occurring within a large batholith in the Quesnel Terrane (see Fig. 3, Geology Map) . Regionally, small roof pendants of volcanic rocks have been noted at several locations within this batholith as well as ultramafic rocks.

In regard to the property itself, geologist Ken Konkin noted that although the property was primarily underlain by granodiorite, some fine-grained to massive andesites were also observed. These were well-fractured, probably of older Permian to Devonian age, and likely roof pendants within the early Jurassic granodiorites. Also seen were fine- grained 'basaltic volcanics' which may have been late Triassic ultramafics also hosted within the early Jurassic granodiorites. Coincidentally, he noted, these occurrences were precisely what has been mapped several kilometers to the southeast on trend with the Kobold claim.

Coincidentally the occurrences described above conform with what has been depicted within mapped geological units outcropping several kilometers to the southeast on trend to the Kobold Claims.

B. Geochemistry – Rock and Silt

a. Introduction

Locations for 21 rock samples and two silt samples, recorded in this report in Appendix IV, were taken either by geologists Ken Konkin or Jeff Austin during the 2018 program and were logged and recorded with a handheld GPS unit.

b. Treatment of Data

Results for each of the soil and rock samples are presented in this report in Figs. 4 and 5, with locations for each of these figures indexed as against claim boundaries on Fig. 2. The figures

present cobalt and copper values in a table for each sample number, with increasing values represented by differently coloured dots.

The various geochem maps are summarized below:

Fig. 4 Cu in Rocks
Fig. 5 Co in Rocks

As in other small-scale surveys, a statistical treatment according to standard methods was not deemed practical. In lieu of such treatment, the author has simply chosen anomalous levels by reference to several rock geochemical and silt programs conducted over other properties in northwestern British Columbia over the past thirty years.

On this basis, anomalous levels are as indicated below:

Element	Anomalous Above* Stream	Anomalous Above* Rock
Copper	120 ppm	200 ppm
Cobalt	50 ppm	90 ppm

*Anomalous ranges will vary greatly according to rock type and area. For this reason, defining anomalous levels for any particular property based on regional averages is somewhat arbitrary

c. Sample Descriptions

Rock Samples

Rock geochemical sample descriptions follow. Where any values for copper or cobalt are anomalous, the complete set of values has been included (along with a description and the anomalous values highlighted in bold).

H427033—Float sample from moraine. 7cm wide white vein (albite?) with pink staining (erythrite?) and pyrolusite; in diorite plag and pyroxene intrusive; clot of chalcopyrite seen in the diorite.

H427529—Float in moraine; angular gossanous boulder of diorite with a soft limonite crust and light orange stain within; 1-2% pyrite as clots and aggregates and 0.5% chalcopyrite as clots.

H427530—Float; angular boulder at the top of ridge; diorite (possibly basalt) mafic intrusive fragmental rock with plagioclase and pyroxene; disseminated euhedral pyrite 1-2%.

H427531—Float; orange iron carbonate altered diorite with cross cutting quartz veinlets; 1-2% disseminated euhedral pyrite.

H427532--Random float in talus field; coarse grained chlorite altered diorite; white plagioclase with pyroxene crystals; pink staining on rock but no observed sulphides.

H427533—Float from talus slope; pegmatite of plagioclase and pyroxene (augite) crystals and trace quartz; 1% pyrite cubes.

H427534—Float; orange iron carbonate altered diorite medium grained with 3-4% pyrite disseminated.

H427535—Float; Pilot found this sample while waiting for us; float with disseminated pyrite and magnetite, and a copper coloured mineral very small hard to identify with hand lens possibly native silver.

Cu - 2,220 ppm
Co - 118 ppm

H427536—Float at base of talus next to small lake; green white fine grained diorite with 4-5% disseminated pyrite.

Cu - 383 ppm
Co - 117 ppm

H427537—Float; very strong gossan; andesite - may be a sheared diorite recrystallized; pyrite forms foliation of discontinuous bands, euhedral pyrite 5-7%.

Cu - 380 ppm
Co - 98 ppm

H427538—Float; green fine grained plagioclase porphyry andesite; yellow green oxidation; 2-4% disseminated pyrite.

S022437—Grab from talus; angular 1-3m blocks cg diorite with mod-strongly magnetic, F2lim, tr-1% diss fg PY, P2chl.

S022438—Random grab from gossanous shear top of ridgeline, mod magnetic V4fg in shear zone trending west, near vertical, P2sil, 3-5% brassy diss PY with anahedral 1-2mm PY vlts, F1hem/lim.

Cu	**-**	**335**	**ppm**
Co	-	27	ppm

S022439—Select grab; gossanous shear top of ridgeline, mod magnetic V4fg in shear zone trending west, near vertical, P2sil, 3-5% brassy diss PY with anahedral 1-2mm PY vlts, F1hem/lim.

Cu	**-**	**276**	**ppm**
Co	-	24	ppm

S022440—Select grab; mg-cg diorite, 2-3% chalky precipitate of WS over what appears to be pale grey lichen at Silt 2 site. Possibly pink precipitate is erythrite?

S022441—Select grab; other half of the same sample above without any pink chalky precipitate, mg-cg diorite, magnetic with tr<1% diss fg PY, from 1-3m angular boulders at base of waterfall, clean rock.

S022442—Talus; v angular qtz vein frag, 2-3% 1-3mm fg PY vlts, tr-1% diss fg PY, P2lim, drusy vuggy white limonitic stained qtz.

S022443—Talus; possibly siled vol/sed, Fe-carb alted chalky orange talus frag, very silceous host withj drusy vuggy 1-2 cm qtz stringers with 2-3% fg-mg euhedral PY, F1lim, P1sil, P2chl.

S022444—Random grab: WS1hem/lim P1sil vol, 2-3% fg grey-bk diss PY, FS grey-green, P2chl, base of cliff.

S022445-- Talus; center of talus pile, FS grey-green V4fg, 3-5% diss fg-mg euhedral+anahedral PY, P2sil, Fol2, WS1hem/lim.

Cu	**-**	**348**	**ppm**
Co	-	74	ppm

S022446—Talus; side of large talus, WS1hem/lim, FS med green-black, hornsfels V4m, 5-7% epidote vlts 1-10mm, fg-mg diss brassy euhedral PY

Silt Samples

S-1	**Cu**	**-**	**498**	**ppm**
	Co	**-**	**50**	**ppm**
S-2	**Cu**	**-**	**130**	**ppm**
	Co	-	29	ppm

C. Discussion

Six of the twenty-one samples taken during the survey returned anomalous copper values ranging between 276 and 2,220ppm. Three of the samples returned slightly anomalous cobalt values ranging between 98 and 118ppm. The S-1 silt sample provided a very anomalous copper value of 498ppm with a marginally anomalous cobalt of 50ppm.

Unfortunately, low cloud occurring during the two-day visit precluded a full examination of previously selected targets within the claims area. More work needs to be done to ascertain the source of the very high copper-cobalt RGS stream anomaly.

D. Field Procedure, Core Details and Laboratory Analysis

Analysis of rock and silt specimens collected during the 2018 program was carried out at the Activation Labs facility in Kamloops, BC. Methodology: 0.5 g of sample is digested with aqua regia for 2 hours at 95 °C. The sample is cooled and then diluted with deionized water. The samples are then analyzed using an Agilent 700 series ICP for the 38 element suite. QC for the digestion is 15% for each batch, 2 method reagent blanks, 6 in-house controls, 8 sample duplicates and 5 certified reference materials. An additional 20% QC is performed as part of the instrumental analysis to ensure quality in the areas of instrumental drift.

E. Conclusions

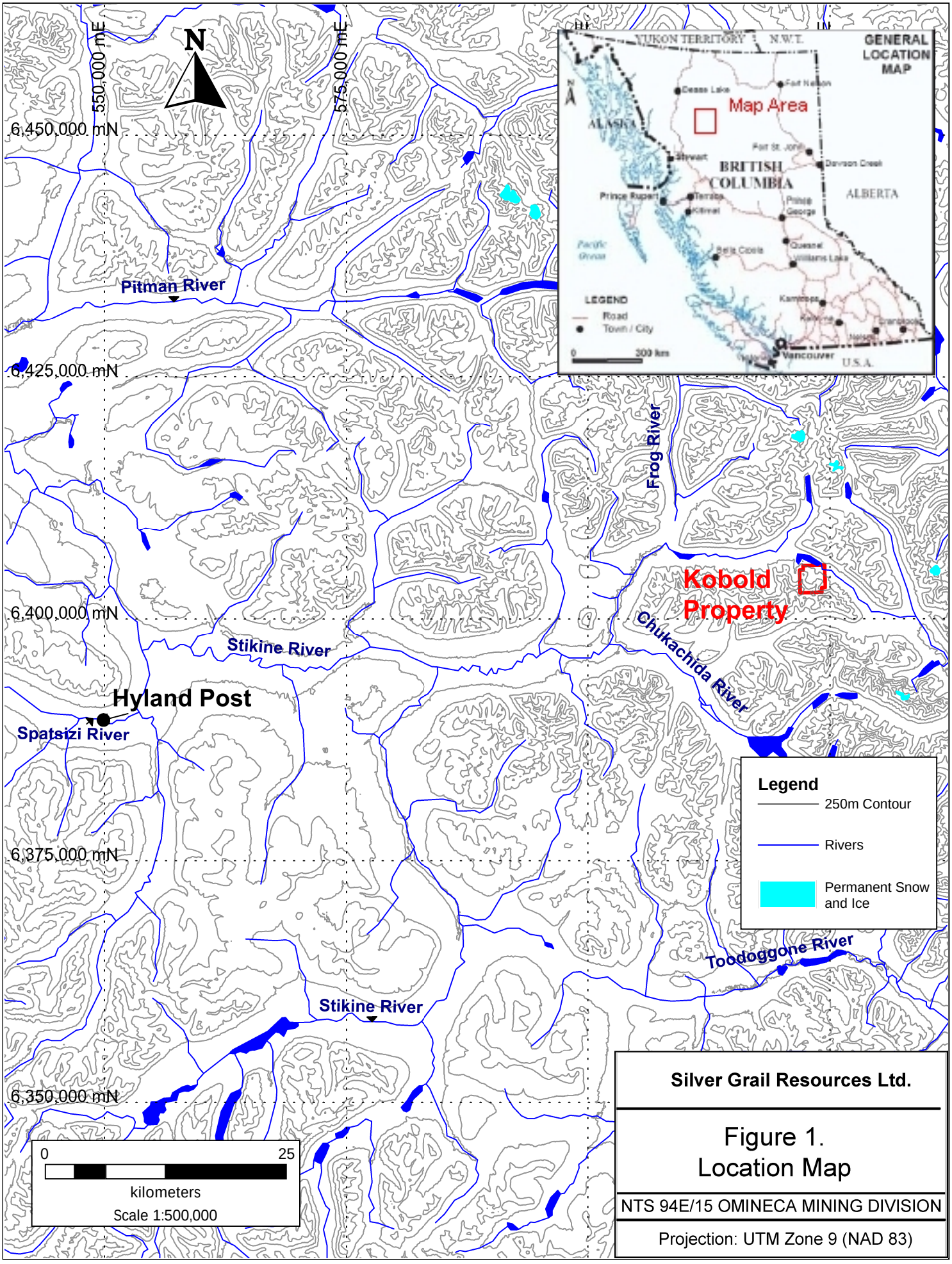
The mystery of the source of the high copper-cobalt anomaly obtained during a RGS survey remains unsolved. Quite likely it lies somewhat at depth, either that or the surface exposure is obscured by overburden. It also is probable that such source, if it exists, lies not far from the location of the three or four very high silt numbers that were taken by previous operators.

Geologist Ken Konkin finds the positive correlation between copper and cobalt anomalies taken during the 2018 survey as very encouraging, noting that several Cu-Co-Ni Triassic deposits occur associated with rift-related ultramafic complexes globally.

Perhaps the next step in exploration of this property is some form of airborne geophysical survey. It will be expensive, but it may be the only way of conclusively determining whether or not the stream anomaly is signaling a potentially economic mineral deposit.

Respectfully submitted,

D. Cremonese, P.Eng.
April 11, 2019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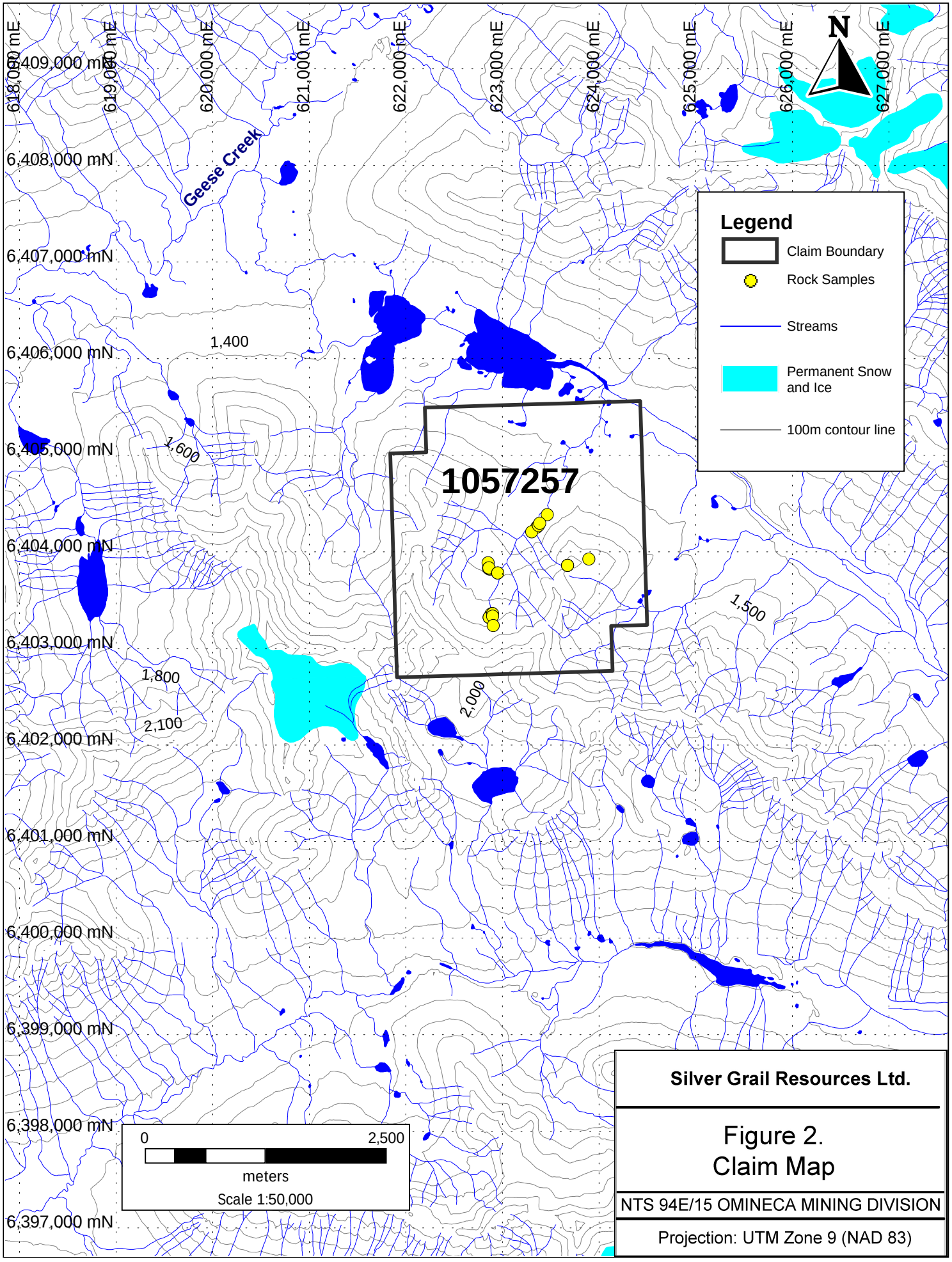
6,400,000 mN
6,375,000 mN
6,350,000 mN
Pitman River
Frog River
Kobold Property
Chukachida River
Stikine River
Hyland Post
Spatsizi River
Toodoggone River
Stikine River
GENERAL LOCATION MAP
YUKON TERRITORY
N.W.T.
ALASKA
BRITISH COLUMBIA
ALBERTA
Map Area
Vancouver
U.S.A.
LEGEND
Road
Town / City
Legend
250m Contour
Rivers
Permanent Snow and Ice
0
25
kilometers
Scale 1:500,000
Silver Grail Resources Ltd.
Figure 1.
Location Map
NTS 94E/15 OMINECA MINING DIVISION
Projection: UTM Zone 9 (NAD 83)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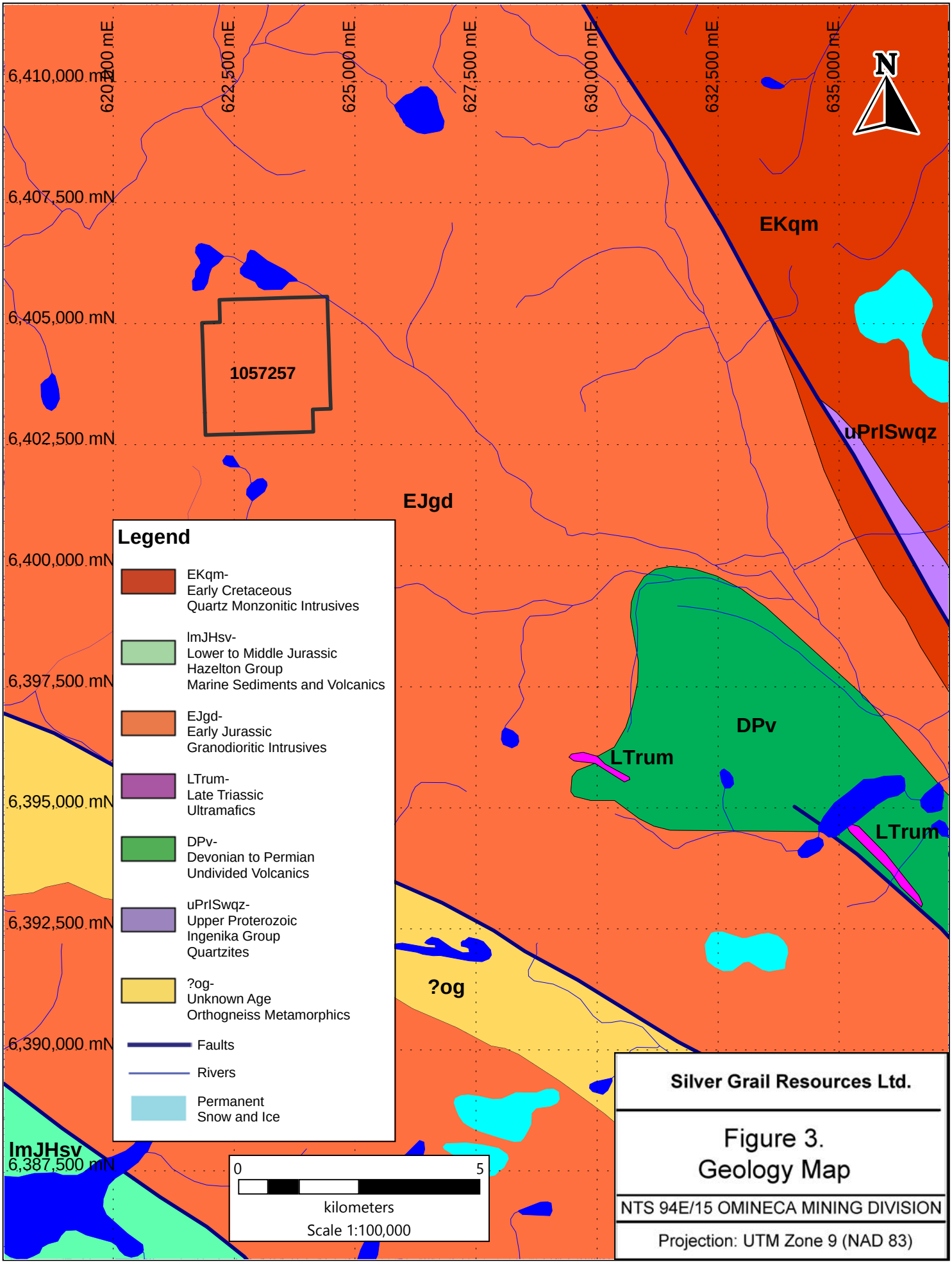
6,397,000 mN
N
Geese Creek
1,400
1,600
1,800
2,100
2,000
1,500
1057257
Legend
Claim Boundary
Rock Samples
Streams
Permanent Snow and Ice
100m contour line
0
2,500
meters
Scale 1:50,000
Silver Grail Resources Ltd.
Figure 2.
Claim Map
NTS 94E/15 OMINECA MINING DIVISION
Projection: UTM Zone 9 (NAD 83)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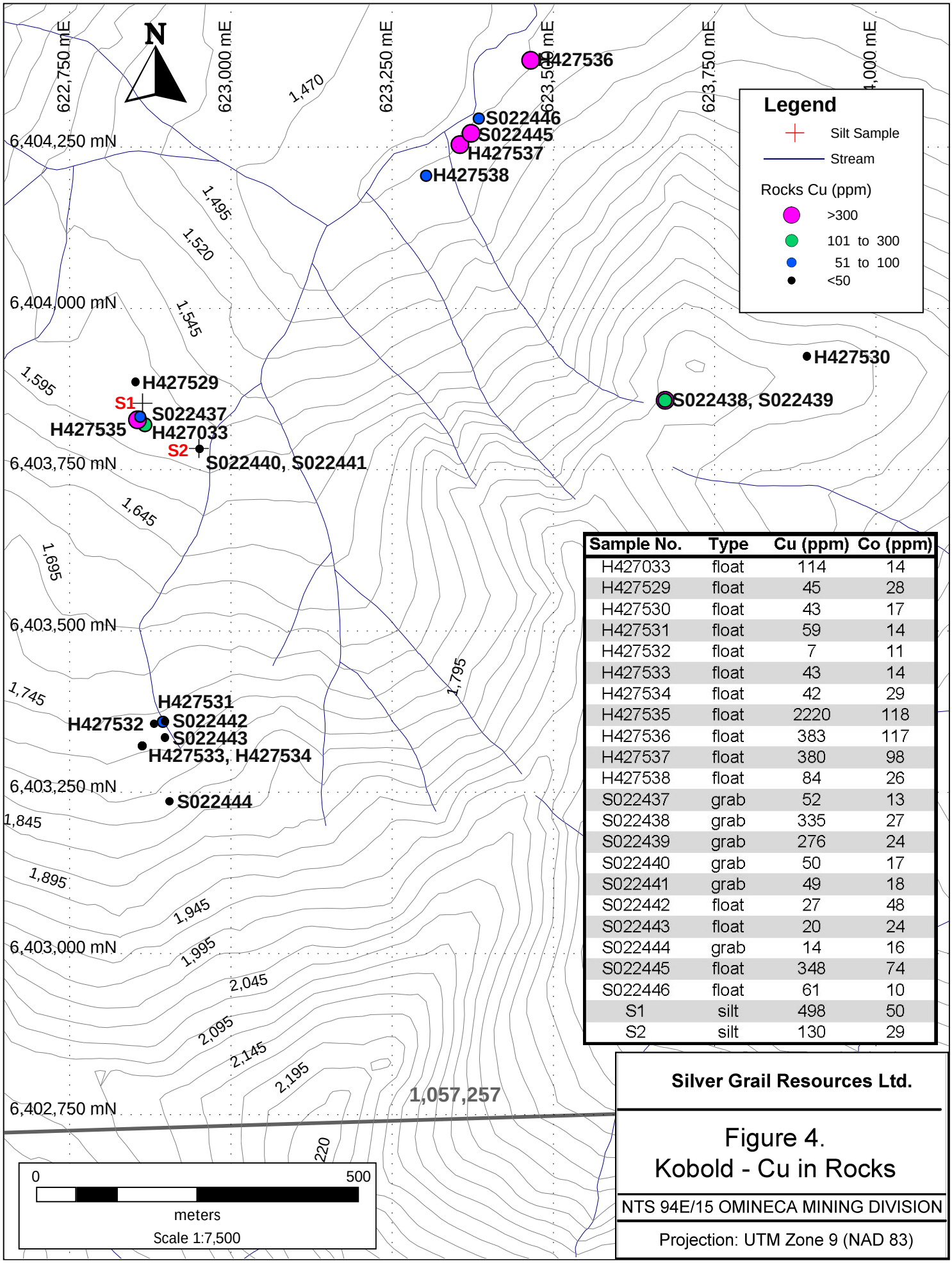
N
1057257
EKqm
uPrISwqz
EJgd
DPv
LTrum
LTrum
?og
lmJHsv
Legend
EKqm-
Early Cretaceous
Quartz Monzonitic Intrusives
lmJHsv-
Lower to Middle Jurassic
Hazelton Group
Marine Sediments and Volcanics
EJgd-
Early Jurassic
Granodioritic Intrusives
LTrum-
Late Triassic
Ultramafics
DPv-
Devonian to Permian
Undivided Volcanics
uPrISwqz-
Upper Proterozoic
Ingenika Group
Quartzites
?og-
Unknown Age
Orthogneiss Metamorphics
Faults
Rivers
Permanent
Snow and Ice
0
5
kilometers
Scale 1:100,000
Silver Grail Resources Ltd.
Figure 3.
Geology Map
NTS 94E/15 OMINECA MINING DIVISION
Projection: UTM Zone 9 (NAD 83)



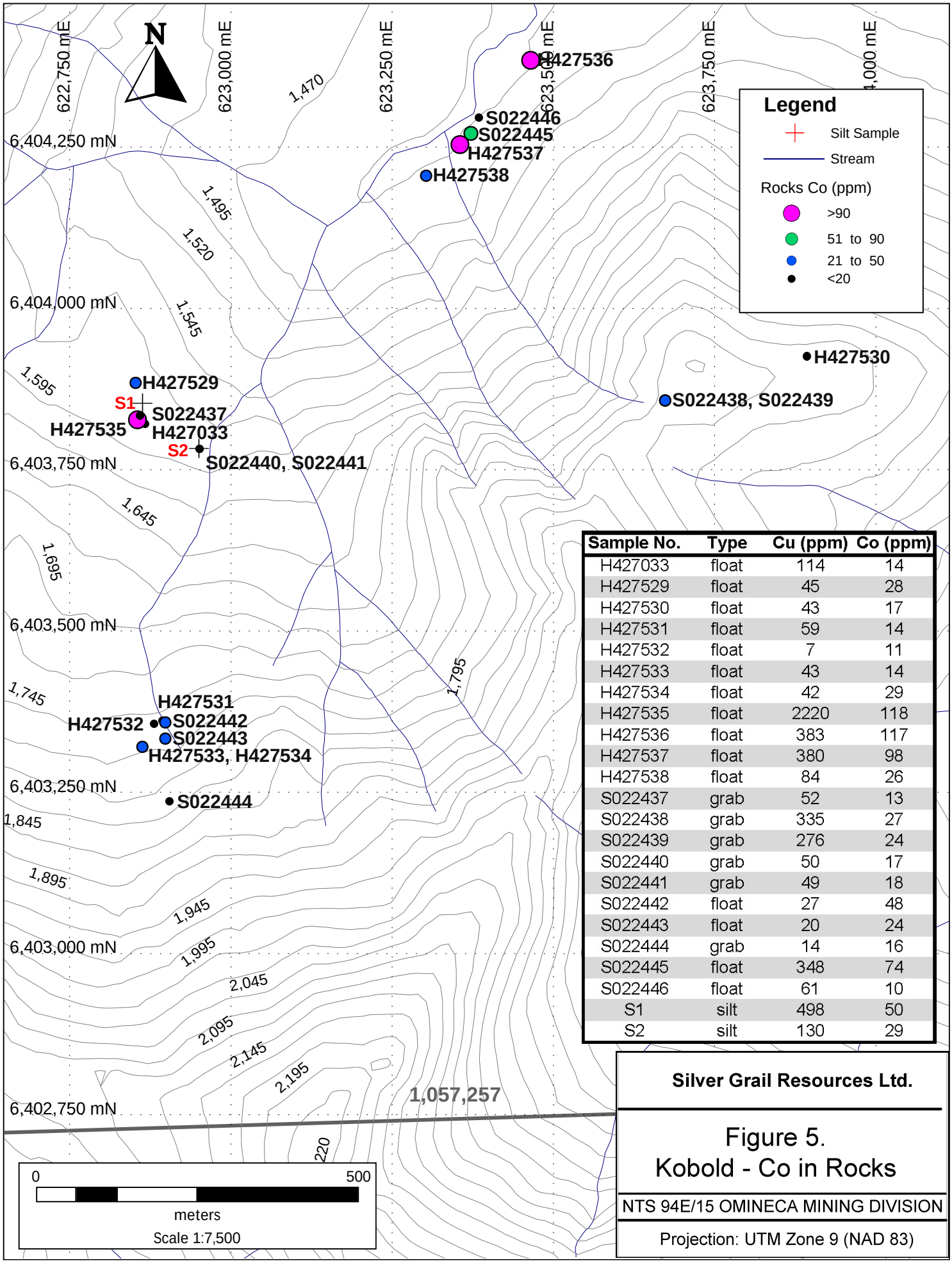
Sample No.	Type	Cu (ppm)	Co (ppm)
H427033	float	114	14
H427529	float	45	28
H427530	float	43	17
H427531	float	59	14
H427532	float	7	11
H427533	float	43	14
H427534	float	42	29
H427535	float	2220	118
H427536	float	383	117
H427537	float	380	98
H427538	float	84	26
S022437	grab	52	13
S022438	grab	335	27
S022439	grab	276	24
S022440	grab	50	17
S022441	grab	49	18
S022442	float	27	48
S022443	float	20	24
S022444	grab	14	16
S022445	float	348	74
S022446	float	61	10
S1	silt	498	50
S2	silt	130	29

Silver Grail Resources Ltd.

Figure 4.
Kobold - Cu in Rocks

NTS 94E/15 OMINECA MINING DIVISION

Projection: UTM Zone 9 (NAD 83)



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H427533	float	43	14
H427534	float	42	29
H427535	float	2220	118
H427536	float	383	117
H427537	float	380	98
H427538	float	84	26
S022437	grab	52	13
S022438	grab	335	27
S022439	grab	276	24
S022440	grab	50	17
S022441	grab	49	18
S022442	float	27	48
S022443	float	20	24
S022444	grab	14	16
S022445	float	348	74
S022446	float	61	10
S1	silt	498	50
S2	silt	130	29

Silver Grail Resources Ltd.

Figure 5.
Kobold - Co in Rocks

NTS 94E/15 OMINECA MINING DIVISION

Projection: UTM Zone 9 (NAD 83)

APPENDIX I - WORK COST STATEMENT

Field Personnel—Sept. 7-8, 2018	
Ken Konkin, Geologist 2 days @ $840/day	1,680
Jeff Auston, Geologist 2 days @ $500/day	1,000
Bajo Reef Helicopters—Sept. 7,8 2018	
5.3 hrs @ $1,118,30 (Hughes 500 with fuel)	5,927
Tsayta Aviation: Fly in three barrels of helicopter fuel and fly out	2,532
Flight to Hyland Post Lodge includes cost of fuel	
Food & Lodging (Geological Personnel plus helicopter pilot)	
Hyland Post Lodge 6 man-days @$100/man-day	600
Activation Laboratiories Sample Prep & Assays	
Au geochem/ICP 23 @ $32.55/sample	748
Truck/Radios/Sat. Phone/Internet/Field Supplies/Misc.	
4.44 % of $4,540	202
Personnel: Share of Standby Weather Days	
4.44 % of $6,700	298
Personnel Travel Costs and Wages—	
4.44 % of $7,760	344
Report Costs	
Report and map preparation, compilation and research	
D. Cremonese, P.Eng. 2.0 days @ $600/day	1,200
Technical Drawings and data compilation	
Jeff Auston 2 days @ $500/day	1,000
Total……	$15,531

Amount Claimed Per Statement of Work (not including 30% PAC withdrawal add-on)

--Per SOW 5724013 -- $ 3,452.77

--Per SOW 5737728 -- $12,000

Total $15,452.77*

*Please adjust PAC account accordingly

APPENDIX II – CERTIFICATE OF QUALIFICATION

I, Dino M. Cremonese, do hereby certify that:

1. I am a mineral property consultant with an office at 2130 Crescent Road, Victoria, B.C.
2. I am a graduate of the University of British Columbia (B.A.Sc. in metallurgical engineering, 1972, and L.L.B., 1979).
3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member, #13876.
4. I have practiced my profession since 1979.
5. This report is based upon work carried out on the Kobold property, Omineca Mining Division, in September of 2018. Reference to field notes and maps made by geologists Ken Konkin and Jeff Austin is acknowledged. I have full confidence in the abilities of both Mr. Konkin and Mr. Austin.
6. I am a principal of Silver Grail Resources Ltd.., owner of the Kobold property: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Victoria, B.C. this 11th day of April, 2019

Signed:

D. Cremonese, P.Eng.

APPENDIX III

ASSAY CERTIFICATES

Quality Analysis ... *Innovative Technologies*

Date Submitted: 11-Sep-18
Invoice No.: A18-12805
Invoice Date: 22-Oct-18
Your Reference: 2018-09-11

Teuton Resources Corp.
2130 Crescent Rd.
Victoria B.C V8S 2H3
Canada

ATTN: Dino Cremonese

CERTIFICATE OF ANALYSIS

23 Rock and Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Kamloops Au - Fire Assay AA

Code 1E3-Kamloops Aqua Regia ICP(AQUAGEO)

REPORT **A18-12805**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Kamloops@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
S022437	8	< 0.2	< 0.5	52	483	7	3	< 2	49	1.99	< 2	< 10	35	< 0.5	< 2	1.74	13	8	4.97	< 10	< 1	0.09	< 10
S022438	< 5	< 0.2	< 0.5	335	466	2	18	< 2	33	2.10	< 2	< 10	35	< 0.5	< 2	1.51	27	15	5.18	< 10	< 1	0.32	< 10
S022439	< 5	< 0.2	< 0.5	276	513	2	21	< 2	35	2.39	< 2	< 10	41	< 0.5	< 2	1.68	24	19	4.91	< 10	< 1	0.42	< 10
S022440	15	< 0.2	< 0.5	50	504	< 1	14	< 2	38	3.35	< 2	< 10	29	< 0.5	< 2	2.36	17	49	3.40	< 10	< 1	0.04	< 10
S022441	18	< 0.2	< 0.5	49	512	< 1	16	< 2	41	3.43	< 2	< 10	28	< 0.5	< 2	2.34	18	48	3.42	< 10	< 1	0.03	< 10
S022442	68	0.4	< 0.5	27	86	2	3	2	5	0.46	5	< 10	12	< 0.5	4	0.03	48	21	3.69	< 10	< 1	0.03	< 10
S022443	< 5	< 0.2	< 0.5	20	764	< 1	15	< 2	45	1.65	< 2	< 10	20	< 0.5	< 2	4.94	24	31	4.18	< 10	< 1	0.06	< 10
S022444	< 5	< 0.2	0.5	14	804	< 1	19	< 2	39	2.48	< 2	< 10	23	< 0.5	< 2	7.00	16	57	5.30	< 10	1	0.09	< 10
S022445	< 5	< 0.2	< 0.5	348	399	2	82	< 2	14	2.03	< 2	< 10	12	< 0.5	< 2	1.31	74	32	5.42	< 10	< 1	0.08	< 10
S022446	< 5	< 0.2	< 0.5	61	399	< 1	8	< 2	20	2.38	< 2	< 10	62	< 0.5	< 2	1.58	10	9	3.51	< 10	< 1	0.43	< 10
H427529	< 5	< 0.2	< 0.5	45	1010	< 1	27	< 2	47	1.70	10	< 10	19	< 0.5	5	5.02	28	68	4.80	< 10	< 1	0.11	< 10
H427530	14	< 0.2	< 0.5	43	424	< 1	22	< 2	26	2.10	< 2	< 10	63	< 0.5	< 2	1.74	17	45	3.18	< 10	< 1	0.26	< 10
H427531	< 5	< 0.2	< 0.5	59	895	< 1	13	< 2	42	1.10	< 2	< 10	24	< 0.5	< 2	6.71	14	22	5.69	< 10	< 1	0.13	< 10
H427532	< 5	< 0.2	< 0.5	7	236	< 1	24	< 2	12	5.33	< 2	< 10	14	< 0.5	< 2	5.49	11	252	1.30	< 10	< 1	0.05	< 10
H427533	< 5	< 0.2	< 0.5	43	326	< 1	28	< 2	15	1.75	< 2	< 10	10	< 0.5	< 2	3.52	14	56	1.37	< 10	< 1	0.02	< 10
H427534	< 5	< 0.2	< 0.5	42	943	< 1	32	< 2	57	1.68	< 2	< 10	23	< 0.5	< 2	5.79	29	53	5.23	< 10	1	0.08	< 10
H427535	23	0.6	< 0.5	2220	464	< 1	34	< 2	30	3.41	5	< 10	19	< 0.5	< 2	1.79	118	78	11.4	< 10	< 1	0.03	< 10
H427536	13	0.4	< 0.5	383	236	4	120	< 2	16	2.64	3	< 10	13	< 0.5	< 2	1.13	117	52	5.99	< 10	< 1	0.34	< 10
H427537	< 5	0.2	< 0.5	380	304	3	44	< 2	20	2.35	< 2	< 10	12	< 0.5	< 2	0.99	98	10	5.84	< 10	1	0.61	16
H427538	< 5	< 0.2	< 0.5	84	370	6	29	< 2	20	1.64	< 2	< 10	25	< 0.5	< 2	1.38	26	49	3.62	< 10	< 1	0.46	< 10
H427033	< 5	< 0.2	< 0.5	114	269	1	12	< 2	31	2.52	4	< 10	47	< 0.5	< 2	2.08	14	12	1.61	< 10	< 1	0.14	< 10
S1	26	0.2	< 0.5	498	974	13	27	10	86	3.60	< 2	< 10	90	< 0.5	< 2	1.24	50	54	6.15	< 10	4	0.11	< 10
S2	14	< 0.2	< 0.5	130	824	2	33	7	98	3.67	9	< 10	74	< 0.5	< 2	1.00	29	63	4.45	< 10	< 1	0.08	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
S022437	0.97	0.174	0.085	0.10	2	7	55	0.29	< 20	7	< 2	< 10	166	< 10	7	3
S022438	1.62	0.103	0.068	1.47	2	11	67	0.32	< 20	4	3	< 10	180	< 10	7	6
S022439	1.74	0.124	0.066	1.10	3	13	78	0.34	< 20	3	< 2	< 10	189	< 10	8	5
S022440	1.48	0.318	0.024	0.01	< 2	5	64	0.16	< 20	6	< 2	< 10	110	< 10	3	2
S022441	1.55	0.313	0.021	< 0.01	3	5	64	0.16	< 20	< 1	< 2	< 10	108	< 10	3	2
S022442	0.12	0.076	0.005	2.63	< 2	1	3	< 0.01	< 20	< 1	< 2	< 10	18	< 10	< 1	2
S022443	1.92	0.105	0.018	0.25	2	11	49	< 0.01	< 20	< 1	< 2	< 10	49	< 10	4	2
S022444	2.17	0.175	0.035	0.02	3	25	71	< 0.01	< 20	< 1	< 2	< 10	82	< 10	6	2
S022445	1.52	0.118	0.035	4.10	2	7	59	0.13	< 20	3	< 2	< 10	86	< 10	3	3
S022446	1.57	0.077	0.060	0.38	2	8	115	0.29	< 20	4	2	< 10	149	< 10	4	2
H427529	2.69	0.154	0.013	0.21	4	25	43	< 0.01	< 20	< 1	< 2	< 10	61	< 10	3	2
H427530	1.32	0.098	0.059	0.56	< 2	9	81	0.24	< 20	< 1	< 2	< 10	103	< 10	5	3
H427531	1.59	0.160	0.027	0.39	4	27	48	< 0.01	< 20	< 1	< 2	< 10	44	< 10	5	2
H427532	1.83	0.146	< 0.001	0.09	< 2	4	78	0.05	< 20	< 1	< 2	< 10	26	< 10	< 1	< 1
H427533	1.73	0.097	0.004	0.09	< 2	5	25	0.04	< 20	< 1	3	< 10	21	< 10	2	1
H427534	2.76	0.151	0.028	0.52	2	29	53	< 0.01	< 20	< 1	< 2	< 10	59	< 10	5	2
H427535	1.12	0.402	0.011	3.72	3	9	43	0.26	< 20	3	< 2	< 10	489	< 10	3	6
H427536	1.97	0.043	0.023	3.68	5	6	82	0.23	< 20	< 1	< 2	< 10	89	< 10	1	3
H427537	1.37	0.122	0.073	3.22	2	8	52	0.26	< 20	< 1	< 2	< 10	81	< 10	9	3
H427538	1.21	0.090	0.051	1.87	< 2	8	51	0.24	< 20	2	< 2	< 10	103	< 10	5	3
H427033	1.09	0.068	0.039	0.02	< 2	3	49	0.12	< 20	3	< 2	< 10	53	< 10	2	1
S1	1.93	0.081	0.082	0.05	2	10	78	0.15	< 20	< 1	< 2	< 10	165	< 10	6	3
S2	1.77	0.079	0.085	0.07	3	9	59	0.08	< 20	< 1	< 2	< 10	98	< 10	5	2

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	63	924	1	22	80	113	6.66	197	< 10	841	0.8	< 2	0.15	12	77	5.50	20	2	1.10	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	< 0.5	70	946	1	21	84	117	6.96	204	< 10	875	0.9	< 2	0.15	13	79	5.80	20	2	1.18	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
GXR-6 Meas		0.3	0.7	66	928	< 1	21	79	112	6.76	183	< 10	859	0.8	< 2	0.15	14	76	5.51	20	3	1.12	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5800	402	1	32	8	23	1.74	90		72	7.5	3	0.04	78	23	5.91	< 10		0.86	40
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.3	< 0.5	5800	406	2	33	6	24	1.72	89		73	7.6	3	0.04	81	24	5.99	< 10		0.84	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 904 (Aqua Regia) Meas		0.2	< 0.5	5680	398	2	32	7	23	1.83	92		75	7.6	4	0.04	78	25	5.92	< 10		0.89	39
OREAS 904 (Aqua Regia) Cert		0.366	0.0580	6300	410	2.02	36.6	8.49	22.4	1.25	91.0		68.0	6.54	3.74	0.0404	82.0	17.5	6.40	3.40		0.603	33.9
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2040	704	< 1	32	53	242	2.74	7		75	0.7	6	0.40	19	46	4.88	< 10		0.47	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2260	741	< 1	35	60	266	2.91	5		76	0.8	7	0.41	21	47	5.28	< 10		0.48	37
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.7	< 0.5	2130	717	< 1	34	51	244	2.82	5		75	0.7	8	0.40	20	47	5.06	< 10		0.48	36
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.3	< 0.5	4030	801	< 1	30	69	326	2.77	4		56	0.7	16	0.39	21	41	5.71	< 10		0.39	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.6	< 0.5	4520	847	< 1	34	74	341	2.98	5		57	0.7	22	0.41	23	44	6.23	< 10		0.41	34

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 923 (AQUA REGIA) Meas		1.4	< 0.5	4360	830	< 1	33	73	330	2.91	7		54	0.7	16	0.41	22	44	5.97	< 10		0.40	34
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.1	0.7	5990	316	5	4	28	142	1.18	35		224	1.1	18	0.28	39	9	7.65	20		0.37	39
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.2	0.5	6220	328	4	5	31	147	1.23	36		232	1.1	22	0.29	42	11	7.86	20		0.38	40
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 907 (Aqua Regia) Meas		1.1	< 0.5	5880	308	5	5	28	140	1.17	34		224	1.1	18	0.27	41	9	7.39	20		0.36	38
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
OREAS 214 Meas	2970																						
OREAS 214 Cert	3030																						
OREAS 214 Meas	3040																						
OREAS 214 Cert	3030																						
OREAS 217 (Fire Assay) Meas	332																						
OREAS 217 (Fire Assay) Cert	338																						
OREAS 217 (Fire Assay) Meas	335																						
OREAS 217 (Fire Assay) Cert	338																						
Oreas 621 (Aqua Regia) Meas		66.0	258	3440	503	11	22	> 5000	> 10000	1.78	76			0.6	3	1.71	27	31	3.36	< 10	5	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		67.4	269	3540	506	12	25	> 5000	> 10000	1.76	77			0.6	3	1.74	28	34	3.30	< 10	5	0.36	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 621 (Aqua Regia) Meas		62.5	250	3330	481	11	23	> 5000	> 10000	1.75	78			0.6	3	1.64	26	31	3.23	< 10	4	0.37	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
S022439 Orig	< 5	< 0.2	< 0.5	271	503	2	21	< 2	35	2.34	< 2	< 10	41	< 0.5	< 2	1.64	24	19	4.81	< 10	< 1	0.41	< 10
S022439 Dup	< 5	< 0.2	< 0.5	280	523	2	22	4	35	2.44	< 2	< 10	42	< 0.5	< 2	1.71	24	19	5.01	< 10	< 1	0.43	< 10
H427531 Orig	< 5																						
H427531 Dup	< 5																						
H427535 Orig		0.6	< 0.5	2230	459	< 1	33	< 2	30	3.39	6	< 10	19	< 0.5	< 2	1.77	118	77	11.4	< 10	2	0.03	< 10
H427535 Dup		0.6	< 0.5	2210	469	< 1	35	4	30	3.43	3	< 10	19	< 0.5	< 2	1.81	119	78	11.4	< 10	< 1	0.03	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.40	0.094	0.031	0.01	< 2	17	27		< 20	< 1	5	< 10	147	< 10	3	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.42	0.099	0.032	0.01	4	17	28		< 20	< 1	< 2	< 10	156	< 10	4	9
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
GXR-6 Meas	0.40	0.098	0.030	0.01	3	17	28		< 20	< 1	< 2	< 10	150	< 10	3	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 904 (Aqua Regia) Meas	0.19		0.095	0.04	< 2	4	16		< 20		< 2	< 10	29		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.19		0.096	0.04	2	4	16		< 20		< 2	< 10	29		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 904 (Aqua Regia) Meas	0.20		0.094	0.04	3	5	16		< 20		< 2	< 10	30		16	
OREAS 904 (Aqua Regia) Cert	0.143		0.0950	0.0340	0.780	3.83	16.5		7.56		0.150	5.20	21.7		17.2	
OREAS 922 (AQUA REGIA) Meas	1.33	0.031	0.060	0.37	< 2	4	13		< 20		< 2	< 10	33	< 10	16	12
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.44	0.032	0.064	0.39	4	4	14		< 20		< 2	< 10	34	< 10	16	16
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.38	0.032	0.061	0.37	< 2	4	14		< 20		< 2	< 10	34	< 10	16	10
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.44		0.058	0.67	3	4	12		< 20		< 2	< 10	32	< 10	14	32
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.56		0.063	0.72	2	4	13		< 20		< 2	< 10	34	< 10	15	32

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 923 (AQUA REGIA) Meas	1.50		0.059	0.70	< 2	4	12		< 20		< 2	< 10	34	< 10	15	16
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.23	0.102	0.022	0.06	4	3	11	0.02	< 20	< 1	< 2	< 10	6	< 10	7	21
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.24	0.106	0.024	0.06	6	3	12	0.02	< 20	< 1	< 2	< 10	7	< 10	7	29
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 907 (Aqua Regia) Meas	0.22	0.101	0.021	0.06	5	2	11	0.02	< 20	2	< 2	< 10	6	< 10	7	9
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 214 Meas																
OREAS 214 Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.45	0.187	0.033	4.84	103	2	15		< 20		< 2	< 10	12	< 10	7	55
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.46	0.184	0.032	5.01	97	2	14		< 20		< 2	< 10	12	< 10	7	33
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 621 (Aqua Regia) Meas	0.43	0.190	0.033	4.67	102	2	15		< 20		< 2	< 10	12	< 10	6	77
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
S022439 Orig	1.71	0.120	0.065	1.08	2	13	76	0.33	< 20	2	< 2	< 10	186	< 10	7	5
S022439 Dup	1.76	0.129	0.067	1.12	3	13	79	0.34	< 20	3	< 2	< 10	193	< 10	8	6
H427531 Orig																
H427531 Dup																
H427535 Orig	1.11	0.402	0.011	3.72	4	9	42	0.25	< 20	4	< 2	< 10	490	< 10	3	6
H427535 Dup	1.12	0.402	0.011	3.72	3	9	43	0.26	< 20	2	< 2	< 10	489	< 10	3	6
Method Blank	< 0.01	0.011	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.013	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																
Method Blank																

APPENDIX IV—GPS SAMPLE LOCATIONS

UTM ZONE 9 (NAD 83)

Sample Number	East	North
H427033	622866	6403821
H427529	622852	6403886
H427530	623893	6403926
H427531	622894	6403361
H427532	622881	6403356
H427533	622862	6403322
H427534	622862	6403322
H427535	622855	6403829
H427536	623464	6404386
H427537	623355	6404255
H427538	623302	6404208
S022437	622859	6403834
S022438	623673	6403859
S022439	623673	6403859
S022440	622951	6403782
S022441	622951	6403782
S022442	622898	6403360
S022443	622898	6403335
S022444	622905	6403236
S022445	623372	6404273
S022446	623384	6404296
S-1	622863	6403952
S-2	622951	6403782