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ASSESSMENT REPORT

describing

ROCK, SOIL, & STREAM SEDIMENT GEOCHEMICAL SAMPLING

at the

RAW GEEF PROPERTY

RAW GEEF 1-66 YE900001-YE900066

NTS 105E/01
Latitude 61°10′N; Longitude 134°05′W

Field work performed between June 1 and June 10, 2017

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Ryan Bachynski, B.Sc Geo, GIT

August 2018

097153

2017 YMEP Final Report:

The Focused Regional Raw Geef Project (17-033)

61.156753°, - 134.068479°
Whitehorse Mining District

Author and Grant Recipient: Ryan Bachynski

Table of Contents

Introduction

Work on the Raw Geef project occurred from June 2nd-11th, 2017. Stream sediment samples from a regional Yukon Government database indicated that two streams from adjacent basins shared similar anomalies of base metals, arsenic, and gold. Additionally, a government map-set that outlined individual basins and weighed the geology against basin size and stream sediment geochemical sample assays suggested that the two particular basins in this project were in some of the highest percentiles of likelihood for several deposit types. The general plan of accessing the area for its mineral potential was to gather more stream sediment data to try and confirm the anomalies and to ridge-and-spur prospect across all major peaks in the project area in efforts of finding the source of the stream sediment anomalies.

For the purpose of the project, five sample types were taken:

1) rock chip (RC): an *in situ* sample of outcrop
2) grab (G): a sample that is not *in situ* but that was ultimately determined to have a strong likelihood of being close to source
3) soil sample (SoS): where ridge-and-spur rock chip or grab sampling was not facilitated, soil samples were attempted to be retrieved from ideally the C horizon but occasionally other horizons were samped
4) stream sediment (SS): samples from either of the two main streams or from ephemeral feeder streams
5) heavy mineral (HM): samples of panned concentrate of stream bed materials

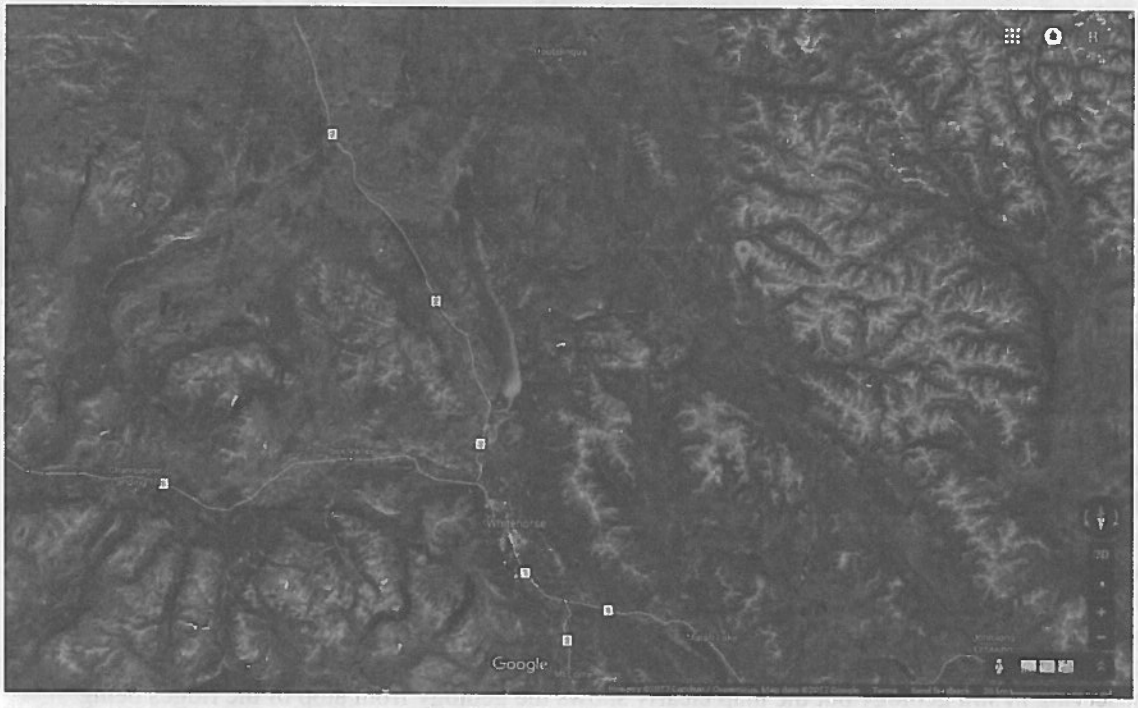


Illustration 1: Project area in relation to Whitehorse

The sample naming convention of the project is RG17 followed by the sample type and then the sample number. For example, RG17-SS-003 stands for Raw Geef Project, 2017, stream sediment sample, third sample of stream sediments.

RC and G samples were analyzed with ALS Minerals' ME-ICP41 package with Au by fire assay and a few samples containing significant Mo (RG17-RC-089 to RG17-RC-091) were additionally analyzed for rhenium. 91 rock chip and 20 grab samples were taken, not including duplicates.

Soil samples, stream sediment samples, and heavy mineral concentrates were analyzed with ALS Minerals' Au-ME-TL43 package with the heavy mineral concentrates receiving an additional ME-ICP61a package. 22 soil, 18 stream sediment, and 2 heavy mineral concentrate samples were taken, not including duplicates.

See attached maps for field sample locations of each aforementioned sampling method

Prospecting and Geological/Sample Stations

The area now staked under the Raw Geef claims (Raw Geef 1-66; see attached *Claim Location and Numbers* and *Preliminary Geological Map with Claim Locations)* was indicated to have recently been staked by Golden Predator and evidence in the field was found of other historical staking of unknown extent. Despite being previously staked, searches with the government in their database did not reveal any information in the map sheet of this project (105 E 01) that was directly related to the area of this project. The only geological information known prior to working was a fairly vague geological map (Illustration 2).

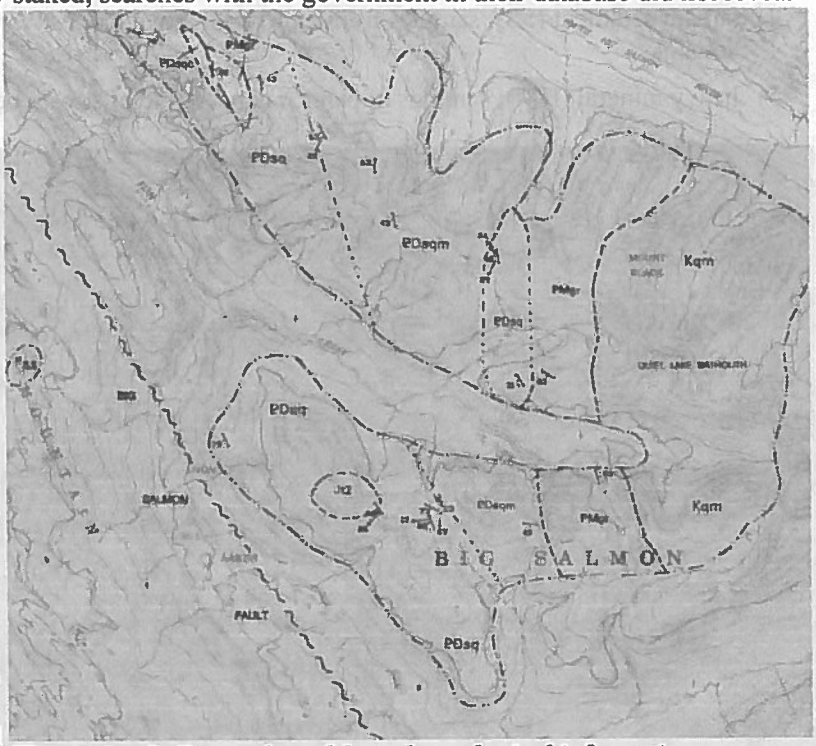


Illustration 2: Screenshot of the only geological information discovered prior to field work

A surface evaluation of the project area revealed geology with discrepancies with prior research in regards to unit boundaries. However, unit descriptions analyzed during pre-field research were generally adequate and represented what was observed in the field. The attached *Preliminary Geological Map* is indeed very preliminary with lots of over-generalizations and assumptions (e.g. Ridge-and-spur sampling was our means of observing *in situ* geology but the map clearly shows the geology from atop of the ridges being extrapolated to represent the lower elevations where exposures were generally absent); With that in mind, the map depicts a massive medium-grained intrusive-dominated east end of the project area that

was typically tonalitic to granodioritic and occasionally granitic with very uncommon and cm-scale diabase layers. West of the intrusives are meta-sedimentary rocks that are finely layered and typically psammopelitic or psammitic with occasional pelitic portions. Within these units, a handful of massive intrusions were observed.

Near the centre of the map along the easternmost stream in the project area, is a small intrusive unit that is depicted to be flanked by meta-sedimentary rocks. While travelling down a fairly treacherous river-gorge attempting to get stream samples, "rust bleeds" (Illustration 3 & 4) were observed quite frequently within the aforementioned intrusive unit. Further investigations lead to an obvious association of rust bleeds with thin, discontinuous quartz veining. Fresh samples revealed pyrite, arsenopyrite, and what was originally interpreted to be graphite but what assays have revealed to be molybdenite with low amounts of rhenium. The metallic minerals are fine-grained, euhedral to subhedral, and disseminated, but typically found in clusters. Three samples were taken of these veins (RG17-RC-089 to RG17-RC-091). These veins are interpreted to be intrusion related and may represent a particular zonation of metals within a larger system.

Further work on these veins should include a more comprehensive exploration of the surrounding area (particularly downstream from their location) to understand the extent of their intrusive host Additional sampling should also take place to establish a greater control on their extent and consistency of their values.

In addition to these veins, several veins from 2cm thick to 40cm thick that were massive, barren, and milky white (bull quartz) were sampled out of due diligence and did not provide any interesting assay values.

Illustration 3: Rust bleeds depicted by yellow arrows. Camera-shy field assistant for scale

Illustration 4: Close up photo of rust bleed coming off of a discontinuous quartz vein. Yellow to white botryoidal gossan was observed to be quite prominent on some rust bleeds.

In the north-central portion of the project area, satellite images showed a red hue in the area and field observations identified a scree slope with extremely abundant gossanous flakes covering a hillside with an estimated area of at least 2km^2 (Illustration 5). No sulphides were observed in the gossanous chips and assay results (RG17-G-13) only showed slightly elevated base metal values.

Just over 500m to the southeast a 4-5m thick strongly gossanous unit that appeared to be traceable for at least several hundred meters is exposed on the west side of a steep, north-south trending valley (Illustration 6 & 7). This unit is flanked by more weakly gossanous units on either side. The gossanous units are shallow-dipping and appear to be traceable across to the east side of the valley, albeit significantly higher in elevation and difficult to reach. The units appear to have a sandstone protolith and contain varying remnants of that protolith. Sample results (RG17-RC-070 through -072) did not appear to show any significant anomalies but did show some minor

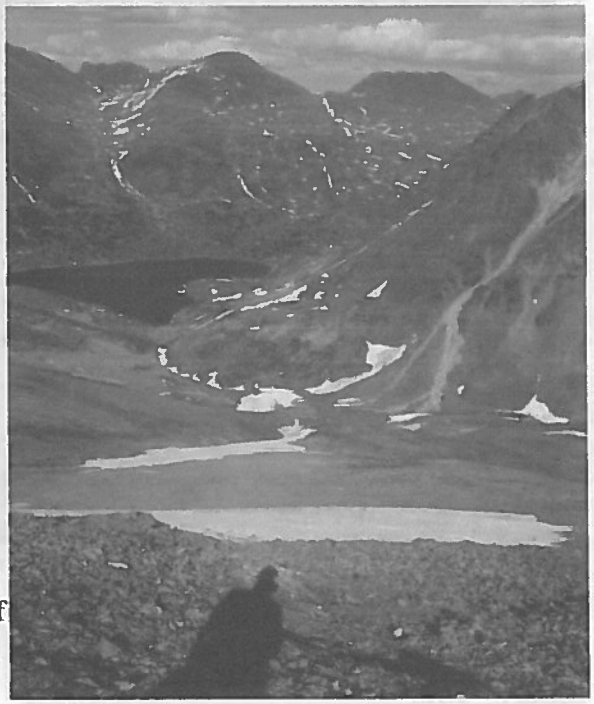


Illustration 5: View looking north with abundant gossanous chips on the mountain-side.

values for Pb, Zn, and Cu.

Illustration 6: Close up of strongly gossanous layer.

Illustration 7: View looking north attempting to depict the lateral continuity of the gossanous units.

About 700m west of, and in relatively close proximity to, the gossanous units is a unit that was interpreted to be quartzite (Illustration 8). Michel Jevrak and Eric Marcoux mention in their textbook *Geology of Mineral Resources* that metamorphosed SEDEX mineralization can contain a silicified marker horizon that is often misidentified as quartzite. This, in addition to base metal stream anomalies, possible volcanic association with nearby greenstone units, strong and expansive gossan, and proper protolith lithology (e.g. Permeable sandstone protolith for gossan) make a fairly compelling case for SEDEX mineralization.

Illustration 8: Dendritic pattern on unit that was interpreted to be quartzite.

Since fresh samples of the gossanous unit were unable to be obtained, there is a potential that there could be base metals within the unit but that they did not appear as anomalous values in assays due to a strongly weathered sample being taken. Additionally, some geochemical indicators can hide within background values making identification of these indicators hard to identify without additional work (i.e. Isotope analysis). Ultimately, this suggests that although strong anomalies were not detected in assay results, indicators of

the presence of SEDEX systems (and potentially mineralization) are quite strong in this particular area.

Future work in this area should focus on retrieving a fresh sample of the gossanous material to determine if there are any minerals of interest that were not observed in the strongly weathered samples. This could be done through blasting but if the gossan is particularly thick the blasting may not provide any further insight; a drill, however, could be placed on the hill above the gossan and be used to gather core from a vertical drill hole which should intersect the unit at a nearly perpendicular angle if the unit's dip is continuous into the hill. Upwards of 200 meters of drilling may be needed to reach the gossan from a level location on the hill above. Due to the very loose natural of the gossan chips, it would likely be difficult to prop a drill pad structure on the side of the valley.

Geochemical Sampling

A handful of soil samples and stream sediment samples were gathered (see attached maps showing their locations). Little was known about ground and water conditions in the project area prior to arrival and thus it was unclear whether or not stream sediment samples and soil samples would be a viable option.

The rivers in each basin were fast-flowing and consequently did not facilitate significant sediment deposition (or *sediment traps*) on the riverbed. Small quantities of sediments were found in little pockets behind rocks but suspicions as to the sediments being sourced from collapsed bank material was relatively high. The stream sediments did not return any values of significant interest. This contrasts the anomalies that were found from each basin in government data sets.

The anomalies from the government data set were in stream sediments sampled at the very lowest elevation with the most shallow pitch in each respective stream; these areas were inaccessible by foot travel and therefore un-replicated in this outing. An argument can be made that the sample locations for this project occurred in areas of steep river pitch with fast flowing water and consequent poor depositional environment, which would not provide good insight relative to a more ideally deposited sample site, like that of the government data sets.

Heavy mineral concentrates did not provide any anomalous results are also interpreted to not be an accurate representation of the basins they are within. As noted before, stream sediment traps/deposition was futile and the concentrates more likely represented collapsed bank materials rather than a more regional coverage.

Soil sampling occurred during ridge and spur sampling as a means of filling in any gaps between rock samples where there was not outcrop exposure. All but a few samples were of the C horizon (see attached Sample Results/Notes). Majority of the time there was a thin cover of organics with a glacial boulder field below that restricted soil sampling and made the task quite tedious. A few soil samples were of till but majority were of '*in situ*' soil horizons.

Soil sample RG17-SoS-008 was not a sample of till and assay results show anomalies in As, Cr, Cu, Fe, Ni, Pb, and Zn when compared to the other soil sample results. Sample notes for this particular station note that the soil contained lots of scree fragments. RG17-SoS-009, however, was sampled nearby 008 but did not contain any significant anomalies relative to other soil samples. Both of these samples were taken nearby the aforementioned gossanous flake-covered hillside (Illustration 5).

Although the results are not consistent with one another, it is interesting to note that RG17-SoS-008 did indeed have elevated concentrations of base metals. Because the gossanous scree slope where these two particular soil samples were taken is a feature likely representative of the *in situ* rock immediately below that location, there is evidence suggesting that base metal concentrations may be related to the gossan.

It is unclear what the relationship is between the gossanous zones exposed in the steep valley that were observed *in situ* and the gossan chips dominating the side of a mountain. A more comprehensive soil sampling grid is suggested for future work around the gossan chips. This would allow background values to be distinguished from anomalous values more readily and confidently and would also provide further confirmation that RG17-SoS-008 was indeed anomalous.

It was mentioned earlier in the document that anomalous values/pathfinder elements can sometimes be masked by background values. In the area of the gossanous chips, elevated base metals were found in soil samples but not in grab samples; it is possible that the rock chip samples are too weathered to contain any elevated assay values but that soil geochemistry retains a high enough concentration of elevated elements to distinguish potential base metal anomalies.

QW30045

Yukon
Energy, Mines and Resources

QUARTZ MINING ACT FORM 4 SECTION 56

APPLICATION FOR A CERTIFICATE OF WORK

RECEIVED
JUN 25 2018
MINING RECORDER
WHITEHORSE, YT
Government of Yukon

I, Ryan Bachynski

of 505 Forrest Dr, Yellowknife, NT, X1A 2B3

Phone 306 536 3599

Client I.D. Number: 4007279

make oath and say that:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

See attached spreadsheet for claim name, number, and type of sampling work that was done on that particular claim.

situated at near Loon Lake Claim sheet No. 105E01

in the Whitehorse Mining District, to the value of at least $15,704.42 dollars,

since the 1st day of June 2017,

to represent the following mineral claims under the authority of Grouping Certificate No. _____.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

- Raw Geef 1-66 (YE900001-YE900066)
- Request for 2 year renewal period.

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

Ridge + spur sampling on two basins within the claims was done in order to identify the source of stream sed anomalies. Soil and stream sed sampling also took place. See attached YMEP report.

Sworn before me at Yellowknife this 22 day of June 20 18.

Judith Anne Murdock
Notary Public in & for
the Northwest Territories.
My commission expires Feb 11 2021

Notary Public

Owner or Authorized Agent

Access to Information and Protection of Privacy Act
The personal information requested on this form is collected under the authority of and used for the purpose of administering the Quartz Mining Act. Questions about the collection and use of this information can be directed to the Mining Recorders Office, Mineral Resources, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-3190

YG(5049Q)F2 Rev. 04/2012

Yukon

Yukon Mining Viewer

Legend

- Current Placer Class 1 Notificate Submissions
- Current Quartz Class 1 Notificate Submissions
- Areas defined by OIC
- First Nation Surveyed Lands - Category A & B
- First Nation Unsurveyed Lands - Category A & B
- Placer Claims (50K)
  - Active and Pending
  - Expired
- Prospecting Leases
  - Active and Pending
  - Expired
- Adjoin Placer
- Placer Mining Land Use Permit
  - Class 3
  - Class 4
- Placer Baselines (50K)
- Placer Baselines (surveyed)
- Quartz Claims (50K)
  - Active and Pending
  - Expired
- Quartz Leases (50K)
- Adjoin Quartz
- Quartz Mining Land Use Permit
  - Class 3
  - Class 4
- Quartz Mining Licence
- Quartz Staking Direction
- Coal Exploration Licence
  - Active and Pending
  - Expired
- Coal Mining Lease
  - Active and Pending
  - Expired
- Surveyed Mineral Claims
- Areas withdrawn from staking mineral claims
- Settlement Lands (Surveyed)
  - A: Surface and Subsurface Rgh
  - B: Surface Rights
  - FS: Fee Simple
  - 4 (1) Retained Reserve
- Settlement Lands (Unsurveyed)
  - A: Surface and Subsurface Rgh
  - B: Surface Rights
  - FS: Fee Simple

Notes

1.0 0 0.51 1.0 Kilometers

Yukon Albers

Produced from: Yukon Mining Viewer

Scale: 1: 20,000

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on the map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Date Printed: 10-Jul-2018

QUD30095

QW30095

Sheet1

Raw Geef Claim #	Stream Sed	Rock Chip	Soil	Grab
1	1			2
4		1		
5			2	
6			1	
7			1	
8		1	1	
9		7		
10	1	1	1	
11		8	2	4
13		1		
14		6	1	1
15		3		
16		1		
18		2		1
20		1		1
21		2		
23		2		
24	1			
25			1	
27	1		1	
28	1			
29	2	9		2
30		3		1
31	1			
32	1			
34	1	3		
35	1			
36	1	1		
43	1	1		
44	1	1		
47	1			
48		1		
51	4			
52	1			
55	1	6		
56	1	1		
57		4		1
58	1	1		
61			1	

QW30095

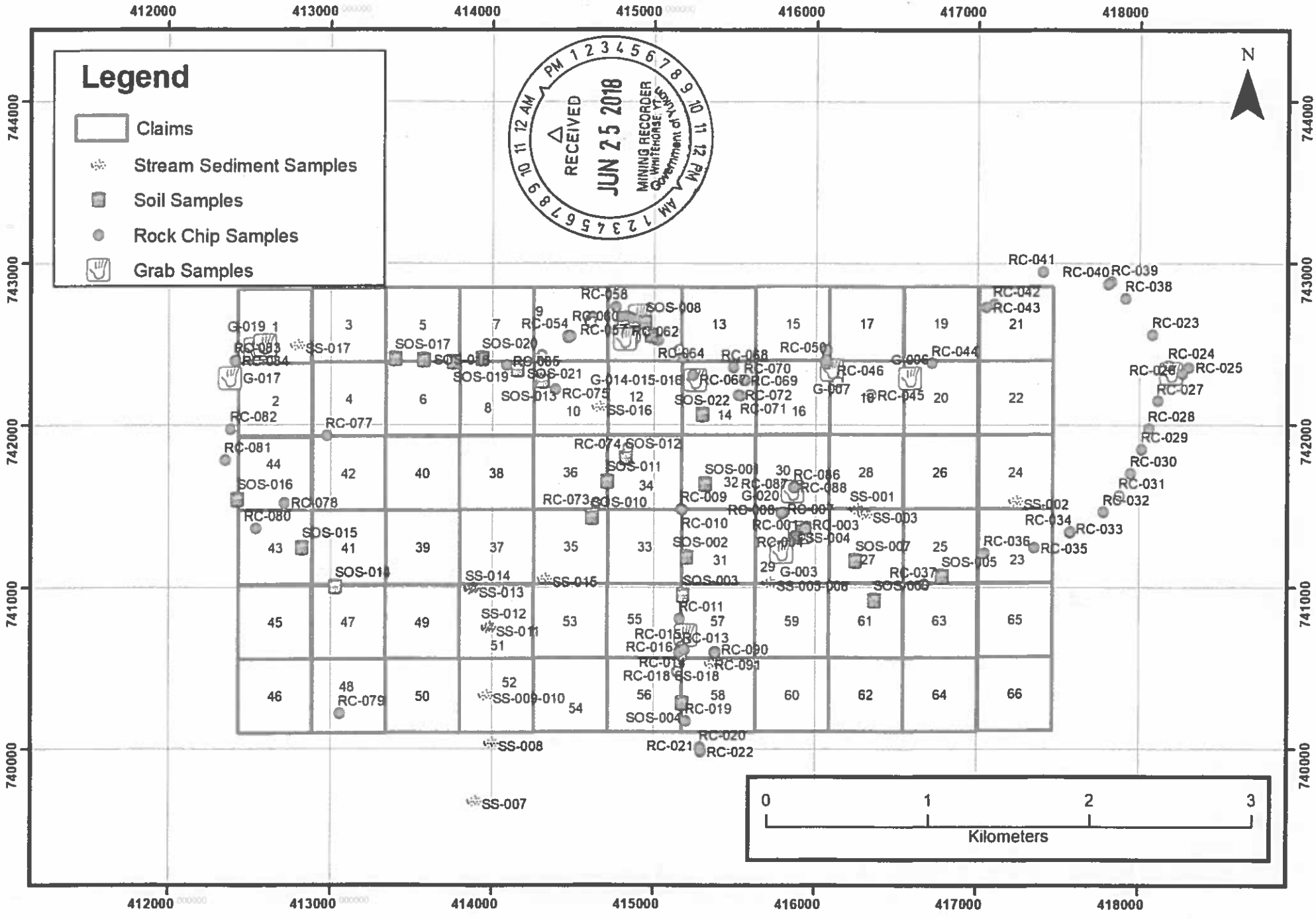
Sheet1

Type of sample	Total	# off claims	# on claims
Rock chip	95	23	72
Grab	20	2	18
Stream sed	44	2	42
Soil	22	1	21
Totals	**181**	**28**	**153**

Item	Cost	Purpose
Sampling Supplies	$550.75	Supplies such as bags, flagging tape, markers, buckets, etc to allow proper rock sampling practices.
Gasoline	$85.03	Vehicle travel within Yukon to load helicopter and transport personnel.
Helicopter transport	$2,446.28	Mob and demob (0.9/1.2=75% of the total helicopter cost)
Sample receipt 1	$1,825.81	ALS rock, soil, heavy mineral, and stream sediment analysis.
Sample receipt 2	$2,332.91	ALS rock, soil, heavy mineral, and stream sediment analysis.
Sample receipt 3	$310.33	ALS rock, soil, heavy mineral, and stream sediment analysis.
Sample receipt 4 (1)	$483.80	ALS rock, soil, heavy mineral, and stream sediment analysis.
Sample receipt 4 (2)	$2,000.00	ALS rock, soil, heavy mineral, and stream sediment analysis.
Geologist	$4,000.00	$400*10 days
Assistant	$2,750.00	$275*10 days
Pre total	$16,784.91	
Minus samples not on claims	$1,077.69	$6,952.85 (total) - $5,875.16 (proportional value from sample on/off claims sheet – attached)
Grand total	**$15,707.22**	

QU30045

Claim Locations & Numbers with Labelled Sample Locations

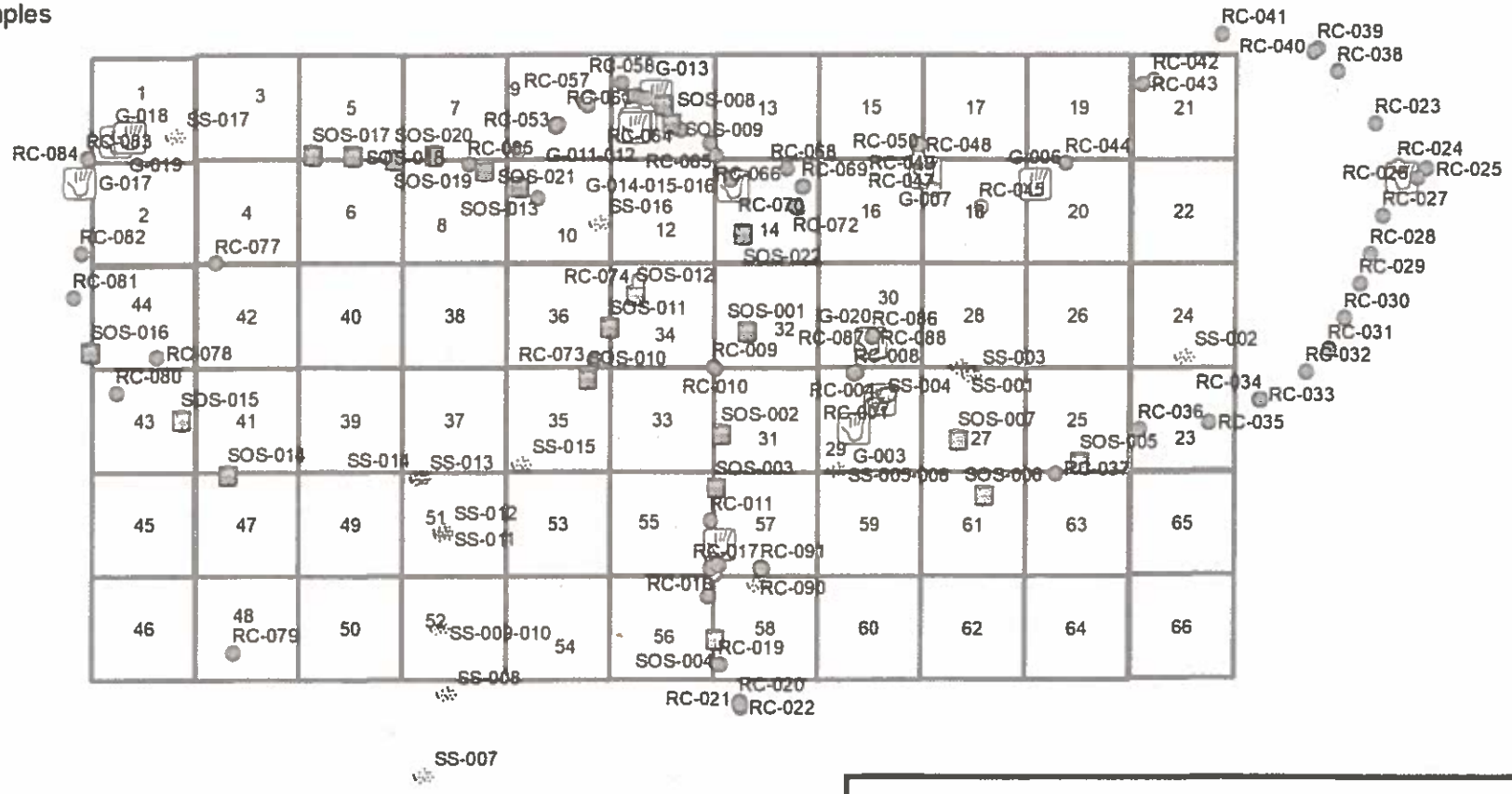


Claim Locations & Numbers with Labelled Sample Locations

QW300095

Legend

- Claims
- Stream Sediment Samples
- Soil Samples
- Rock Chip Samples
- Grab Samples



QW30093

ALS CAN CAD

ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7
T: 604-984-0221 www.alsglobal.com

TRANSACTION APPROVED - THANK YOU

Payment Details

Transaction Type: PURCHASE

Transaction Amount: $1825.81 (CAD)

Order ID: 3928236
Card Num: **** **** **** 7023
Card Type:: VISA
Resp Code - ISO Code: 027 - 01
Auth Code: 409640
Reference Num: 660659640011800450 M
Date/Time: Jul 14 2017 01:26PM

SIGNATURE

Cardholder will pay card issuer above amount pursuant to Cardholder Agreement

Item Details

Description	Product Code	Quantity	Price
YW17124154	3928236	1	$1825.81
		Total CAD:	$1825.81

Customer Details

Customer ID: BACHRY
Email Address:
Note:

Address Details

Billing
Ryan Bachynski

Shipping

ALS CAN CAD

ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7
T: 604-984-0221 www.alsglobal.com

TRANSACTION APPROVED - THANK YOU

Payment Details

Transaction Type: PURCHASE

Transaction Amount: $2332.91 (CAD)

Order ID: 3926222
Card Num: **** **** **** 1017
Card Type:: VISA
Resp Code - ISO Code: 027 - 01
Auth Code: 450552
Reference Num: 660659640011780050 M
Date/Time: Jul 12 2017 09:03AM

SIGNATURE

Cardholder will pay card issuer above amount pursuant to Cardholder Agreement

Item Details

Description	Product Code	Quantity	Price
YW17124066	3926222	1	$2332.91
		Total CAD:	$2332.91

Customer Details

Customer ID: BACHRY
Email Address:
Note:

Address Details

Billing
Ryan Bachynski

Shipping

ALS CAN CAD

ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7
T: 604-984-0221 *www.alsglobal.com*

TRANSACTION APPROVED - THANK YOU

Payment Details

Transaction Type: PURCHASE

Transaction Amount: $310.33 (CAD)

Order ID: 4048659
Card Num: **** **** **** 1017
Card Type: VISA
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Date/Time: Oct 30 2017 08:00AM

SIGNATURE

Cardholder will pay card issuer above amount pursuant to Cardholder Agreement

Item Details

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YW17223832	4048659	1	$310.33
		Total CAD:	$310.33

Customer Details

Customer ID: BACHRY
Email Address:
Note:

Address Details

Billing
Ryan Bachynski

Shipping

ALS CAN CAD

ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7
T: 604-984-0221 www.alsglobal.com

TRANSACTION APPROVED - THANK YOU

Payment Details

Transaction Type: PURCHASE

Transaction Amount: $483.80 (CAD)

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Card Num: **** **** **** 7023
Card Type:: VISA
Resp Code - ISO Code: 027 - 01
Auth Code: 426797
Reference Num: 660659640012200090 M
Date/Time: Sep 01 2017 08:02AM

SIGNATURE

Cardholder will pay card issuer above amount pursuant to Cardholder Agreement

Item Details

Description	Product Code	Quantity	Price
PAYMENT ON ACCOUNT - BACHRY		1	$483.80
		Total CAD:	$483.80

Customer Details

Customer ID: BACHRY
Email Address:
Note:

Address Details

Billing **Shipping**

ALS CAN CAD

ALS Canada Ltd. 2103 Dollarton Hwy North Vancouver BC V7H 0A7
T: 604-984-0221 www.alsglobal.com

TRANSACTION APPROVED - THANK YOU

Payment Details

Transaction Type: PURCHASE

Transaction Amount: $2000.00 (CAD)

Order ID: mvt0427808265
Card Num: **** **** **** 1017
Card Type:: VISA
Resp Code - ISO Code: 027 - 01
Auth Code: 424963
Reference Num: 660659640012200080 M
Date/Time: Sep 01 2017 08:01AM

SIGNATURE

Cardholder will pay card issuer above amount pursuant to Cardholder Agreement

Item Details

Description	Product Code	Quantity	Price
PAYMENT ON ACCOUNT - BACHRY		1	$2000.00
		Total CAD:	$2000.00

Customer Details

Customer ID: BACHRY
Email Address:
Note:

Address Details

Billing **Shipping**

Q23093

Workorder		YW17124154															
	Method	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sequence	Description	0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.5
001	RG17-SS-001	0.5	0.001	0.17	0.95	7.8	10	60	1.6	1.62	0.25	0.28	37.3	6.5	23	6.66	19.4
002	RG17-SS-002	0.47	<0.001	0.05	1.74	4.4	10	90	1.97	0.84	0.31	0.12	30	5.8	19	2.42	9.2
003	RG17-SS-003	0.58	0.002	0.13	2.41	8.5	10	130	3.08	1.31	0.4	0.2	34.9	7.7	27	3.57	15.2
004	RG17-SS-004	0.4	0.003	0.1	1.64	12.1	10	140	1.62	0.87	0.32	0.69	35.1	8.7	37	8.26	19.2
005	RG17-SS-006	0.5	<0.001	0.17	2.25	20.5	10	160	2.58	1.26	0.4	1	40.9	12.3	56	13.75	25.2
006	RG17-SS-007	0.54	0.001	0.05	1.09	4	10	120	0.39	0.2	0.34	0.25	23.2	12.2	26	1.75	14.2
007	RG17-SS-008	0.91	0.001	0.05	1.24	3.4	10	190	0.43	0.2	0.37	0.17	26.6	13	24	1.61	14.2
008	RG17-SS-009	0.58	<0.001	0.1	1.22	3.8	10	100	0.38	0.18	0.4	0.17	24	12.9	26	1.38	14.2
009	RG17-SS-010	0.47	0.002	0.06	1.12	3.2	10	130	0.42	0.18	0.31	0.17	21	11.6	25	1.53	13.2
010	RG17-SS-011	0.54	0.002	0.06	0.99	3.8	10	160	0.42	0.21	0.41	0.21	22	9.5	21	2.01	12.2
011	RG17-SS-013	0.35	0.001	0.06	1.1	6.1	10	70	0.4	0.11	0.42	0.18	29.5	11.8	34	1.57	16.2
012	RG17-SS-014	0.45	<0.001	0.08	0.93	2.6	10	90	0.47	0.23	0.4	0.21	22.4	7.2	18	2.15	11.2
013	RG17-SS-015	0.38	<0.001	0.08	1.17	4.3	10	120	0.67	0.49	0.38	0.48	24.9	12.8	20	4.07	14.2
014	RG17-SS-016	0.75	0.001	0.08	1.35	8.4	<10	80	0.96	0.59	0.18	0.27	24.5	8.2	25	4.84	15.2
015	RG17-SS-017	0.61	0.001	0.07	1.45	6.4	10	90	0.48	0.15	0.79	0.12	30.9	17.3	52	0.68	19.2
016	RG17-SS-018	0.96	<0.001	0.14	2.05	39.4	20	120	2.06	0.9	0.48	0.89	39.6	12.3	51	13.95	25.2
017	RG17-SS-018-2	0.41	0.001	0.13	1.42	61.7	20	90	1.42	3.38	0.34	0.7	32.5	9.5	40	9.61	19.2
018	RG17-SOS-001	0.24	0.001	0.11	1.57	8.7	10	120	1.06	0.65	0.27	0.18	27.9	9.5	29	4.78	16.2
019	RG17-SOS-002	0.59	0.001	0.06	1.28	6.8	10	100	0.84	0.66	0.19	0.39	32.7	10.3	26	3.98	15.2
020	RG17-SOS-003	0.37	0.002	0.1	1.44	6.8	10	90	1.06	0.75	0.11	0.33	39	11.5	30	3.58	17.2
021	RG17-SOS-004	0.23	0.001	0.12	2.61	5.7	10	260	1.09	4.75	0.12	0.23	35	8.9	34	5.94	16.2
022	RG17-SOS-005	0.49	<0.001	0.02	2.13	0.7	<10	70	1.12	0.63	0.73	0.1	22.9	4.2	4	23.5	8.2
023	RG17-SOS-006	0.37	<0.001	0.05	1.69	2.3	10	130	1.86	0.94	0.2	0.16	28.9	5.9	18	12.25	11.2
024	RG17-SOS-007	0.3	0.001	0.23	1.86	8.7	10	120	1.87	1.02	0.15	0.19	30.5	8.3	34	11.2	15.2
025	RG17-SOS-008	0.49	0.004	0.3	0.91	57.2	<10	100	1.86	0.36	0.42	0.5	44.6	22.9	90	6.25	28.2
026	RG17-SOS-009	0.61	0.002	0.1	1.37	16.1	10	120	1.65	0.53	0.28	0.37	50.5	12.5	35	6.64	19.2
027	RG17-SOS-010	0.44	0.001	0.05	1.64	4.7	10	100	0.76	0.43	0.13	0.13	28.5	11.8	23	3.57	15.2
028	RG17-SOS-011	0.48	0.001	0.15	1.69	4.7	10	160	0.91	0.4	0.15	0.22	30	10.5	27	4.05	16.2
029	RG17-SOS-012	0.59	0.013	0.04	2.02	7.4	10	120	1.18	0.43	0.17	0.19	28.1	12.9	23	3.73	16.2
030	RG17-SOS-013	0.63	0.001	0.05	1.1	1.8	<10	250	1.09	0.06	0.34	0.07	43.4	15	7	4.27	7.2
031	RG17-SOS-014	0.83	0.005	0.02	1.81	2	<10	80	0.5	0.17	0.26	0.04	31.3	15.5	56	1.9	21.2
032	RG17-SOS-015	0.45	0.002	0.02	1.77	2.9	10	90	0.52	0.22	0.18	0.1	24.8	11.3	29	2.02	15.2
033	RG17-SOS-016	0.46	0.001	0.02	1.59	2.4	<10	110	0.44	0.14	0.24	0.05	28.5	13.6	28	1.51	17.2
034	RG17-SOS-017	0.51	0.002	0.05	1.34	4.3	10	90	0.51	0.13	0.16	0.12	24.2	10.2	25	1.3	14.2
035	RG17-SOS-018	0.65	0.002	0.07	1.75	4.8	10	110	0.69	0.19	0.2	0.13	30.2	11.2	25	1.43	16.2
036	RG17-SOS-019	0.6	0.001	0.08	1.42	4	<10	80	0.6	0.17	0.15	0.11	19.95	8.5	21	1.52	12.2
037	RG17-SOS-020	0.45	0.001	0.16	1.04	2.6	10	170	0.47	0.13	0.15	0.13	12.95	7.7	16	1.36	10.2
038	RG17-SOS-021	0.79	0.004	0.09	1.43	4.5	10	950	1.06	0.39	0.34	0.09	30.1	8	20	5.23	13.2
039	RG17-SOS-022	0.48	0.001	0.17	2.71	7.9	10	130	1.55	0.87	0.19	0.14	31.1	9.4	41	10.8	18.2
040	RG17-HM-002	0.1	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
041	RG17-HM-003	0.43	0.001	0.04	0.96	3.5	10	210	0.37	0.21	0.3	0.14	21.4	11.9	20	1.7	14.2
042	RG17-SS-005	0.49	<0.001	0.2	2.18	23.1	10	150	2.72	0.87	0.38	1.1	43.1	12.9	53	13.15	25.2
043	RG17-HM-007	0.38	0.001	0.11	1.67	40.2	10	100	1.84	1.73	0.37	0.79	43.3	11.7	41	10.95	21.2
044	RG17-SS-012	0.41	0.015	0.06	0.9	3	10	130	0.44	0.29	0.35	0.24	21.8	9.5	17	2.09	12.2

AuME-TL43 Cu ppm 0.2	AuME-TL43 Fe % 0.01	AuME-TL43 Ga ppm 0.05	AuME-TL43 Ge ppm 0.05	AuME-TL43 Hf ppm 0.02	AuME-TL43 Hg ppm 0.01	AuME-TL43 In ppm 0.005	AuME-TL43 K % 0.01	AuME-TL43 La ppm 0.2	AuME-TL43 Li ppm 0.1	AuME-TL43 Mg % 0.01	AuME-TL43 Mn ppm 5	AuME-TL43 Mo ppm 0.05	AuME-TL43 Na % 0.01	AuME-TL43 Nb ppm 0.05	AuME-TL43 Ni ppm 0.2	AuME-TL43 P ppm 10
20.2	1.86	4.26	0.08	<0.02	0.02	0.017	0.23	18.2	42	0.45	360	2.14	0.02	0.73	16.8	810
12.3	2.03	6.4	0.05	<0.02	0.02	0.023	0.21	15.4	67.2	0.48	382	0.87	0.03	1.46	10.2	890
18.5	2.76	8.47	0.07	<0.02	0.03	0.03	0.29	17.3	94.3	0.62	623	1.49	0.03	1.74	14.3	890
32.9	2.68	6.31	0.09	0.02	0.02	0.026	0.5	16.2	65.1	0.75	566	3.37	0.03	0.77	26.7	910
51.9	3.62	8.74	0.13	0.03	0.02	0.035	0.88	17.1	96.3	1.21	764	5.26	0.05	0.67	41.1	820
55.1	2.65	3.28	0.08	0.02	0.01	0.012	0.09	12.1	16.3	0.84	922	1.44	0.04	0.5	20.5	760
36.3	2.75	3.47	0.06	<0.02	0.01	0.012	0.12	13.6	15.4	0.92	577	1.08	0.02	0.38	18	830
34.9	2.76	3.6	0.06	0.02	0.01	0.012	0.09	11.9	15.8	0.94	784	1.65	0.02	0.26	18.5	1030
33.1	2.56	3.44	0.09	0.03	0.01	0.011	0.1	10.6	14.8	0.85	658	1.12	0.04	0.32	19.8	850
24.3	2.13	3.04	0.07	0.02	0.01	0.009	0.1	13.9	14.9	0.62	501	0.89	0.04	0.5	15.2	820
36.8	2.36	3.75	0.08	0.02	0.01	0.013	0.1	17.3	18	0.74	528	0.78	0.04	0.75	22.3	940
18.3	1.75	2.95	0.06	<0.02	0.02	0.011	0.1	13.9	15	0.51	293	0.86	0.02	0.66	12.6	800
28	2.57	3.79	0.07	0.02	0.03	0.014	0.13	13.7	21.6	0.67	837	1.9	0.04	0.59	18.3	700
20.3	2.36	5.44	0.05	<0.02	0.02	0.021	0.1	12.5	26.7	0.45	439	1.14	0.02	0.57	20	650
43.7	3.35	5.57	0.07	0.07	0.03	0.026	0.06	17.7	12.4	1.02	535	0.72	0.02	0.62	51.9	1280
36.8	3.26	9.01	0.16	0.04	0.05	0.037	0.74	19	77.9	1.25	602	3.24	0.08	1.04	37.8	860
42	2.64	6.57	0.14	0.05	0.25	0.024	0.56	14.6	60.5	0.85	466	3.41	0.09	1.04	29.9	790
18	2.4	5.74	0.06	<0.02	0.03	0.025	0.09	14.5	31.7	0.55	576	1.09	0.02	0.8	25.1	700
21	2.28	4.4	0.06	0.03	0.02	0.018	0.12	14.1	27.9	0.57	421	1.2	0.02	1	25.7	690
36.3	2.48	4.85	0.07	0.02	0.03	0.021	0.12	19.5	24.4	0.65	482	1.72	0.02	0.91	30.7	360
15.1	2.68	7.51	0.06	0.06	0.05	0.024	0.07	13.2	34.9	0.56	258	1.01	0.02	2.3	20.8	640
23.7	1.56	5.54	<0.05	0.04	0.01	0.01	0.18	12.9	54.9	0.2	504	0.06	0.08	0.39	3.5	720
20	1.8	7.16	0.07	0.03	0.01	0.025	0.37	14.8	70.8	0.47	392	0.41	0.03	2.21	12	570
24.7	2.35	7.73	0.07	<0.02	0.02	0.027	0.38	15.2	80.4	0.69	395	1.91	0.02	1.76	20.7	710
67.7	5.86	3.55	0.11	0.09	0.14	0.054	0.05	27.2	10.7	0.24	906	1.75	0.02	0.23	110.5	920
32.2	3.11	5.84	0.11	0.05	0.03	0.034	0.21	29.1	29.4	0.6	520	1.25	0.02	0.43	37.1	610
36.7	2.63	5.26	0.05	<0.02	0.02	0.019	0.11	12.5	25.7	0.74	470	0.76	0.02	0.94	21.8	390
30	2.47	5.86	0.05	<0.02	0.02	0.02	0.12	13.9	22.5	0.68	404	0.77	0.02	0.55	20.4	520
23.9	3.18	5.6	0.06	0.02	0.02	0.02	0.16	10.8	35.7	1.03	570	0.73	0.02	1.5	24.1	590
38	3.44	3.34	0.08	0.04	0.03	0.029	0.03	25.2	6.9	0.48	1050	0.32	0.02	0.06	6.1	530
36.4	2.96	5.29	0.06	0.02	0.01	0.012	0.08	16.7	15.8	1.06	572	0.22	0.02	0.37	34.4	620
17.4	2.58	5.23	<0.05	<0.02	0.02	0.015	0.08	10.6	17.3	0.72	507	0.34	0.02	0.66	16.2	610
23.1	2.65	4.87	0.05	<0.02	0.01	0.014	0.07	13.8	13.7	0.86	602	0.26	0.02	0.41	17	730
36.8	2.46	4.51	<0.05	<0.02	0.02	0.013	0.1	9.7	12.7	0.73	349	0.48	0.02	0.49	17.2	510
38.7	2.83	5.56	0.05	<0.02	0.02	0.017	0.08	12.3	15.1	0.82	459	0.53	0.02	0.35	16.8	690
29.6	2.15	4.86	<0.05	<0.02	0.02	0.014	0.07	10.5	11.8	0.55	342	0.53	0.02	0.57	12.3	610
34	1.99	3.69	<0.05	<0.02	0.02	0.01	0.1	7	7	0.51	469	0.61	0.02	0.45	11.4	890
47.1	2.39	6.67	0.06	<0.02	0.02	0.026	0.14	17.3	41.7	0.54	424	0.78	0.01	1.82	14.4	520
34.1	2.86	9.36	0.08	0.03	0.02	0.033	0.21	16.4	59.3	0.86	381	0.99	0.03	1.44	26.2	480
NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
21.2	2.21	3.36	0.08	0.02	0.01	0.011	0.08	11.1	13.7	0.7	497	0.81	0.03	0.4	15.2	710
48	3.52	9.68	0.14	0.03	0.02	0.042	0.79	18.8	93.2	1.15	744	5.34	0.05	0.56	44.5	800
33.7	3.05	7.66	0.13	0.05	0.06	0.031	0.59	19.2	63.9	1.02	503	3.76	0.04	0.44	34.8	840
21.5	2.02	3.11	0.05	<0.02	0.01	0.012	0.07	12	14.4	0.57	556	0.98	0.02	0.39	13.6	710

AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02	0.05	1	0.05
14.7	31.7	<0.001	0.02	0.76	3	0.5	1	17.5	<0.01	0.02	6.7	0.055	0.3	28.2	42	4.32
7.5	38.9	<0.001	0.02	0.29	2.8	0.2	2.6	24.7	<0.01	<0.01	2.2	0.069	0.31	26.4	41	0.46
10.8	53.6	<0.001	0.03	0.47	3.8	0.5	3.3	40	<0.01	0.01	2.3	0.075	0.44	110	52	0.52
17.1	52.5	<0.001	0.05	1.27	5	0.9	1.4	26.7	<0.01	0.04	7.4	0.089	0.5	25.1	67	1.86
17.8	82.3	0.001	0.12	2.34	8.5	1.9	1.3	52.4	<0.01	0.06	8.7	0.13	0.79	16.4	97	2.4
8.4	10.2	0.001	0.02	0.31	3.3	0.3	0.5	19.8	<0.01	0.01	4.4	0.027	0.09	1.78	38	0.99
5.8	11.4	0.001	0.02	0.26	3.7	0.5	0.4	22.3	<0.01	0.02	4.7	0.035	0.09	1.34	43	1.59
5.7	9.5	0.001	0.01	0.25	3.6	0.3	0.4	19.9	<0.01	0.02	5.4	0.024	0.08	1.16	39	3.63
8.5	9.7	<0.001	0.02	0.89	3.1	0.3	0.3	18.1	<0.01	0.01	4.6	0.027	0.08	1.02	36	0.6
6.3	10.7	<0.001	0.02	0.32	2.9	0.8	0.4	22	<0.01	<0.01	2.9	0.028	0.09	2.29	33	1.85
7.1	11.1	<0.001	0.02	0.34	3.3	0.9	0.5	21.6	<0.01	0.01	6.2	0.029	0.08	3.02	34	0.71
5.1	11.9	<0.001	0.02	0.35	2.7	0.8	0.5	23.7	<0.01	0.01	2.2	0.033	0.1	3.22	30	0.67
9.5	16.6	<0.001	0.01	0.43	3.7	0.8	0.5	19.7	<0.01	0.01	2.6	0.034	0.15	2.21	39	1.42
12	18.5	<0.001	0.04	0.9	1.9	0.5	0.8	12.7	<0.01	0.02	0.5	0.03	0.24	1.91	45	1.09
6.9	6.4	<0.001	0.06	0.34	4.3	0.6	0.3	51.2	<0.01	0.03	3.7	0.019	0.06	1.54	51	0.14
16	66.4	<0.001	0.11	3.67	7.8	1.6	1.3	28.7	<0.01	<0.01	8.1	0.115	0.77	9.71	76	5.54
14.3	54.5	<0.001	0.09	8.29	5.6	1.4	1.1	20.2	<0.01	<0.01	7.9	0.092	0.58	7.86	59	2.91
12.5	17.2	<0.001	0.04	0.69	2.4	0.4	1.2	14.7	<0.01	0.02	1	0.033	0.26	2.42	41	0.79
10.1	17.6	<0.001	0.01	0.82	3.1	0.4	0.8	12.5	<0.01	0.02	4.9	0.054	0.21	1.45	36	1.5
10.5	15.5	<0.001	0.01	0.8	3.5	0.3	0.8	9.9	<0.01	0.03	5.7	0.058	0.21	2.3	39	1.38
9.3	14.3	<0.001	0.03	0.38	3.3	0.5	0.8	11.9	0.01	0.06	3.2	0.062	0.18	1	46	7.09
8.4	31.7	<0.001	<0.01	0.72	1.5	<0.2	1.1	296	<0.01	<0.01	4.7	0.013	0.36	2.49	12	0.13
9.6	63	<0.001	0.01	0.4	4	0.2	3.4	18.7	<0.01	<0.01	6.9	0.085	0.54	2.6	32	1
22.7	60.5	<0.001	0.03	0.78	4.3	0.6	2.2	14	<0.01	0.03	2.8	0.077	0.55	3.71	53	2.24
24.2	8.4	<0.001	0.03	5.74	16.9	0.5	0.5	18.6	0.01	0.05	3.8	0.005	1.29	1.64	92	0.68
14.1	27.7	<0.001	0.01	2.37	9	0.4	0.8	12.4	<0.01	0.02	7.4	0.055	0.69	2.39	57	1.24
9	16.5	<0.001	0.01	0.45	3.8	0.3	0.8	10.7	<0.01	0.03	3.5	0.044	0.19	1.1	43	0.96
11	20.9	<0.001	0.02	0.43	2.9	0.2	0.9	13.3	<0.01	0.03	1	0.035	0.19	1.97	45	0.45
9.2	18.6	<0.001	0.02	0.52	3.2	0.2	1	12.2	<0.01	0.02	3.9	0.089	0.2	1.08	52	0.88
5.2	4.8	<0.001	<0.01	0.42	12.3	<0.2	0.3	13.4	<0.01	<0.01	5.2	<0.005	0.05	1.44	51	1.37
5.7	9.1	<0.001	0.01	0.21	4.4	0.2	0.4	16.8	<0.01	0.01	6.3	0.047	0.12	0.94	44	0.22
5.4	10.2	<0.001	0.02	0.28	2.5	0.2	0.6	14.3	<0.01	0.01	1.1	0.02	0.14	0.67	42	0.23
4.5	8.2	<0.001	0.01	0.28	3.6	0.2	0.5	18.6	<0.01	0.01	2.7	0.024	0.09	0.71	42	0.18
7.3	13.4	<0.001	0.02	0.37	2.1	0.2	0.4	13.3	<0.01	0.02	0.9	0.038	0.1	0.71	43	0.24
9	11.3	<0.001	0.02	0.36	1.7	0.3	0.5	15	<0.01	0.02	0.5	0.017	0.14	0.96	47	0.26
6	13.4	<0.001	0.03	0.32	1.3	0.3	0.6	12.5	<0.01	0.02	0.4	0.024	0.11	1.27	41	0.29
4.3	13.9	<0.001	0.07	0.31	0.8	0.3	0.5	12.2	<0.01	0.01	0.2	0.013	0.09	0.96	39	0.14
8.2	34.2	<0.001	0.03	0.39	3.4	0.3	2.7	43.6	<0.01	0.02	2.2	0.044	0.27	2.42	43	0.4
12.3	34.5	<0.001	0.02	0.69	6.7	0.3	1.5	17.3	<0.01	0.02	4.1	0.089	0.48	2.42	63	1.14
NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS	NSS
5.4	9.9	<0.001	0.01	0.25	3.1	0.3	0.3	22.4	<0.01	0.01	4.1	0.028	0.07	1.53	34	2.13
18.4	75	0.001	0.15	2.69	9.1	2.1	1.4	43.3	<0.01	0.05	8.7	0.116	0.75	16.4	93	3.03
17.7	53.5	<0.001	0.08	4.27	6.5	1.4	1	25.3	<0.01	0.03	10.7	0.083	0.74	9.31	67	8.95
5.5	9.2	0.001	0.01	0.26	2.8	0.6	0.4	21.2	<0.01	0.01	2.5	0.023	0.09	1.64	31	1.1

AuME-TL43	AuME-TL43	AuME-TL43	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
Y	Zn	Zr	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La
ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm
0.05	2	0.5	1	0.05	50	50	10	20	0.05	10	10	10	10	0.05	50	0.1	50
10.7	53	<0.5															
8.37	59	<0.5															
9.75	84	<0.5															
10.1	87	0.5															
10.9	137	1.3															
5.49	85	0.6															
6.44	59	<0.5															
6.64	59	0.6															
4.87	57	1															
7.81	51	<0.5															
8.57	58	<0.5															
7.85	46	<0.5															
8.6	75	<0.5															
6.39	62	<0.5															
9.12	58	2.3															
11.4	118	1.5															
9.66	99	2.4															
8.06	73	<0.5															
6.84	54	1															
7.13	64	0.6															
5.89	41	1.9															
7.55	44	1.1															
8.1	58	1.4															
8.34	67	<0.5															
28.6	145	2.3															
19.1	84	1.9															
5.02	53	<0.5															
6.61	58	<0.5															
5.07	63	0.7															
19.6	52	0.6															
7.66	44	<0.5															
4.58	36	<0.5															
5.72	38	<0.5															
3.3	42	<0.5															
4.75	51	<0.5															
4.13	38	<0.5															
3.25	35	<0.5															
9.17	55	<0.5															
8.16	64	0.8															
NSS	NSS	NSS	<1	4.22	<50	870	<10	<20	1.13	<10	10	80	50	3.86	<50	2.4	110
5.11	47	<0.5	<1	3.31	<50	780	<10	<20	2.09	<10	10	60	20	3.35	<50	1.2	<50
11.45	131	1.1															
11.55	101	2.3	<1	4.92	<50	870	<10	<20	1.22	<10	10	70	30	3.56	<50	2.3	50
6.7	47	<0.5															

ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a	ME-ICP61a
Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05	50	50	10	50	20
0.82	1010	10	1.66	40	1100	30	0.31	<50	10	170	<50	0.33	<50	<50	120	<50	120
0.87	780	<10	2.08	20	710	20	<0.05	<50	10	220	<50	0.28	<50	<50	110	<50	70
1	790	<10	1.44	40	970	30	0.07	<50	10	150	<50	0.34	<50	<50	120	<50	120

Au-ICP21
Au
ppm
0.001
NSS
<0.001
<0.001

Qu036095

Workorder		YW17124066														
	Method	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sequence	Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
001	RG17-RC-001	0.85	<0.2	0.39	<2	<10	30	0.9	2	0.08	<0.5	3	9	12	0.78	<10
002	RG17-RC-002	0.83	0.2	2.49	<2	<10	130	<0.5	<2	0.1	<0.5	5	49	32	3.46	10
003	RG17-RC-003	0.53	0.3	2.86	2	<10	430	<0.5	<2	0.04	<0.5	5	55	23	4.04	10
004	RG17-RC-004	0.41	<0.2	0.24	<2	<10	10	<0.5	9	0.03	<0.5	<1	5	6	0.45	<10
005	RG17-RC-005	1.04	0.4	0.99	3	<10	50	1.3	<2	0.1	0.8	3	21	66	3.79	<10
006	RG17-RC-006	0.33	<0.2	0.15	<2	<10	<10	<0.5	<2	0.03	<0.5	<1	6	2	0.35	<10
007	RG17-RC-007	0.92	0.3	0.5	3	<10	10	<0.5	4	0.07	<0.5	<1	17	46	1.21	<10
008	RG17-RC-008	0.34	0.2	1.56	<2	<10	90	<0.5	<2	0.11	<0.5	2	35	31	1.5	<10
009	RG17-RC-009	0.35	<0.2	0.07	<2	<10	10	<0.5	<2	0.04	<0.5	1	9	2	0.55	<10
010	RG17-RC-010	0.42	<0.2	0.02	<2	<10	<10	<0.5	2	0.02	<0.5	<1	18	3	0.54	<10
011	RG17-RC-011	0.44	<0.2	0.26	<2	<10	20	0.8	<2	0.08	<0.5	1	12	19	0.74	<10
012	RG17-RC-012	0.46	<0.2	0.16	2	<10	20	<0.5	<2	0.02	<0.5	1	9	4	0.53	<10
013	RG17-RC-013	1.11	<0.2	0.2	<2	<10	10	0.5	<2	0.04	<0.5	1	11	5	0.58	<10
014	RG17-RC-014	0.48	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	13	1	0.41	<10
015	RG17-RC-015	0.43	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	19	1	0.43	<10
016	RG17-RC-016	0.76	<0.2	0.66	<2	<10	30	<0.5	<2	0.06	<0.5	5	18	15	1.5	<10
017	RG17-RC-017	0.37	<0.2	0.14	<2	<10	10	<0.5	<2	0.01	<0.5	<1	12	2	0.45	<10
018	RG17-RC-018	0.33	<0.2	0.54	<2	<10	20	<0.5	2	0.51	<0.5	5	20	14	0.99	<10
019	RG17-RC-019	0.15	<0.2	0.22	<2	<10	10	<0.5	2	1.06	<0.5	1	11	4	0.72	<10
020	RG17-RC-020	0.49	<0.2	0.72	<2	<10	10	<0.5	<2	0.68	<0.5	5	21	12	1.02	<10
021	RG17-RC-021	0.57	<0.2	0.32	<2	<10	10	<0.5	<2	0.94	<0.5	2	13	6	0.64	<10
022	RG17-RC-022	0.51	<0.2	0.57	<2	<10	10	0.5	<2	2.55	<0.5	2	11	10	0.66	<10
023	RG17-RC-023	0.31	<0.2	1.02	2	<10	70	<0.5	2	0.17	<0.5	5	14	7	1.88	10
024	RG17-RC-024	0.19	<0.2	1	<2	<10	80	<0.5	<2	0.19	<0.5	3	15	5	1.75	10
025	RG17-RC-025	0.38	<0.2	0.12	<2	<10	<10	<0.5	<2	0.02	<0.5	1	7	1	0.83	<10
026	RG17-RC-026	0.49	<0.2	1.03	<2	<10	50	<0.5	<2	0.23	<0.5	4	5	5	2.47	10
027	RG17-RC-027	0.23	<0.2	0.93	<2	<10	70	<0.5	<2	0.14	<0.5	3	12	3	1.7	10
028	RG17-RC-028	0.2	<0.2	0.04	<2	<10	<10	<0.5	<2	0.01	<0.5	1	8	3	0.53	<10
029	RG17-RC-029	0.24	<0.2	0.2	<2	<10	10	0.5	<2	0.08	<0.5	<1	6	1	0.44	<10
030	RG17-RC-030	0.29	<0.2	0.59	2	<10	40	0.6	<2	0.09	<0.5	2	8	6	1.06	<10
031	RG17-RC-031	0.34	<0.2	0.85	<2	<10	50	<0.5	<2	0.14	<0.5	3	12	6	1.6	<10
032	RG17-RC-032	0.38	<0.2	0.9	<2	<10	60	<0.5	<2	0.13	<0.5	3	9	5	1.54	<10
033	RG17-RC-033	0.35	<0.2	0.69	<2	<10	40	<0.5	<2	0.09	<0.5	2	9	2	1.13	<10
034	RG17-RC-034	0.28	<0.2	0.57	<2	<10	30	<0.5	<2	0.08	<0.5	1	6	1	0.91	<10
035	RG17-RC-035	0.23	<0.2	0.2	4	<10	20	<0.5	<2	0.06	<0.5	<1	5	1	0.37	<10
036	RG17-RC-036	0.43	<0.2	0.73	<2	<10	50	<0.5	<2	0.1	<0.5	2	11	5	1.34	<10
037	RG17-RC-037	0.35	<0.2	0.85	<2	<10	50	<0.5	<2	0.12	<0.5	2	8	4	1.47	<10
038	RG17-RC-038	0.42	<0.2	0.51	<2	<10	20	<0.5	<2	0.09	<0.5	1	5	1	1.31	<10
039	RG17-RC-039	0.25	<0.2	0.14	<2	<10	10	<0.5	<2	0.03	<0.5	<1	7	1	0.4	<10

040	RG17-RC-040	0.64	<0.2	2.21	4	<10	580	0.8	2	1.53	<0.5	17	32	21	4.05	10
041	RG17-RC-041	0.3	<0.2	0.62	<2	<10	50	<0.5	<2	0.09	<0.5	2	8	1	1.19	<10
042	RG17-RC-042	0.36	<0.2	1.09	<2	<10	60	<0.5	<2	0.14	<0.5	3	8	4	1.66	10
043	RG17-RC-043	0.55	<0.2	0.27	<2	<10	40	<0.5	<2	0.37	<0.5	2	6	1	0.69	<10
044	RG17-RC-044	0.27	<0.2	0.66	<2	<10	50	<0.5	<2	0.08	<0.5	2	7	6	1.18	<10
045	RG17-RC-045	0.33	<0.2	0.81	<2	<10	90	<0.5	2	0.21	<0.5	3	9	7	1.49	<10
046	RG17-RC-046	0.26	<0.2	0.88	<2	<10	60	<0.5	<2	0.14	<0.5	3	10	3	1.61	<10
047	RG17-RC-047	0.42	<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	12	1	0.44	<10
048	RG17-RC-048	0.3	<0.2	0.06	<2	<10	10	<0.5	<2	0.15	<0.5	<1	8	1	0.53	<10
049	RG17-RC-049	0.27	<0.2	0.42	<2	<10	30	<0.5	<2	0.16	<0.5	1	7	2	0.74	<10
050	RG17-RC-050	0.3	<0.2	0.2	<2	<10	<10	<0.5	<2	0.02	<0.5	1	5	2	0.46	<10
051	RG17-RC-051	0.34	<0.2	0.2	<2	<10	<10	<0.5	<2	0.02	<0.5	<1	8	3	0.54	<10
052	RG17-RC-052	0.45	<0.2	0.08	<2	<10	10	<0.5	<2	0.09	<0.5	1	12	1	0.53	<10
053	RG17-RC-053	0.56	<0.2	1.1	<2	<10	70	<0.5	<2	0.5	<0.5	8	6	3	1.57	<10
054	RG17-RC-054	0.26	<0.2	0.02	<2	<10	10	<0.5	<2	0.01	<0.5	1	12	5	0.55	<10
055	RG17-RC-055	0.17	<0.2	0.86	<2	<10	10	<0.5	<2	0.23	<0.5	10	25	9	1.23	<10
056	RG17-RC-056	0.42	<0.2	2.24	<2	<10	170	<0.5	<2	1.27	<0.5	31	156	9	2.11	<10
057	RG17-RC-057	0.42	<0.2	0.04	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	16	2	0.46	<10
058	RG17-RC-058	0.5	<0.2	0.11	<2	<10	10	<0.5	<2	0.06	<0.5	1	15	4	0.58	<10
059	RG17-RC-059	0.55	<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	22	1	0.42	<10
060	RG17-RC-060	0.71	1.2	0.47	9	<10	<10	<0.5	2	0.03	<0.5	150	9	108	3.48	<10
061	RG17-RC-061	0.59	<0.2	0.36	<2	<10	160	<0.5	<2	0.16	<0.5	1	6	5	0.38	<10
062	RG17-RC-062	0.4	2.3	0.39	<2	<10	20	<0.5	<2	0.18	<0.5	9	11	1860	1.36	<10
063	RG17-RC-063	0.72	<0.2	3.98	<2	<10	70	1.4	<2	1.81	<0.5	17	75	42	4.2	10
064	RG17-RC-064	0.4	<0.2	2.17	<2	<10	30	<0.5	<2	1.16	<0.5	8	52	22	2.56	10
065	RG17-RC-065	0.3	<0.2	4.86	<2	<10	180	1.5	<2	2.5	<0.5	8	65	9	3.21	10
066	RG17-RC-066	0.38	<0.2	0.04	<2	<10	<10	<0.5	<2	0.71	<0.5	1	15	5	0.49	<10
067	RG17-RC-067	0.46	<0.2	1.77	<2	<10	20	<0.5	2	1.76	<0.5	11	78	53	2.85	<10
068	RG17-RC-068	0.42	0.3	0.67	<2	<10	120	<0.5	2	1.29	1.4	15	73	63	2.08	<10
069	RG17-RC-069	0.53	<0.2	0.01	<2	<10	<10	<0.5	<2	0.02	<0.5	<1	17	2	0.45	<10
070	RG17-RC-070	0.5	<0.2	3.58	<2	<10	130	1.4	<2	1.12	<0.5	15	53	109	4	10
071	RG17-RC-071	0.64	0.6	2.72	<2	<10	80	1.1	<2	0.92	0.6	3	59	62	2.71	10
072	RG17-RC-072	0.62	0.2	3.11	2	<10	70	1.5	<2	1.08	0.7	20	56	101	3.19	10
073	RG17-RC-073	0.46	<0.2	0.05	2	<10	10	<0.5	<2	0.02	<0.5	1	13	11	0.54	<10
074	RG17-RC-074	0.39	<0.2	1.92	<2	<10	210	<0.5	<2	0.51	<0.5	13	10	6	2.8	<10
075	RG17-RC-075	0.24	<0.2	1.11	<2	<10	30	<0.5	<2	0.3	<0.5	7	7	5	1.95	<10
076	RG17-RC-076	0.3	0.2	0.34	<2	<10	20	<0.5	<2	0.04	1.3	<1	4	5	0.34	<10
077	RG17-RC-077	0.45	<0.2	0.45	6	<10	10	<0.5	<2	1.9	<0.5	9	14	21	1.3	<10
078	RG17-RC-078	0.33	<0.2	3.71	<2	<10	170	0.6	<2	0.42	<0.5	28	78	30	7.29	10
079	RG17-RC-079	0.24	<0.2	1.21	<2	<10	70	<0.5	<2	0.45	<0.5	11	9	4	2.17	<10
080	RG17-RC-080	0.3	<0.2	1	<2	<10	80	<0.5	2	0.67	<0.5	7	9	5	1.55	<10
081	RG17-RC-081	0.4	<0.2	2.12	4	<10	90	<0.5	<2	0.14	<0.5	16	36	34	4.71	<10
082	RG17-RC-082	0.48	<0.2	0.64	4	<10	60	<0.5	<2	0.08	<0.5	3	13	21	1.55	<10
083	RG17-RC-083	0.33	<0.2	0.53	9	<10	10	<0.5	<2	1.14	<0.5	3	20	8	1.03	<10

084	RG17-RC-084	0.47	<0.2	0.2	<2	<10	<10	<0.5	<2	0.25	<0.5	<1	10	1	0.63	<10
085	RG17-RC-085	0.51	<0.2	0.08	<2	<10	130	<0.5	<2	0.08	<0.5	1	15	107	0.57	<10
086	RG17-RC-086	0.3	<0.2	0.24	<2	<10	10	1.6	<2	0.1	<0.5	<1	5	6	0.47	<10
087	RG17-RC-087	0.45	<0.2	3.76	2	<10	220	1.7	<2	1.38	<0.5	11	49	61	2.91	10
088	RG17-RC-088	0.38	<0.2	1.54	<2	<10	80	<0.5	<2	0.05	<0.5	7	25	1	1.95	10
089	RG17-RC-089	1.04	18.3	0.07	5	<10	10	<0.5	598	0.18	<0.5	3	14	21	1.47	<10
090	RG17-RC-089-REP	0.81	32.5	0.15	5	<10	20	0.5	2340	0.38	<0.5	3	11	22	1.34	<10
091	RG17-RC-090	0.71	0.3	0.26	<2	<10	20	1	6	0.89	<0.5	2	7	9	1.23	<10
092	RG17-RC-091	0.54	0.4	0.14	3	<10	20	<0.5	3	0.32	<0.5	2	10	52	0.82	<10
093	RG17-G-001	0.45	<0.2	0.22	3	<10	10	<0.5	<2	0.06	<0.5	<1	7	10	0.43	<10
094	RG17-G-002	0.35	<0.2	0.03	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	16	1	0.42	<10
095	RG17-G-003	0.41	0.2	0.29	2	<10	10	<0.5	<2	0.02	<0.5	<1	6	9	0.75	<10
096	RG17-G-004	0.38	<0.2	0.49	<2	<10	20	0.6	<2	0.43	<0.5	1	7	4	1	<10
097	RG17-G-005	0.33	9.4	0.51	<2	<10	10	0.7	16	0.1	<0.5	2	4	23	1.59	<10
098	RG17-G-006	0.38	<0.2	0.86	<2	<10	60	<0.5	<2	0.11	<0.5	3	9	5	1.39	<10
099	RG17-G-007	0.4	<0.2	0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	11	1	0.43	<10
100	RG17-G-008	0.54	<0.2	0.01	<2	<10	<10	<0.5	<2	0.05	<0.5	<1	16	2	0.44	<10
101	RG17-G-009	0.41	<0.2	0.02	<2	<10	10	<0.5	<2	0.07	<0.5	<1	15	8	0.55	<10
102	RG17-G-010	0.31	<0.2	0.06	<2	<10	10	<0.5	<2	0.01	<0.5	<1	20	2	0.49	<10
103	RG17-G-011	0.44	<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	19	1	0.51	<10
104	RG17-G-012	0.34	<0.2	0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	18	1	0.46	<10
105	RG17-G-013	0.97	<0.2	0.4	18	<10	70	0.5	<2	2.71	<0.5	8	22	30	2.8	<10
106	RG17-G-014	0.51	<0.2	3.83	<2	<10	90	0.6	<2	1.92	<0.5	12	134	36	2.35	10
107	RG17-G-015	0.36	<0.2	1.83	2	<10	90	<0.5	<2	1.38	<0.5	17	78	47	2.95	<10
108	RG17-G-016	0.37	<0.2	1.49	2	<10	20	<0.5	<2	1.55	<0.5	13	78	60	2.79	<10
109	RG17-G-017	0.32	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	15	1	0.51	<10
110	RG17-G-018	0.56	<0.2	0.13	2	<10	10	<0.5	<2	0.02	<0.5	1	12	2	0.64	<10
111	RG17-G-019	0.44	<0.2	1.15	5	<10	10	<0.5	<2	17.9	<0.5	12	27	34	2.49	<10
112	RG17-G-020	0.54	0.4	6.44	<2	<10	100	2.5	<2	2.57	<0.5	15	85	70	4.41	20

ME-ICP41	MB-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Ti
ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20	0.01	10
<1	0.15	10	0.07	196	5	0.02	7	260	11	0.05	<2	<1	10	<20	0.01	<10
<1	1.56	20	1.3	927	1	0.03	15	240	2	0.16	<2	8	37	<20	0.31	<10
<1	1.97	20	1.53	505	2	0.03	10	340	4	0.11	<2	5	19	<20	0.35	<10
<1	0.11	<10	0.03	85	<1	0.03	2	70	4	0.01	<2	<1	2	<20	<0.01	<10
<1	0.32	40	0.29	175	5	0.01	37	640	19	0.08	<2	2	49	<20	0.02	<10
<1	0.1	<10	0.01	124	<1	0.02	1	90	3	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.21	<10	0.2	280	59	0.01	4	350	12	0.06	<2	1	2	<20	0.02	<10
<1	0.68	10	0.73	571	1	<0.01	41	220	2	0.02	<2	4	10	<20	0.07	<10
<1	0.02	<10	0.03	144	<1	<0.01	1	30	<2	<0.01	<2	<1	2	<20	<0.01	<10
<1	0.01	<10	<0.01	115	1	<0.01	2	110	6	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.14	10	0.01	133	<1	0.03	2	300	6	<0.01	<2	<1	3	<20	<0.01	<10
<1	0.1	10	0.01	45	1	<0.01	3	130	2	<0.01	<2	<1	3	<20	<0.01	<10
<1	0.08	10	0.03	219	<1	0.01	2	170	2	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.01	<10	<0.01	52	<1	<0.01	<1	40	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.01	<10	<0.01	49	<1	<0.01	1	50	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.12	10	0.32	231	<1	<0.01	11	230	3	<0.01	<2	1	3	<20	0.01	<10
<1	0.03	<10	0.01	56	<1	<0.01	2	40	2	<0.01	<2	<1	2	<20	<0.01	<10
<1	0.14	<10	0.42	179	1	0.02	11	160	2	<0.01	<2	1	14	<20	0.05	<10
<1	0.06	<10	0.11	182	1	0.01	3	130	6	<0.01	<2	<1	29	<20	0.02	<10
<1	0.23	10	0.39	111	5	0.02	11	270	3	0.01	<2	1	12	<20	0.06	<10
<1	0.01	<10	0.1	113	1	<0.01	4	380	<2	<0.01	<2	<1	12	<20	0.03	<10
<1	0.09	<10	0.23	121	1	0.02	5	140	3	<0.01	<2	<1	19	<20	0.04	<10
<1	0.73	10	0.52	362	<1	0.05	4	560	2	<0.01	<2	5	10	<20	0.18	<10
<1	0.68	10	0.47	349	<1	0.05	4	520	2	<0.01	<2	4	13	<20	0.16	<10
<1	0.08	<10	0.02	70	<1	0.03	<1	70	5	<0.01	<2	1	2	20	0.01	<10
<1	0.76	50	0.39	348	<1	0.05	2	1000	3	<0.01	<2	7	6	40	0.19	<10
<1	0.62	10	0.44	295	<1	0.05	3	480	<2	<0.01	<2	3	12	<20	0.14	<10
<1	0.01	20	0.01	131	1	<0.01	2	50	<2	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.1	<10	0.02	84	<1	0.02	1	340	3	<0.01	<2	<1	4	<20	<0.01	<10
<1	0.38	10	0.23	242	<1	0.03	1	400	3	<0.01	<2	2	6	<20	0.07	<10
<1	0.59	10	0.39	267	<1	0.04	2	540	2	<0.01	<2	3	11	<20	0.14	<10
<1	0.6	10	0.41	297	<1	0.04	3	500	2	<0.01	<2	3	8	<20	0.12	<10
<1	0.43	10	0.25	281	<1	0.03	2	340	2	<0.01	<2	2	5	<20	0.08	<10
<1	0.35	10	0.19	244	<1	0.03	1	320	<2	<0.01	<2	1	5	<20	0.05	<10
<1	0.12	<10	0.03	188	<1	0.03	1	110	<2	<0.01	<2	<1	3	<20	0.01	<10
<1	0.48	10	0.33	253	<1	0.04	2	400	2	<0.01	<2	2	8	<20	0.1	<10
<1	0.53	10	0.35	316	<1	0.04	2	440	2	<0.01	<2	3	7	<20	0.1	<10
<1	0.3	20	0.13	160	<1	0.03	1	460	4	<0.01	<2	2	3	40	0.06	<10
<1	0.1	<10	0.02	63	<1	0.02	<1	80	3	<0.01	<2	<1	4	<20	0.01	<10

<1	0.3	70	2.1	813	<1	0.11	45	3400	8	0.01	<2	9	142	<20	0.36	<10
<1	0.42	10	0.27	202	<1	0.02	1	320	2	<0.01	<2	2	12	<20	0.09	<10
1	0.63	10	0.42	314	<1	0.04	3	470	2	<0.01	<2	3	10	<20	0.14	<10
<1	0.05	20	0.2	316	<1	0.06	2	630	3	<0.01	<2	2	17	<20	0.05	<10
<1	0.41	10	0.26	204	<1	0.03	2	320	<2	<0.01	<2	2	7	<20	0.08	<10
<1	0.53	10	0.35	370	<1	0.03	3	430	<2	<0.01	<2	3	9	<20	0.11	<10
<1	0.61	10	0.39	359	<1	0.04	3	500	<2	<0.01	<2	3	7	<20	0.12	<10
<1	<0.01	<10	<0.01	50	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.04	<10	0.01	92	<1	<0.01	1	10	2	<0.01	<2	<1	6	<20	<0.01	<10
<1	0.2	10	0.09	218	<1	0.03	2	140	5	<0.01	2	1	21	<20	0.02	<10
<1	0.12	<10	0.02	80	<1	0.03	1	50	5	<0.01	<2	<1	1	<20	0.01	<10
<1	0.09	<10	0.01	120	<1	0.04	1	50	7	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.01	<10	0.04	72	<1	<0.01	1	160	<2	<0.01	<2	<1	3	<20	<0.01	<10
<1	0.23	10	0.64	295	<1	0.06	2	370	<2	0.01	<2	2	24	<20	0.04	<10
<1	0.01	<10	0.01	62	<1	<0.01	1	10	<2	<0.01	<2	<1	1	<20	<0.01	<10
<1	<0.01	<10	0.97	202	<1	0.03	11	50	<2	<0.01	<2	2	8	<20	0.02	<10
<1	0.01	<10	3.04	363	<1	0.03	60	170	<2	0.03	<2	6	21	<20	0.08	<10
<1	0.01	<10	0.02	52	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.01	<10	0.05	60	<1	0.01	2	30	<2	<0.01	<2	<1	4	<20	<0.01	<10
<1	<0.01	<10	<0.01	43	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.01	<10	0.15	114	5	0.06	1	260	8	1.77	<2	1	3	<20	<0.01	<10
<1	0.1	<10	0.06	136	<1	0.04	1	120	<2	<0.01	<2	<1	15	<20	<0.01	<10
<1	0.04	<10	0.24	186	1	0.01	2	230	<2	0.31	<2	1	9	<20	<0.01	<10
1	1.71	10	2.02	380	<1	0.18	51	420	6	0.02	<2	10	51	<20	0.2	<10
1	0.87	20	1.57	280	<1	0.1	22	590	9	<0.01	<2	7	18	<20	0.17	<10
<1	1.58	20	1.72	398	1	0.16	31	510	3	0.01	<2	10	40	<20	0.18	<10
<1	<0.01	<10	0.02	121	5	<0.01	1	10	<2	<0.01	<2	<1	3	<20	<0.01	<10
1	0.14	<10	0.62	290	<1	0.22	19	710	15	0.12	<2	10	27	<20	0.31	<10
<1	0.23	<10	0.87	283	<1	0.07	46	190	95	0.52	<2	5	22	<20	0.22	<10
<1	<0.01	<10	<0.01	58	<1	<0.01	2	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	1.21	20	1.06	923	<1	0.12	60	340	6	0.67	<2	11	62	<20	0.17	<10
1	0.96	20	1.13	817	48	0.23	17	1910	79	0.59	<2	6	60	<20	0.07	<10
<1	0.77	20	0.93	751	7	0.13	85	490	13	0.92	<2	9	49	<20	0.11	<10
<1	0.02	<10	0.03	90	1	<0.01	1	10	<2	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.66	10	1.35	490	<1	0.03	3	410	<2	<0.01	<2	2	25	<20	0.16	<10
<1	0.05	10	0.61	486	<1	0.05	1	420	<2	<0.01	<2	1	21	<20	0.01	<10
<1	0.11	10	0.01	135	<1	<0.01	1	20	61	<0.01	<2	1	3	40	<0.01	<10
<1	0.04	20	0.09	154	<1	0.01	15	550	6	0.04	<2	1	98	<20	0.12	<10
<1	0.31	20	2.12	980	<1	<0.01	52	160	<2	<0.01	<2	5	17	30	0.33	<10
<1	0.16	10	0.93	482	<1	0.02	6	670	<2	<0.01	<2	2	33	<20	0.1	<10
<1	0.19	10	0.41	264	<1	0.02	4	660	2	<0.01	<2	1	54	<20	0.11	<10
<1	0.2	20	0.94	568	<1	<0.01	33	210	5	0.01	<2	2	4	20	0.1	<10
<1	0.23	10	0.14	120	<1	0.01	7	180	24	0.06	<2	3	14	<20	0.13	<10
<1	0.04	10	0.09	92	<1	<0.01	10	560	9	0.03	<2	1	24	<20	0.16	<10

<1	0.01	<10	0.01	50	<1	<0.01	2	20	2	<0.01	<2	<1	33	<20	0.01	<10
<1	0.04	<10	0.02	83	<1	<0.01	2	180	<2	0.01	<2	<1	4	<20	<0.01	<10
<1	0.11	<10	0.07	168	<1	0.02	2	350	5	0.01	<2	<1	2	<20	<0.01	<10
<1	1.28	20	1.13	960	1	0.14	45	220	4	0.14	<2	8	64	<20	0.17	<10
<1	1.13	20	0.98	763	<1	0.02	20	140	3	<0.01	<2	7	2	20	0.13	<10
<1	0.06	<10	0.01	81	206	<0.01	2	80	787	1.13	6	<1	5	<20	<0.01	<10
<1	0.1	<10	0.02	144	421	0.02	3	210	1315	0.81	20	<1	8	<20	<0.01	<10
<1	0.14	10	0.07	360	14	0.03	2	380	18	0.37	<2	<1	16	<20	<0.01	<10
<1	0.1	10	0.02	152	1520	0.02	2	340	21	0.46	<2	<1	6	<20	<0.01	<10
<1	0.09	<10	0.02	70	3	0.02	2	80	8	0.01	3	<1	4	<20	<0.01	<10
<1	0.03	<10	<0.01	45	1	<0.01	1	10	2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.15	10	0.04	122	2	0.02	2	90	15	0.03	<2	<1	1	<20	<0.01	<10
<1	0.12	20	0.18	266	<1	0.02	2	400	7	0.01	<2	<1	7	<20	<0.01	<10
<1	0.06	50	0.04	111	1	0.02	2	490	113	0.01	<2	1	3	40	<0.01	<10
<1	0.49	10	0.31	257	<1	0.04	2	380	2	0.01	<2	2	7	<20	0.09	<10
<1	<0.01	<10	<0.01	49	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	<0.01	<10	<0.01	55	<1	<0.01	2	<10	<2	<0.01	<2	<1	1	<20	<0.01	<10
<1	0.01	<10	<0.01	50	<1	<0.01	1	330	<2	0.01	<2	<1	1	<20	<0.01	<10
<1	0.02	<10	0.01	53	<1	0.01	1	40	<2	0.01	<2	<1	1	<20	<0.01	<10
<1	<0.01	<10	<0.01	51	<1	<0.01	2	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	<0.01	<10	<0.01	48	<1	<0.01	1	<10	<2	<0.01	<2	<1	<1	<20	<0.01	<10
<1	0.07	10	0.2	557	1	<0.01	22	450	14	0.01	<2	4	22	<20	<0.01	<10
<1	0.74	<10	1.26	190	<1	0.26	48	330	7	0.27	<2	8	39	<20	0.13	<10
<1	0.44	<10	0.87	306	<1	0.11	35	430	4	0.05	<2	7	21	<20	0.26	<10
<1	0.07	<10	0.75	309	<1	0.11	28	630	3	0.04	<2	8	15	<20	0.33	<10
<1	<0.01	<10	<0.01	60	<1	<0.01	1	<10	<2	0.01	<2	<1	<1	<20	<0.01	<10
<1	0.03	<10	0.05	76	<1	<0.01	3	50	6	0.01	<2	<1	1	<20	<0.01	<10
<1	<0.01	10	1.14	1905	<1	0.01	40	1240	15	0.04	<2	12	1405	<20	0.09	<10
<1	2.09	10	2.01	831	1	0.18	46	480	6	0.69	<2	16	254	<20	0.3	<10

ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
U	V	W	Zn
ppm	ppm	ppm	ppm
10	1	10	2
10	7	<10	17
<10	77	<10	123
<10	68	<10	108
<10	2	<10	11
<10	32	<10	119
<10	<1	<10	4
10	11	<10	16
<10	28	<10	47
<10	2	<10	6
<10	<1	<10	2
<10	3	<10	19
<10	2	<10	11
<10	2	<10	16
<10	<1	<10	<2
<10	<1	<10	<2
<10	8	<10	20
<10	1	<10	2
<10	11	10	18
<10	4	<10	12
<10	14	120	20
<10	7	<10	7
<10	8	<10	12
<10	39	<10	53
<10	36	<10	48
60	1	<10	5
<10	21	<10	60
<10	32	<10	49
<10	1	180	2
<10	2	<10	5
<10	16	<10	32
10	29	<10	45
<10	28	<10	46
<10	16	<10	36
<10	11	<10	29
20	2	<10	9
<10	23	<10	42
<10	24	<10	44
10	10	<10	26
30	1	<10	2

<10	119	<10	83
<10	21	<10	32
<10	31	<10	46
<10	11	<10	33
<10	19	<10	31
<10	25	<10	44
<10	28	<10	50
<10	<1	<10	<2
<10	1	<10	2
<10	6	<10	18
<10	1	<10	7
<10	1	<10	8
<10	2	<10	2
<10	28	<10	31
<10	1	<10	<2
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<10	54	<10	22
<10	1	<10	<2
<10	2	<10	2
<10	<1	<10	<2
<10	8	<10	20
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<10	10	<10	12
<10	98	<10	79
<10	51	<10	59
<10	80	<10	68
<10	1	<10	<2
<10	114	<10	40
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<10	1	<10	2
<10	90	<10	111
10	306	<10	56
<10	114	<10	88
<10	2	<10	2
<10	53	<10	57
<10	12	<10	42
<10	1	<10	38
<10	11	<10	30
<10	40	<10	117
<10	29	<10	40
<10	32	<10	23
<10	22	<10	81
<10	12	<10	14
<10	12	<10	13

<10	2	<10	3
<10	1	<10	5
<10	1	<10	9
<10	59	<10	96
<10	45	<10	70
<10	1	<10	16
10	1	<10	23
10	3	<10	39
<10	1	<10	8
10	1	<10	8
<10	<1	<10	<2
10	2	<10	11
<10	5	<10	32
10	6	<10	42
<10	22	<10	39
<10	<1	<10	<2
<10	<1	<10	<2
<10	<1	<10	<2
<10	1	<10	<2
<10	<1	<10	<2
<10	<1	<10	<2
<10	31	<10	73
<10	85	40	39
<10	118	<10	51
<10	92	<10	40
<10	1	<10	<2
<10	2	<10	4
<10	43	<10	33
<10	143	<10	102

QW30095

Workorder YW17223833

	Method	ME-MS62
	Analyte	Re
		ppm
Sequence	Description	0.002
001	RG17-RC-089	0.062
002	RG17-RC-090	<0.002
003	RG17-RC-091	0.275

QW30095

Workorder		YW17184018
	Method	Au-ICP21
	Analyte	Au
		ppm
Sequence	Description	0.001
003	RG17-RC-003	<0.001
005	RG17-RC-005	<0.001
006	RG17-RC-006	<0.001
008	RG17-RC-008	0.001
009	RG17-RC-009	<0.001
010	RG17-RC-010	<0.001
012	RG17-RC-012	<0.001
015	RG17-RC-015	<0.001
016	RG17-RC-016	<0.001
017	RG17-RC-017	<0.001
018	RG17-RC-018	<0.001
019	RG17-RC-019	<0.001
022	RG17-RC-022	<0.001
028	RG17-RC-028	<0.001
051	RG17-RC-051	<0.001
052	RG17-RC-052	<0.001
053	RG17-RC-053	<0.001
054	RG17-RC-054	<0.001
055	RG17-RC-055	<0.001
057	RG17-RC-057	<0.001
058	RG17-RC-058	<0.001
059	RG17-RC-059	<0.001
060	RG17-RC-060	0.063
063	RG17-RC-063	<0.001
065	RG17-RC-065	<0.001
066	RG17-RC-066	<0.001
067	RG17-RC-067	<0.001
068	RG17-RC-068	<0.001
069	RG17-RC-069	<0.001
070	RG17-RC-070	<0.001
071	RG17-RC-071	<0.001
072	RG17-RC-072	<0.001
073	RG17-RC-073	<0.001
074	RG17-RC-074	<0.001
075	RG17-RC-075	<0.001
076	RG17-RC-076	0.002
077	RG17-RC-077	<0.001
078	RG17-RC-078	<0.001
081	RG17-RC-081	<0.001
082	RG17-RC-082	<0.001
083	RG17-RC-083	<0.001
084	RG17-RC-084	<0.001
085	RG17-RC-085	0.004
087	RG17-RC-087	<0.001
088	RG17-RC-088	<0.001
093	RG17-G-001	<0.001
094	RG17-G-002	<0.001
095	RG17-G-003	<0.001
101	RG17-G-009	<0.001
102	RG17-G-010	<0.001
103	RG17-G-011	<0.001
105	RG17-G-013	<0.001
107	RG17-G-015	<0.001
109	RG17-G-017	<0.001
110	RG17-G-018	<0.001
111	RG17-G-019	<0.001
112	RG17-G-020	<0.001

RYAN BACHYNSKI - GIT

Employment History

Teniki Exploration – Sole Proprietor (July 2017-present)

- o Contracted to TerraX Minerals as an Exploration Geologist to perform mapping, channel logging, general prospecting, and map digitizing with ArcGIS
- o 3 gov't-funded prospecting programs in 2017 (1 Yukon, 2 NWT)
- o 66 claims in the Yukon with potential SEDEX and intrusion-related molybdenum mineralization

Aurora Geosciences – Junior Geologist (2016-2017)

- o Reverse circulation Drill Rig Geologist – Kennady Diamond's Kelvin Camp
  - o Surveying drill locations
  - o Sorting bulk sample bags by different kimberlite units and sub-units
  - o Overseeing operations for the drill site as a whole
- o Claim-staking Crew Chief – TerraX Mineral's Yellowknife Gold Property
  - o Use of QGIS and Esri ArcGIS to make claim maps
  - o Digitally mapped and physically staked 253km^2 of contiguous land while managing a crew of up to 7 people
  - o Coordination of helicopter transport and winter survival plans and gear
- o Magnetic Geophysical Survey – TerraX Mineral's Yellowknife Gold Property
  - o Coordinating transport to daily start locations (quad, boat, truck)

Saskatchewan Geological Survey – Senior Summer Field Assistant (2015)

- o Leader of a regional bedrock mapping crew
- o Undergrad research on VMS deposit: outcrop and regional-scale maps, structural interpretations, petrographic and geochemical analysis
- o Modelling and mapping with ArcGIS

Saskatchewan Geological Survey – Junior Summer Field Assistant (2014)

- o Focus on Au mineralization within quartz veins and Ni-Cu deposits
- o Regional and outcrop-scale mapping of metamorphic and structural elements

Awards & Professional Achievements

Best Poster Presentation: PDAC and WIUGC Conferences, 2016

Student-Industry Mineral Exploration Workshop (S-IMEW), 2016

- o "The two-week, all expenses-paid gathering gives students, hand-picked from post-secondary institutions across the country, an opportunity to experience the many facets of the mineral exploration industry"

Education

University of Regina (2011-2016)

- Geology major, physical geography minor
- Undergraduate thesis focusing on field, structural, and petrographic analyses of VMS systems in northern Saskatchewan

Related Skills

Experience with:

- competent with carpentry planning and organization
- organizing and implementing projects from start to finish
- managing crews of over 5 people
- multiple GIS platforms (QGIS, Esri ArcGIS, Google Earth Pro)
- ATVs, firearms, Zodiac boats, small motor repair, float plane and helicopter travel
- use of Leapfrog models for kimberlite geology

Licences, Certifications, and Memberships

- Civil and Commercial UAS Training Course
- PAL
- NORCAT Underground Safety
- Pleasure Craft Operators licence (PCOC)
- Open Water Scuba Diving Certification (PADI)
- NWT Prospecting licence
- WHIMIS training