

Memorandum Report 2017 Surface Work

Rosebute Property

Bute 1 to 10	YC87401 to YC87410
Bute 11 to 12	YC96443 to YC96544
Bute 13 to 22	YC87977 to YC87986
Bute 23	YC95496
Bute 24	YC95580
Bute 25 to 62	YC96359 to YC96396
Rose 1 to 24	YC87106 to YC87129
Rose 25 to 28	YC96397 to YC96400
Rose 29 to 36	YC96349 to YC96356
Rose 37 to 120	YD13038 to YD13121
Rose 121 to 351	YD43401 to YD43631
Rose 352	YC95483
Rose 353 to 412	YD43633 to YD43692
RS 1 to 48	YD15751 to YD15798
RS 51 to 72	YD92271 to YD92292
RS 73 to 114	YE26103 to YE26144
RS 115 to 208	YE74725 to YE74818
RS 209 to 222	YE74819 to YE74832

**Dawson Mining District, Yukon
NTS Sheet 115O05, O06, O11 & O12
139°30'W., 63°28'N.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Marty Huber, P. Geo.
December 2, 2017**

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Certificate of Qualifications

I, Mark Fekete, having my place of residence at 178 Dennison Boulevard in Val d'Or in the Province of Quebec do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from the University of British Columbia in 1986, I have been engaged as a Geologist continuously since 1986 and I am a Member in good standing of the Order of Geologists of Quebec (OGQ #553) and the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #31440), and I am a "qualified person" as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Rosebute property on numerous occasions including most recently in September 2013;
3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "Memorandum report, 2017 surface work, Rosebute Property, Dawson Mining District, Yukon, NTS Sheets 115O05, O06, O11 & O12, 139°30'W., 63°28'N.," based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources and my participation in the work programs described in the report;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I am an Officer and Director, and I beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Rosebute property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 2nd day of December 2017,

(s) "**Mark Fekete**"

Mark Fekete, P.Geo.

Certificate of Qualifications

I, Marty Huber, having my place of residence at 16 Flax Mill Dr. in Conestogo in the Province of Ontario do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I have been engaged as a Geologist continuously since 2011 and I am a Member in good standing with the Association of Professional Geoscientists of Nova Scotia (APGNS #232) and I am a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;;
2. I have visited the Rosebute property on numerous occasions including most recently in August 2017;
3. I co-wrote this technical report entitled “Memorandum report, 2017 surface work, Rosebute Property, Dawson Mining District, Yukon, NTS Sheets 115O05, O06, O11 & O12, 139°30’W., 63°28’N.,” under the supervision of Mark Fekete, P.Ge. based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources and my participation in the work programs described in the report;;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I do not beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Rosebute property as a result of any prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 2nd day of December 2017,

(s) “Marty Huber”

Marty Huber, P. Geo.

Introduction and Terms of Reference

Breakaway Exploration Management Inc. (“Breakaway”) was engaged by Taku Gold. Corp. (“Taku”) to manage and report on a soil geochemical survey completed on the Rosebute property (“Rosebute” or the “Property”) in 2017. The goal of the work was to better define the extents of the Hudbay and Furtrade gold zones identified in 2012 by soil geochemical sampling. Additionally, reconnaissance ridge and spur soil lines were planned on the unexplored western third of the Property in hopes of generating new targets. This memorandum report was prepared to complete statutory assessment work filings required under the Yukon Quartz Mining Act. It is not intended to and does not fully comply with National Instrument 43-101.

Location, Property Information and Access

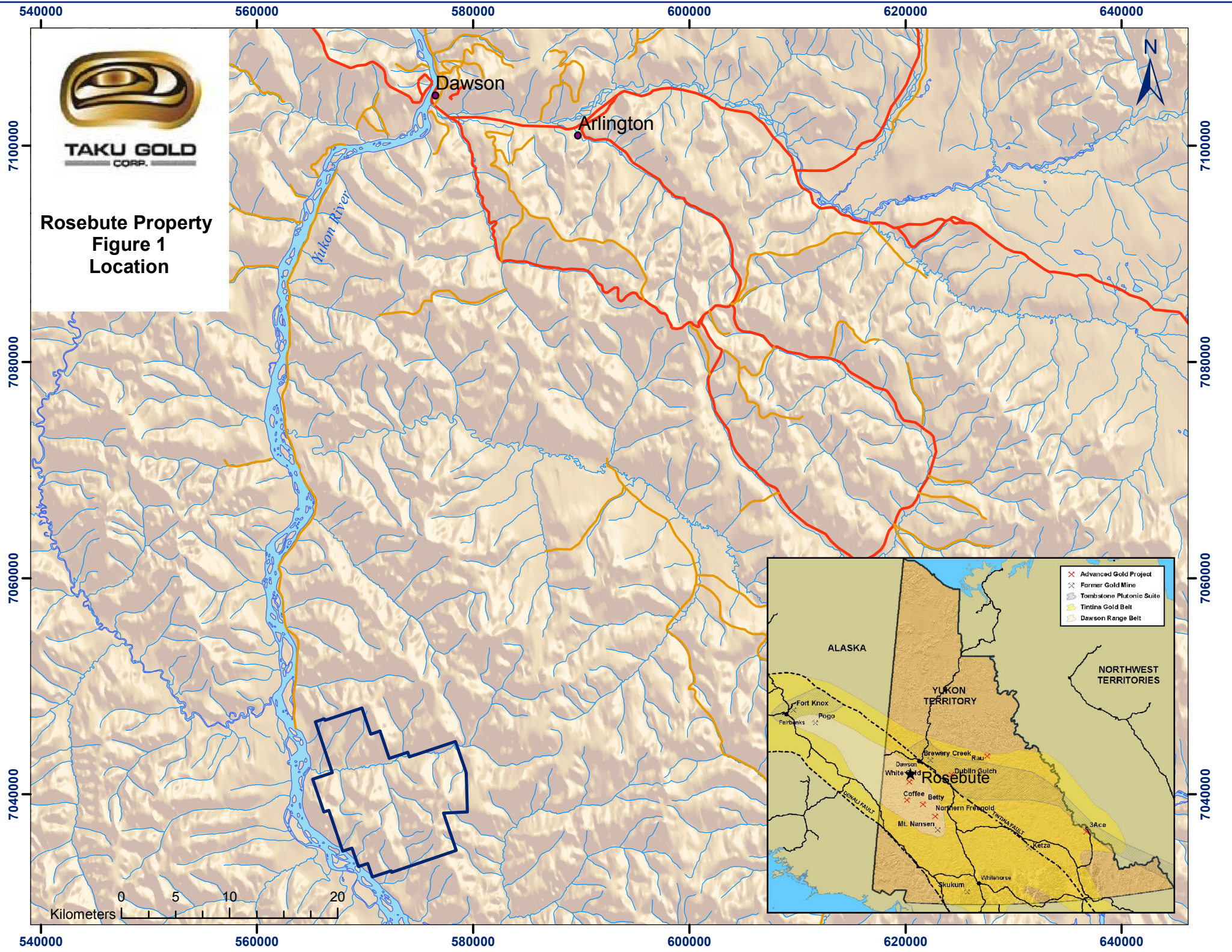
Rosebute is located approximately 65 kilometres due south of Dawson City in the Klondike gold camp of the Yukon at the headwaters of Rosebute Creek, a tributary of the Yukon River (Figure 1). The approximate centre of the Property is described by 63°28’ North Latitude and 139°30’ West Longitude on N.T.S. Sheets 115O05, 115O06, 115O11 and 115O12. The Property covers an approximate area of 14,080 hectares within the Dawson Mining Division and includes 694 un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

Table 1 - List of Claims

Claim Name No.	Tag No.	Expiry Date	#
Bute 1 to 10	YC87401 to YC87410	9-Mar-21	10
Bute 11 to 12	YC96443 to YC96544	9-Mar-21	2
Bute 13 to 22	YC87977 to YC87986	9-Mar-21	10
Bute 23	YC95496	9-Mar-21	1
Bute 24	YC95580	9-Mar-21	1
Bute 25 to 62	YC96359 to YC96396	9-Mar-21	38
Rose 1 to 24	YC87106 to YC87129	9-Mar-22	24
Rose 25 to 28	YC96397 to YC96400	9-Mar-22	4
Rose 29 to 36	YC96349 to YC96356	9-Mar-22	8
Rose 37 to 120	YD13038 to YD13121	9-Mar-22	84
Rose 121 to 351	YD43401 to YD43631	9-Mar-22	231
Rose 352	YC95483	9-Mar-22	1
Rose 353 to 412	YD43633 to YD43692	9-Mar-22	60
RS 1 to 48	YD15751 to YD15798	9-Mar-22	48
RS 51 to 72	YD92271 to YD92292	9-Mar-22	22
RS 73 to 114	YE26103 to YE26144	9-Mar-22	42
RS 115 to 208	YE74725 to YE74818	9-Mar-19	94
RS 209 to 222	YE74819 to YE74832	9-Mar-22	14
			694

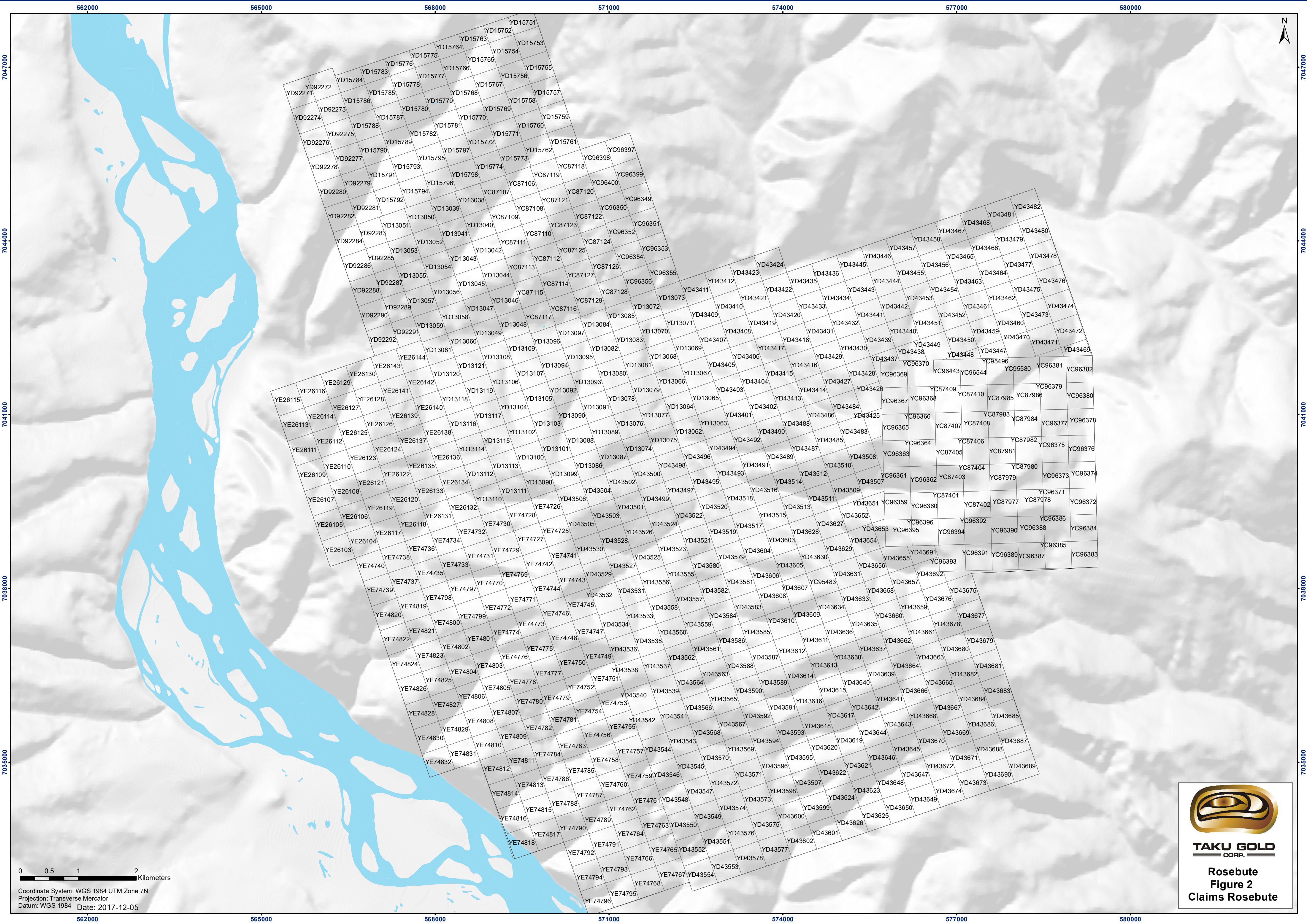
Taku holds the Property 100% subject to a two per cent (2%) Net Smelter Return (“NSR”) royalty payable to Shawn Ryan. Taku has the right to buy back the first one per cent (1%) of the NSR royalty for two million dollars (\$2,000,000). Advance royalty payments of \$25,000 are due annually up to a maximum of \$250,000 (\$75,000 paid).

The Property is located in an isolated part of Yukon with relatively few local resources or infrastructure. There is no road access to Rosebute. Access to the claims is by helicopter, which can be chartered year round from Dawson City. The property sits roughly five kilometres east of the Yukon River, allowing for equipment and supplies to be barged in reasonably close to the Property before being slung in by helicopter. The Property can be worked by from Dawson City or from an exploration camp set up on or near the Property. A camp can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are locally available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.



**Rosebute Property
Figure 1
Location**





TAKU GOLD
CORP.

**Rosebute
Figure 2
Claims Rosebute**

Previous Work

The following exploration history of the Property has been compiled from the Yukon Energy and Mines and Resources Library and Yukon Geological Survey MINFILE database. Prior to Taku, there has been limited exploration work on Rosebute. Table 2 below lists all known assessment reports that describe work done adjacent to and within the boundaries of the present Property in whole or in part.

Table 2 - Previous Assessment Work Files

Company	Year	AFR No.	Author	Work	Link
Kennecott Canada Exploration Inc.	2003	094441	Roger Hulstein	Soil Geochem	094441
Copper Ridge Explorations Inc.	2005	094511	J. Greg Dawson	Soil Geochem	094511

There is one mineral showings documented within the area of the Property listed in Table 3 below:

Table 3 - MINFILE Showings

MINFILE No.	MINEFILE Name	Link
1150 167	LJS	1150 167

In 2010, Taku carried out an airborne geophysical survey over the entire Property existing at that time and collected 5,087 soil samples over three grids (Fekete and Huber, 2011). The “Norwest” zone was identified by this sampling.

In 2011, Taku Gold collected 2,356 reconnaissance ridge and spur soil samples over most of the Property existing at that time; and an additional 457 soil samples were taken between the 2010 grid lines on the Norwest zone (Fekete and Huber, 2012).

In 2012, extensive exploration was undertaken on the property including detailed soil geochemical sampling, prospecting, drilling, trenching and an IP/Res geophysical survey (Fekete and Huber, 2013). A very strong gold-in-soil zone trending northwest over a length of at least 1000m was identified by an initial 1,358 soil samples collected in June 2012 by Breakaway at 50m stations on lines spaced 50m apart (the “Hudbay” zone). The detailed grid sampling also identified a second anomalous gold-in-soil zone approximately 750m southeast of the Hudbay zone. Although the “Furtrade” zone showed much narrower dimensions and lower gold values than Hudbay, it was nonetheless interesting.

In October 2012 Ground Truth Exploration Inc. (“Ground Truth”) collected 829 soil samples on lines spaced 100m apart with 25m sample intervals over the Hudbay and Southeast zones. The overall results from the Ground Truth survey were essentially identical to and showed no improvement over the results from the first round of soil sampling performed by Breakaway and effectively validated Breakaway’s sampling methods (Fekete and Huber, 2013).

Based all of the soil geochemical results, the Hudbay zone varies from 150 to 350m wide and shows a maximum gold-in-soil value of 916ppb Au or 0.9gpt Au. The southern end of the zone appears especially prospective with almost every sample showing strongly anomalous gold values greater than 60ppb Au over an area 500m long by 350m wide. The Southeast zone was found to trend northwest over a length of 650m, vary from 50 to 250m wide and returned maximum gold values up to 96ppb Au. Gold-in-soil values in the Hudbay and Southeast zones show excellent correlation with tungsten as well as other pathfinder elements such as silver and tellurium.

Prospecting was also undertaken in July 2012. Ninety samples of weathered bedrock returned up to 492ppb Au from the Hudbay zone and up to 207ppb Au from the Norwest Zone (Fekete and Huber, 2013). Overall however, prospecting was determined to be relatively unproductive due to the lack of outcrop and very weathered nature of the bedrock.

In July 2012, 963m of drilling was done in four holes to test the subsurface extent of the four gold-in-soil anomalies that collectively make up the Norwest zone (Fekete and Huber, 2013).. A total of 913 core

samples were collected and analyzed. The first hole intersected 0.95gpt Au over 23.4m from 22.6m. The second hole intersected 1.58gpt Au over 1.0m from 19.0m in an area where a strong arsenic-in-soil anomaly was identified in 2011. The fourth hole intersected 0.88gpt Au over 3.0m from 66.0m. The third hole was drilled to test a 900m long gold-in-soil trend with values up to 0.2gpt Au, but it did not intersect any notable gold-bearing intervals.

In August 2012, a total of 1,341m of trenching was done in nine trenches (Fekete and Huber, 2013). Seven trenches were completed to test the southern end of the Hudbay zone and two trenches were done to test for the surface extent of the gold-bearing zone intersected in drill hole RO12-01. No major mineralized zones, structures or trends are visible in the trenches. However, a total of 332 rock samples identified a number of parallel, north-trending gold zones in the Hudbay area. Highlights of the sampling include 6.17gpt Au over 5.0m from 35.0m in ROTH12-02 and 1.50gpt Au over 20.0m from 130.0m in ROTH12-04 (Fekete, 2013).

In September 2012, an IP/Res survey was done over the Hudbay area by Ground Truth. Three profiles were done for a total survey length of 647m. This survey was very experimental in nature and it returned ambiguous results (Fekete and Huber, 2013).

In September 2013 Ground Truth collected 141 rock samples on seven Geoprobe® lines covering an aggregate total of 680m. Highly anomalous results were obtained on all seven lines with maximum values up to 4.3gpt Au (Fekete and Huber, 2014)

In 2016 Independence Gold Corp. optioned the Property and completed prospecting and ground magnetic surveys followed by a 12-hole (923.5m) Rotary Air Blast (“RAB”) drilling campaign over the Hudbay Zone (Kienlen et.al., 2017). Intercepts from the 2016 drilling included 0.50gpt Au over 36.6m, 0.31gpt Au over 38.1m and 0.15gpt Au over 91.4m.

Geological Context and Deposit Model

The Property lies within the Yukon-Tanana Terrane (Figure 3) which, due to large areas with little or no bedrock exposure and limited modern regional or detailed mapping, remains very poorly understood. Generally it consists of several successions of layered sedimentary and volcanic rocks ranging from Late Proterozoic to Late Permian age that overlay the older Nisling Terrane. These complexly deformed layered rocks have been episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. The Yukon-Tanana has been subjected to numerous prolonged deformational events including subduction and accretion that has led to significant structural thickening. Imbricated allochthonous terranes such as Slide Mountain Terrane are evidenced by altered ultramafic fragments.

The most recent regional mapping and compilation work in the Stewart River area (Ryan and Gordey, 2004) indicates that the Property is dominated by Devonian to Mississippian metasiliciclastic rocks (DMps), which interfinger with, and are stratigraphically overlain by, intermediate to mafic amphibolite (DMA; Figure 4). The metasiliciclastic rocks include metamorphosed fine clastic rocks, quartzite and conglomerate. The above lithologies include marble horizons (DMc) and are metamorphosed to amphibolite grade. Devonian to Mississippian metasedimentary rocks (quartzite and metapelite) of the Nasina Assemblage (DMq) is structurally above and/or may partly be equivalent to the above metaclastic unit.

Abundant orthogneiss bodies of Devonian to Mississippian (DMog – undivided, DMogg, DMoga, DMogt, DMogta) and Permian ages (Pog – undivided, Pogg, Poga), with compositions ranging from granite (g) to K-spar augen bearing (a), to tonalite and diorite (t), occur within Yukon-Tanana Terrane. DMogta represents undivided DMogt and DMA. Narrow bodies of Paleozoic ultramafic rocks (mPum), commonly serpentinized (mPums) also occur within the area.

The above units are interpreted to represent two arcs, an older Devonian to Mississippian arc consisting of amphibolite (DMA) and associated subvolcanic intrusions (DMogg, DMoga, DMogt) built on siliciclastic

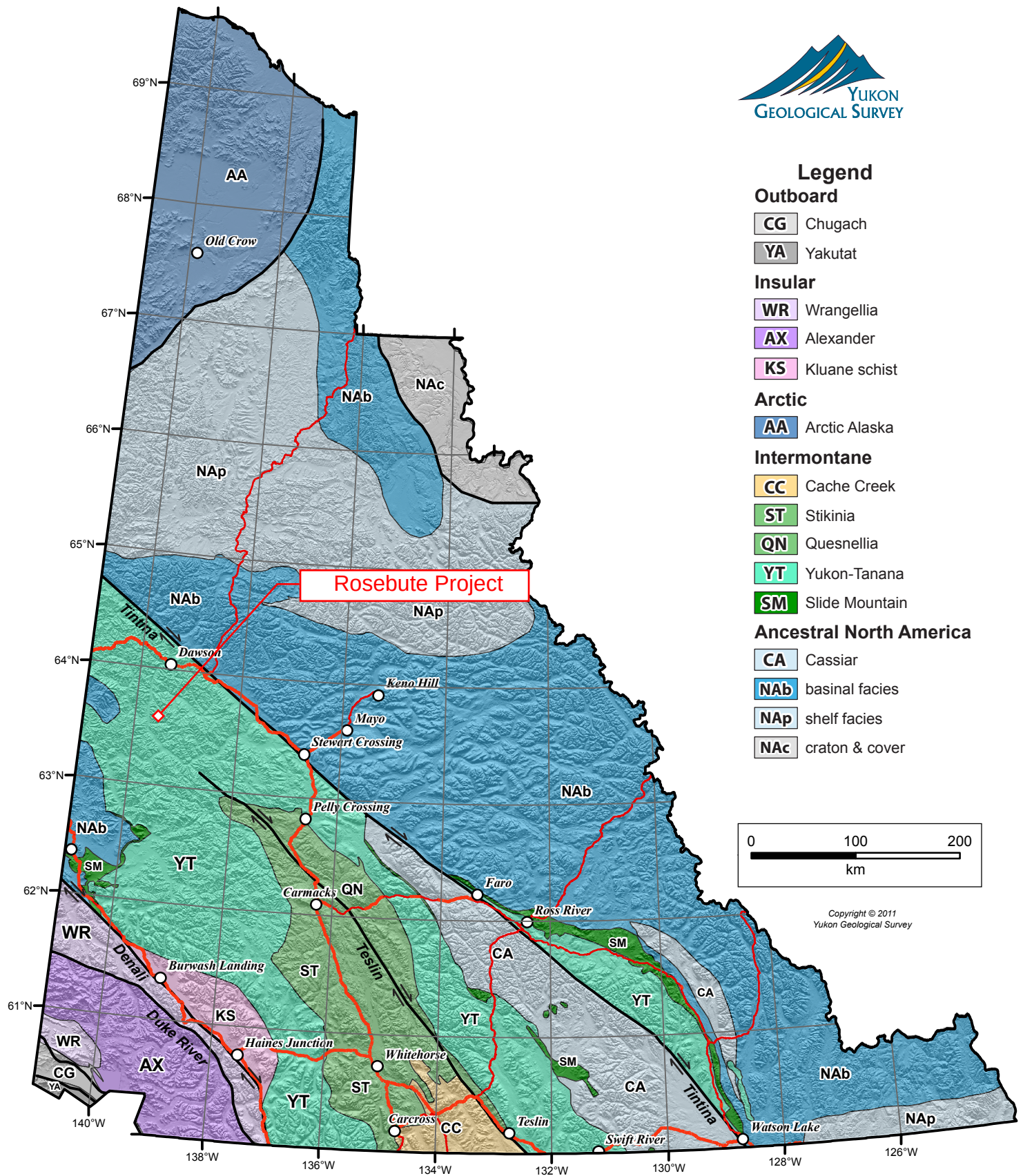
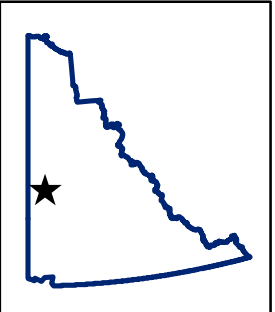
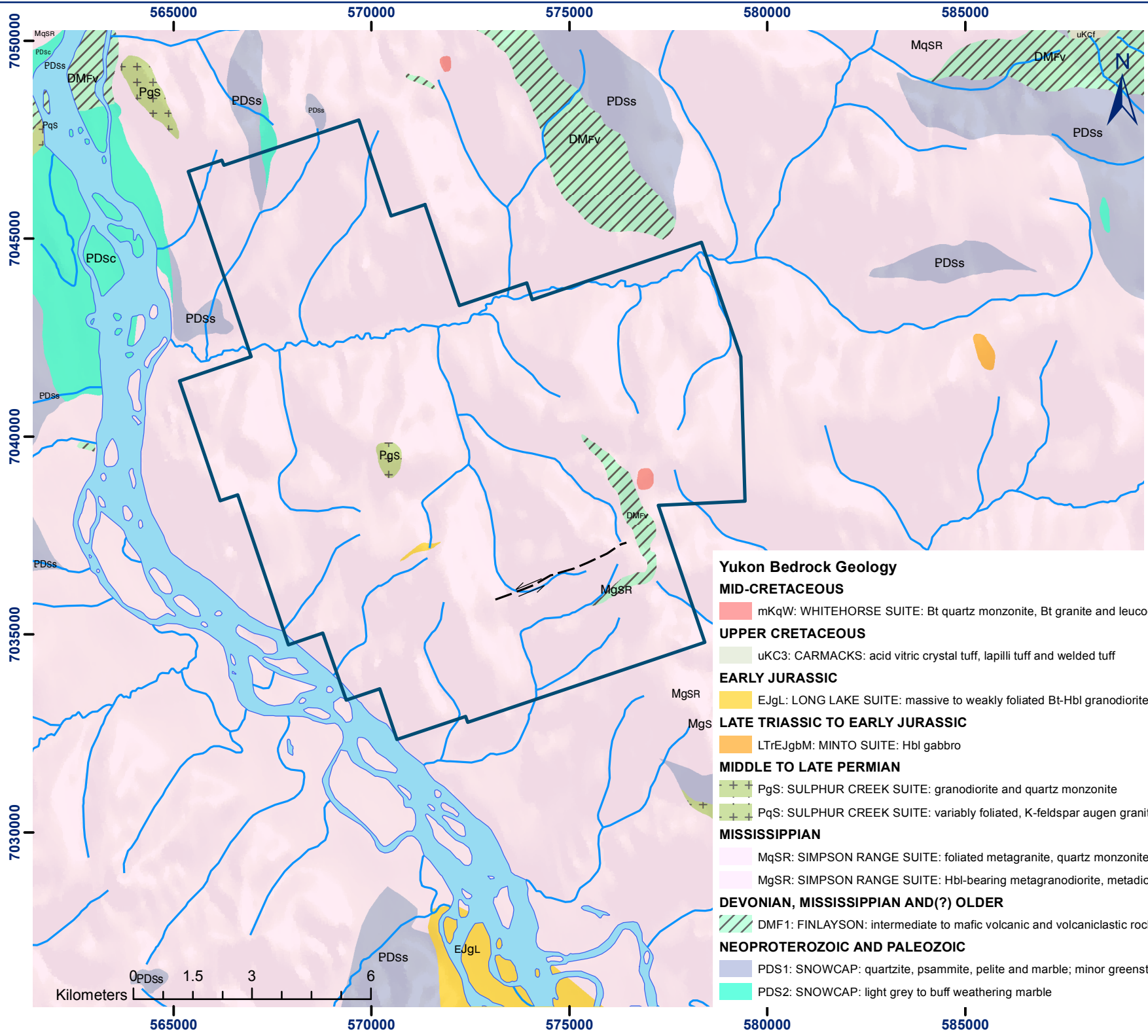


Figure 3 - Yukon Tectonic Map



**Rosebute Property
Figure 4
Geology**

Yukon Bedrock Geology

- MID-CRETACEOUS**
 - mKqW: WHITEHORSE SUITE: Bt quartz monzonite, Bt granite and leucogranite
- UPPER CRETACEOUS**
 - uKC3: CARMACKS: acid vitric crystal tuff, lapilli tuff and welded tuff
- EARLY JURASSIC**
 - EJgL: LONG LAKE SUITE: massive to weakly foliated Bt-Hbl granodiorite
- LATE TRIASSIC TO EARLY JURASSIC**
 - LTrEjgbM: MINTO SUITE: Hbl gabbro
- MIDDLE TO LATE PERMIAN**
 - PgS: SULPHUR CREEK SUITE: granodiorite and quartz monzonite
 - PqS: SULPHUR CREEK SUITE: variably foliated, K-feldspar augen granite, metaporphry
- MISSISSIPPIAN**
 - MqSR: SIMPSON RANGE SUITE: foliated metagranite, quartz monzonite and granodiorite; augen granite
 - MgSR: SIMPSON RANGE SUITE: Hbl-bearing metagranodiorite, metadiorite and metatonalite
- DEVONIAN, MISSISSIPPIAN AND(?) OLDER**
 - DMF1: FINLAYSON: intermediate to mafic volcanic and volcanoclastic rocks
- NEOPROTEROZOIC AND PALEOZOIC**
 - PDS1: SNOWCAP: quartzite, psammite, pelite and marble; minor greenstone and amphibolite
 - PDS2: SNOWCAP: light grey to buff weathering marble

basement (DMps, DMq, DMcg, DMNq) and a Permian arc of granitic orthogneiss (Pogg, Poga) and coeval metavolcanic rocks (PKs) built on the Devono-Mississippian arc.

The above lithology's are intruded by small plugs and stocks of Jurassic (eJgd) and Cretaceous (Kg) aged syenite, quartz monzonite and granodiorite, are unconformably overlain by massive andesite flows and breccias of the Late Cretaceous Carmacks Group (uKv), locally with Early Cretaceous coarse clastic sedimentary rocks at the base of the sequence (IKs). Eocene feldspar $\pm$ quartz porphyry dykes intrude the above (Er).

The Property lies within an underexplored part of the White Gold district within the loosely defined Tintina Gold Belt. This metallogical province has past production of 29.9 million ounces and 39.3 million ounces of resources for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The White Gold district is host to several advanced projects including the White Gold Corp.'s White Gold project, 20km south of the Property, and Comstock Metals Ltd.'s QV project, 10km southwest of the Property. The White Gold project hosts the Golden Saddle zone which has NI43-101 resources of 9.7Mt of 3.2gpt Au indicated and an additional 4.1Mt at 2.3gpt Au inferred, and the Arc zone with resources of 4.4Mt at 1.2gpt Au inferred (Weiershauser et. al., 2010). The QV project hosts the VG zone which has NI43-101 resources of 4.4Mt at 1.7gpt Au (Comstock news release, July 8, 2014).

The Klondike-White Gold district lies within the larger Dawson Range area where a number of known gold and porphyry copper deposits show a wide range of styles, geological settings and geochemical associations. Taku's exploration effort at Rosebute is not adhering to any firm deposit model but is instead based on practical survey methods that generate drill targets and have led to discoveries by other groups working in the area.

2017 Exploration

A soil geochemical survey as well as minor rock sampling was completed on Rosebute in 2017 from July 23 to August 6 by a six-man crew on foot with a helicopter set-outs from Dawson City located approximately 80km to the northwest. Final results from the analytical work were received on September 18, 2017. Professional Geologist Marty Huber the ("Junior Author") compiled the field data into digital maps and wrote this report up to December 2, 2017. A detailed "Statement of Work" is included herein as Appendix A. The work was planned under the supervision of Professional Geologist Mark Fekete (the "Senior Author") and managed on a day-to-day basis by the Junior Author.

Soil Geochemical

A total of 1,650 deep-auger-type soil samples were collected with hand augers at 50m sample intervals on pre-determined grid lines spaced 100m apart as well as on reconnaissance ridge and spur lines on the western third of the Property. Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS84 Zone 7N. Sample locations (Figure 5 and 6) and descriptions are included as Appendix B. Soil sample material consisted primarily of colluvium. Soil samples were placed in Kraft-type paper bags affixed with barcode stickers with appropriate sample numbers. Batches of samples were subsequently dried, sealed in rice bags and shipped to Bureau Veritas Commodities Canada Inc. ("BV") in Vancouver, B.C. for analysis. Samples were dried and sieved to -80 mesh size and analyzed for 36 elements by 15 gram Aqua Regia digestion, ICP-MS finish (Appendix C). BV is accredited under ISO 9001. Two samples (201068 and 202059) were not analyzed due to insufficient sample size.

The grid sampling on the property was designed to identify the extents of the Hudbay and Furtrade zones. This was accomplished by extending the soil grids around the two zones by up to 1km. Overall the work was successful in closing off the anomalies with favorable results adjacent to the Hudbay zone. Soil values ranged from below detection (i.e. < 0.5 ppb Au) to a maximum of 409ppb Au (sample 203879; Figure 7). The Hudbay zone was extended approximately 450m west (Figure 8) with several anomalous soil values (i.e. > 10 ppb Au). Sampling from the reconnaissance ridge and spur work did not generate any new targets.

Rock Sampling

A total of five rock samples were chipped from outcrop and previously excavated trenches during soil geochemical work. Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS84 Zone 7N. Sample locations (Figure 5) and descriptions are included as Appendix B. Rock samples were placed in heavy-duty plastic bags with the appropriate sample numbers affixed with bar coded stickers inside the bag as well as marked in indelible ink. Samples were then sealed in rice bags and shipped to BV in Vancouver for analysis. Samples were crushed, and 250g split and pulverized to -200 mesh, and analyzed for 36 elements by 15g Aqua Regia digestion, ICP-MS finish. Samples were also analyzed for gold by 30g Fire Assay AAS (Appendix C). No significant results were returned from the rock sampling.

Data Verification

It is the Authors' opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil, rock and core samples were diligently followed and are adequate to meet industry standards commonly accepted or this level of exploration. The authors have relied upon the adequacy and accuracy of the analytical results provided by BV. Independent verification of those results has not been undertaken. The Junior Author reconciled the field data with the analytical results and found no irregularities.

Interpretation and Conclusions

The work completed in 2017 successfully closed off the western side of the Hudbay zone and the southern portion of the Furtrade zone. On the western edge of Hudbay, the sampling outlined an additional 450m by 700m area. Many of the samples taken in this area were not the best quality due to permafrost. This may have had an adverse effect on the overall gold content of the samples. With this in mind, this area may be more prospective than the results indicate and should not be excluded from future exploration programs.

No new targets were established from the reconnaissance ridge and spur work. The three targets Hudbay, Furtrade and Norwest remain very prospective and further attention should be paid to understanding gold mineralization and possible structures within these zones with drilling.

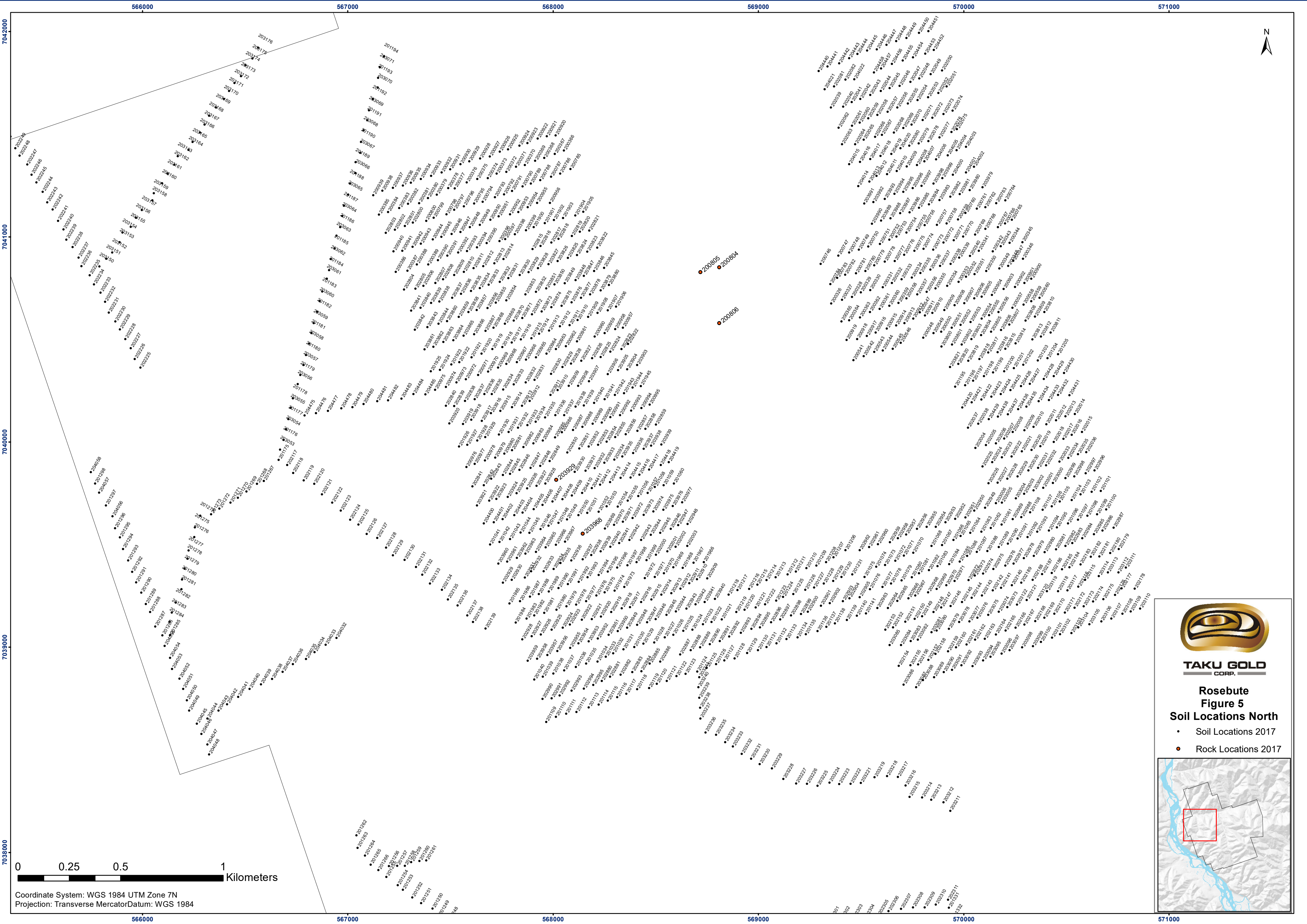
Recommendations

It is recommended that the Hudbay and Furtrade zones be tested for gold mineralization with 1,500 m (10 to 12 holes) of RC drilling with holes placed every 100 metres following the soil geochemical anomaly north to south with holes drilled west to east. Previous RAB drilling in this zone was completed south to north with only minor success, it is the Authors' opinion that gold bearing structures are trending in a north-south direction and should therefore be drilled east to west to better intersect any structures. This work will involve a driller, a drill helper, a geologist, and a technician over a 15-days period plus 5 days for mobilization and de-mobilization. Crews will travel from a camp set up on the Property. The geologist will spend additional days for setting up the drill program, logging, sampling, data entry, GIS work and report writing. The total estimated cost of the proposed work program is \$330,000 based on an all-inclusive estimate of \$220 per metre.

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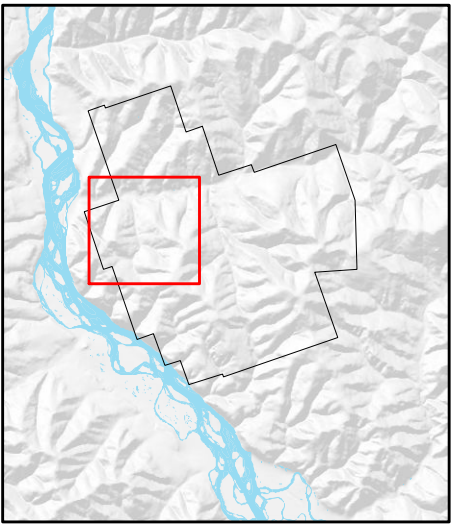
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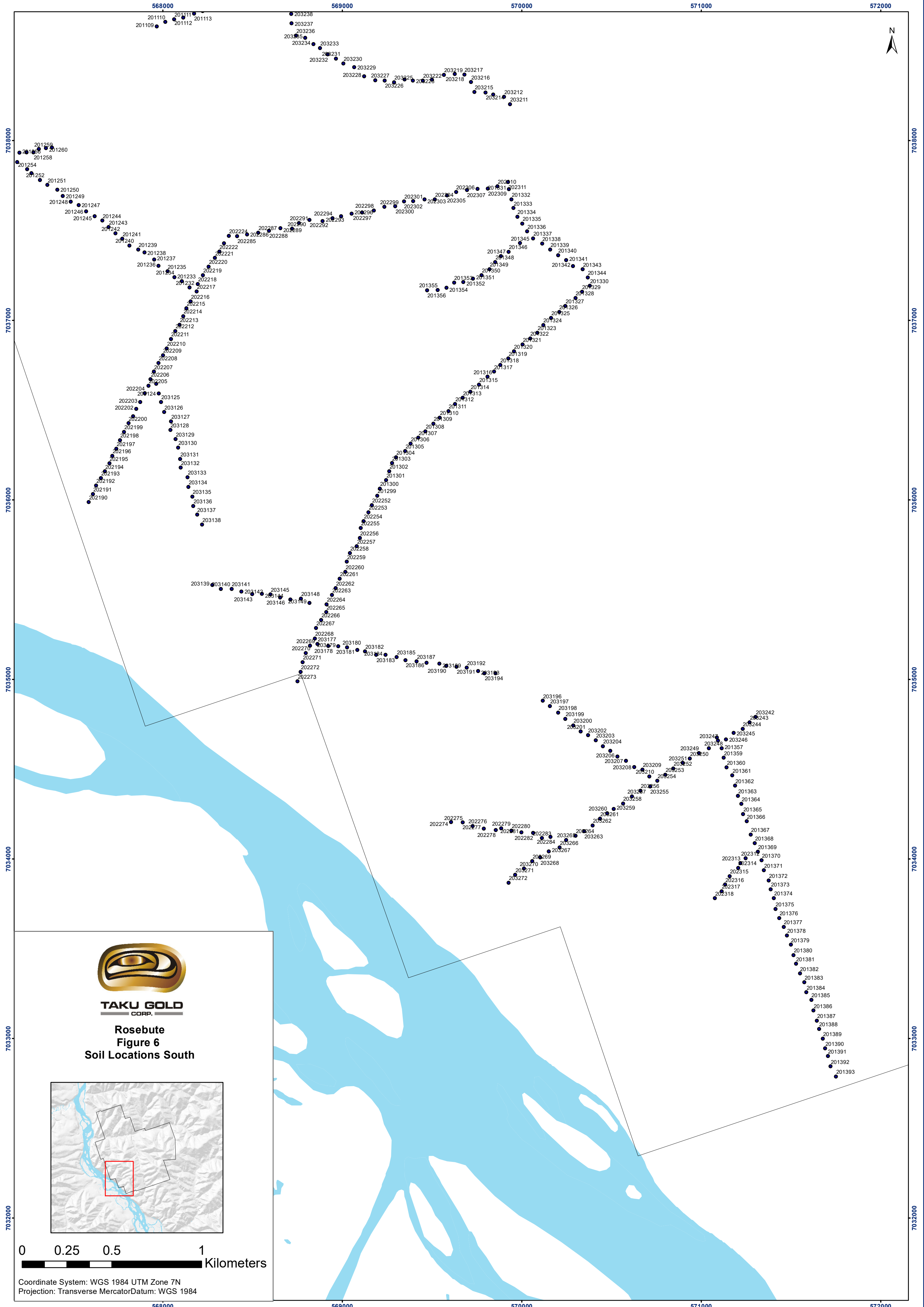
TAKU GOLD
CORP.

**Rosebute
Figure 5
Soil Locations North**

- Soil Locations 2017
- Rock Locations 2017

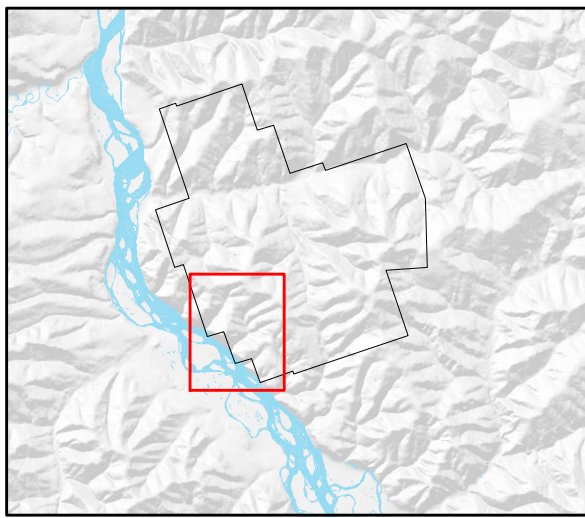


Coordinate System: WGS 1984 UTM Zone 7N
Projection: Transverse MercatorDatum: WGS 1984



TAKU GOLD
CORP.

**Rosebute
Figure 6
Soil Locations South**



0 0.25 0.5 1 Kilometers

Coordinate System: WGS 1984 UTM Zone 7N
Projection: Transverse Mercator Datum: WGS 1984

568000

570000

7042000

7040000

**TAKU GOLD**
CORP.

**Rosebute
Figure 7
Gold-in-Soil
Hudbay Compilation**

Gold-in-soil**Au ppb**

0 - 10

10 - 20

20 - 30

30 - 60

60 - 900

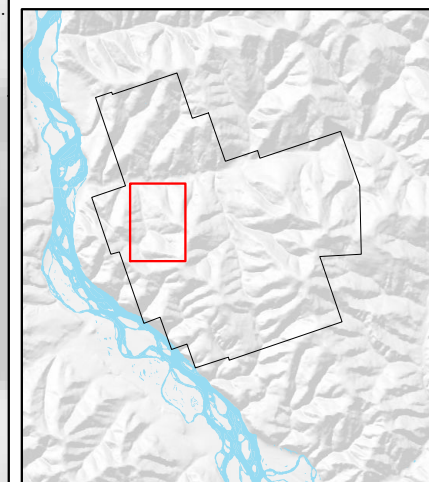


Pre 2017 results

0 0.25 0.5 1 Kilometers

568000

570000



Appendix A - Certificate of Work

APPLICATION FOR A CERTIFICATE OF WORK

I, _____ ,
(Agent for Taku Gold Corp.)

of _____

Phone _____

Client I.D. Number: _____

make oath and say that:

Office Date Stamp

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 List of Claims

situated at Rosebute Creek Claim sheet No. 115O05, O06, O11 & O12

in the Dawson Mining District, to the value of at least \$131,964.76 dollars,

since the 1st day of July 2017 ,

to represent the following mineral claims under the authority of Grouping Certificate No. HD03406 .
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See attached List of Claims

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).

July 14 to 22, 2017 - project planning, logistics, mob from Mayo and camp set up

July 23 to August 16, 2017 - soil sampling (1653 samples), camp tear down and demob to Whitehorse

November 22 to Decemebr 2, 2017, Report

Sworn before me at _____ this _____ day of _____ 20 18 .

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 Records 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

COW Claim List 2017 Rosebute

Type	Claim Information			Expiry Date	Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.				Years	Annual Fee	Total
Quartz	YE74725	RS	115	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74726	RS	116	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74727	RS	117	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74728	RS	118	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74729	RS	119	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74730	RS	120	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74731	RS	121	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74732	RS	122	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74733	RS	123	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74734	RS	124	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74735	RS	125	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74736	RS	126	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74737	RS	127	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74738	RS	128	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74739	RS	129	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74740	RS	130	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74741	RS	131	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74742	RS	132	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74743	RS	133	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74744	RS	134	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74745	RS	135	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74746	RS	136	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74747	RS	137	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74748	RS	138	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74749	RS	139	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74750	RS	140	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74751	RS	141	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74752	RS	142	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74753	RS	143	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74754	RS	144	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74755	RS	145	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74756	RS	146	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74757	RS	147	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74758	RS	148	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74759	RS	149	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74760	RS	150	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74761	RS	151	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74762	RS	152	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74763	RS	153	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74764	RS	154	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74765	RS	155	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74766	RS	156	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74767	RS	157	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74768	RS	158	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74769	RS	159	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74770	RS	160	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74771	RS	161	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74772	RS	162	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74773	RS	163	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74774	RS	164	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74775	RS	165	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74776	RS	166	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74777	RS	167	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74778	RS	168	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74779	RS	169	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74780	RS	170	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74781	RS	171	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74782	RS	172	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74783	RS	173	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74784	RS	174	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74785	RS	175	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74786	RS	176	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74787	RS	177	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74788	RS	178	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74789	RS	179	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74790	RS	180	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74791	RS	181	9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74792	RS	182	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74793	RS	183	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74794	RS	184	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74795	RS	185	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74796	RS	186	9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00

COW Claim List 2017 Rosebute

Type	Claim Information				Expiry Date	Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.					Years	Annual Fee	Total
Quartz	YE74797	RS	187		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74798	RS	188		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74799	RS	189		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74800	RS	190		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74801	RS	191		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74802	RS	192		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74803	RS	193		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74804	RS	194		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74805	RS	195		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74806	RS	196		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74807	RS	197		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74808	RS	198		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74809	RS	199		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74810	RS	200		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74811	RS	201		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74812	RS	202		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74813	RS	203		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74814	RS	204		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74815	RS	205		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74816	RS	206		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YE74817	RS	207		9-Mar-23	9-Mar-27	\$ 1,127.90	4	\$ 5.00	\$ 20.00
Quartz	YE74818	RS	208		9-Mar-23	9-Mar-27		4	\$ 5.00	\$ 20.00
Quartz	YC87401	Bute	1		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87402	Bute	2		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87403	Bute	3		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87404	Bute	4		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87405	Bute	5		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87406	Bute	6		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87407	Bute	7		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87408	Bute	8		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87409	Bute	9		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87410	Bute	10		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96443	Bute	11		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96544	Bute	12		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87977	Bute	13		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87978	Bute	14		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87979	Bute	15		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87980	Bute	16		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87981	Bute	17		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87982	Bute	18		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87983	Bute	19		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87984	Bute	20		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87985	Bute	21		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87986	Bute	22		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC95496	Bute	23		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC95580	Bute	24		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96359	Bute	25		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96360	Bute	26		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96361	Bute	27		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96362	Bute	28		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96363	Bute	29		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96364	Bute	30		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96365	Bute	31		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96366	Bute	32		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96367	Bute	33		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96368	Bute	34		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96369	Bute	35		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96370	Bute	36		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96371	Bute	37		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96372	Bute	38		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96373	Bute	39		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96374	Bute	40		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96375	Bute	41		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96376	Bute	42		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96377	Bute	43		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96378	Bute	44		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96379	Bute	45		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96380	Bute	46		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96381	Bute	47		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96382	Bute	48		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96383	Bute	49		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96384	Bute	50		9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00

COW Claim List 2017 Rosebute

Type	Claim Information				Extend to Date	Geochem	Years	Renewal	
	Grant No.	Claim Name	Claim No.	Expiry Date				Annual Fee	Total
Quartz	YC96385	Bute	51	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96386	Bute	52	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96387	Bute	53	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96388	Bute	54	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96389	Bute	55	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96390	Bute	56	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96391	Bute	57	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96392	Bute	58	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96393	Bute	59	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96394	Bute	60	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96395	Bute	61	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC96396	Bute	62	9-Mar-25	9-Mar-27		2	\$ 5.00	\$ 10.00
Quartz	YC87106	Rose	1	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87107	Rose	2	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87108	Rose	3	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87109	Rose	4	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87110	Rose	5	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87111	Rose	6	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87112	Rose	7	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87113	Rose	8	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87114	Rose	9	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87115	Rose	10	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87116	Rose	11	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87117	Rose	12	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87118	Rose	13	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87119	Rose	14	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87120	Rose	15	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87121	Rose	16	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87122	Rose	17	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87123	Rose	18	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87124	Rose	19	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87125	Rose	20	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87126	Rose	21	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87127	Rose	22	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87128	Rose	23	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC87129	Rose	24	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96397	Rose	25	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96398	Rose	26	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96399	Rose	27	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96400	Rose	28	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96349	Rose	29	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96350	Rose	30	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96351	Rose	31	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96352	Rose	32	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96353	Rose	33	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96354	Rose	34	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96355	Rose	35	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YC96356	Rose	36	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13038	Rose	37	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13039	Rose	38	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13040	Rose	39	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13041	Rose	40	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13042	Rose	41	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13043	Rose	42	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13044	Rose	43	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13045	Rose	44	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13046	Rose	45	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13047	Rose	46	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13048	Rose	47	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13049	Rose	48	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13050	Rose	49	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13051	Rose	50	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13052	Rose	51	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13053	Rose	52	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13054	Rose	53	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13055	Rose	54	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13056	Rose	55	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13057	Rose	56	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13058	Rose	57	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13059	Rose	58	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13060	Rose	59	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13061	Rose	60	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00

COW Claim List 2017 Rosebute

Type	Claim Information				Extend to Date	Geochem	Years	Renewal	
	Grant No.	Claim Name	Claim No.	Expiry Date				Annual Fee	Total
Quartz	YD13062	Rose	61	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13063	Rose	62	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13064	Rose	63	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13065	Rose	64	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13066	Rose	65	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13067	Rose	66	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13068	Rose	67	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13069	Rose	68	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13070	Rose	69	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13071	Rose	70	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13072	Rose	71	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13073	Rose	72	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13074	Rose	73	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13075	Rose	74	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13076	Rose	75	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13077	Rose	76	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13078	Rose	77	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13079	Rose	78	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13080	Rose	79	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13081	Rose	80	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13082	Rose	81	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13083	Rose	82	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13084	Rose	83	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13085	Rose	84	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13086	Rose	85	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13087	Rose	86	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13088	Rose	87	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13089	Rose	88	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13090	Rose	89	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13091	Rose	90	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13092	Rose	91	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13093	Rose	92	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13094	Rose	93	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13095	Rose	94	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13096	Rose	95	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13097	Rose	96	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13098	Rose	97	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13099	Rose	98	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13100	Rose	99	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13101	Rose	100	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13102	Rose	101	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13103	Rose	102	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13104	Rose	103	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13105	Rose	104	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13106	Rose	105	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13107	Rose	106	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13108	Rose	107	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13109	Rose	108	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13110	Rose	109	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13111	Rose	110	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13112	Rose	111	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13113	Rose	112	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13114	Rose	113	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13115	Rose	114	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13116	Rose	115	9-Mar-26	9-Mar-28	\$1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13117	Rose	116	9-Mar-26	9-Mar-28	\$1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD13118	Rose	117	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13119	Rose	118	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13120	Rose	119	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD13121	Rose	120	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43401	Rose	121	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43402	Rose	122	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43403	Rose	123	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43404	Rose	124	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43405	Rose	125	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43406	Rose	126	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43407	Rose	127	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43408	Rose	128	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43409	Rose	129	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43410	Rose	130	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43411	Rose	131	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43412	Rose	132	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00

COW Claim List 2017 Rosebute

Type	Claim Information			Expiry Date	Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.				Years	Annual Fee	Total
Quartz	YD43413	Rose	133	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43414	Rose	134	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43415	Rose	135	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43416	Rose	136	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43417	Rose	137	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43418	Rose	138	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43419	Rose	139	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43420	Rose	140	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43421	Rose	141	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43422	Rose	142	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43423	Rose	143	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43424	Rose	144	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43425	Rose	145	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43426	Rose	146	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43427	Rose	147	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43428	Rose	148	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43429	Rose	149	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43430	Rose	150	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43431	Rose	151	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43432	Rose	152	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43433	Rose	153	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43434	Rose	154	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43435	Rose	155	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43436	Rose	156	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43437	Rose	157	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43438	Rose	158	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43439	Rose	159	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43440	Rose	160	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43441	Rose	161	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43442	Rose	162	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43443	Rose	163	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43444	Rose	164	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43445	Rose	165	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43446	Rose	166	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43447	Rose	167	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43448	Rose	168	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43449	Rose	169	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43450	Rose	170	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43451	Rose	171	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43452	Rose	172	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43453	Rose	173	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43454	Rose	174	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43455	Rose	175	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43456	Rose	176	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43457	Rose	177	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43458	Rose	178	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43459	Rose	179	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43460	Rose	180	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43461	Rose	181	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43462	Rose	182	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43463	Rose	183	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43464	Rose	184	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43465	Rose	185	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43466	Rose	186	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43467	Rose	187	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43468	Rose	188	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43469	Rose	189	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43470	Rose	190	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43471	Rose	191	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43472	Rose	192	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43473	Rose	193	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43474	Rose	194	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43475	Rose	195	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43476	Rose	196	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43477	Rose	197	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43478	Rose	198	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43479	Rose	199	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43480	Rose	200	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43481	Rose	201	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43482	Rose	202	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43483	Rose	203	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43484	Rose	204	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	

COW Claim List 2017 Rosebute

Type	Claim Information				Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date			Years	Annual Fee	Total
Quartz	YD43485	Rose	205	9-Mar-26	9-Mar-28	\$ 1,127.90	2	\$ 5.00	\$ 10.00
Quartz	YD43486	Rose	206	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43487	Rose	207	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43488	Rose	208	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43489	Rose	209	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43490	Rose	210	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43491	Rose	211	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43492	Rose	212	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43493	Rose	213	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43494	Rose	214	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43495	Rose	215	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43496	Rose	216	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43497	Rose	217	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43498	Rose	218	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43499	Rose	219	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43500	Rose	220	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43501	Rose	221	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43502	Rose	222	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43503	Rose	223	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43504	Rose	224	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43505	Rose	225	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43506	Rose	226	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43507	Rose	227	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43508	Rose	228	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43509	Rose	229	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43510	Rose	230	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43511	Rose	231	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43512	Rose	232	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43513	Rose	233	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43514	Rose	234	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43515	Rose	235	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43516	Rose	236	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43517	Rose	237	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43518	Rose	238	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43519	Rose	239	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43520	Rose	240	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43521	Rose	241	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43522	Rose	242	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43523	Rose	243	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43524	Rose	244	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43525	Rose	245	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43526	Rose	246	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43527	Rose	247	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43528	Rose	248	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43529	Rose	249	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43530	Rose	250	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43531	Rose	251	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43532	Rose	252	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43533	Rose	253	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43534	Rose	254	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43535	Rose	255	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43536	Rose	256	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43537	Rose	257	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43538	Rose	258	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43539	Rose	259	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43540	Rose	260	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43541	Rose	261	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43542	Rose	262	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43543	Rose	263	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43544	Rose	264	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43545	Rose	265	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43546	Rose	266	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43547	Rose	267	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43548	Rose	268	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43549	Rose	269	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43550	Rose	270	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43551	Rose	271	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43552	Rose	272	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43553	Rose	273	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43554	Rose	274	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43555	Rose	275	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	
Quartz	YD43556	Rose	276	9-Mar-26	9-Mar-28	2	\$ 5.00	\$ 10.00	

COW Claim List 2017 Rosebute

Type	Claim Information			Expiry Date	Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.				Years	Annual Fee	Total
Quartz	YD43557	Rose	277	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43558	Rose	278	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43559	Rose	279	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43560	Rose	280	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43561	Rose	281	9-Mar-26	9-Mar-28		2	\$ 5.00	\$ 10.00
Quartz	YD43562	Rose	282	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43563	Rose	283	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43564	Rose	284	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43565	Rose	285	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43566	Rose	286	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43567	Rose	287	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43568	Rose	288	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43569	Rose	289	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43570	Rose	290	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43571	Rose	291	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43572	Rose	292	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43573	Rose	293	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43574	Rose	294	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43575	Rose	295	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43576	Rose	296	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43577	Rose	297	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43578	Rose	298	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43579	Rose	299	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43580	Rose	300	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43581	Rose	301	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43582	Rose	302	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43583	Rose	303	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43584	Rose	304	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43585	Rose	305	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43586	Rose	306	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43587	Rose	307	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43588	Rose	308	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43589	Rose	309	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43590	Rose	310	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43591	Rose	311	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43592	Rose	312	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43593	Rose	313	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43594	Rose	314	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43595	Rose	315	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43596	Rose	316	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43597	Rose	317	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43598	Rose	318	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43599	Rose	319	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43600	Rose	320	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43601	Rose	321	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43602	Rose	322	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43603	Rose	323	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43604	Rose	324	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43605	Rose	325	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43606	Rose	326	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43607	Rose	327	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43608	Rose	328	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43609	Rose	329	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43610	Rose	330	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43611	Rose	331	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43612	Rose	332	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43613	Rose	333	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43614	Rose	334	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43615	Rose	335	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43616	Rose	336	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43617	Rose	337	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43618	Rose	338	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43619	Rose	339	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43620	Rose	340	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43621	Rose	341	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43622	Rose	342	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43623	Rose	343	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43624	Rose	344	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43625	Rose	345	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43626	Rose	346	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43627	Rose	347	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	
Quartz	YD43628	Rose	348	9-Mar-26	9-Mar-27	1	\$ 5.00	\$ 5.00	

COW Claim List 2017 Rosebute

Type	Claim Information					Geochem	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date		Years	Annual Fee	Total
Quartz	YD43629	Rose	349	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43630	Rose	350	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43631	Rose	351	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YC95483	Rose	352	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43633	Rose	353	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43634	Rose	354	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43635	Rose	355	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43636	Rose	356	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43637	Rose	357	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43638	Rose	358	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43639	Rose	359	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43640	Rose	360	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43641	Rose	361	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43642	Rose	362	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43643	Rose	363	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43644	Rose	364	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43645	Rose	365	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43646	Rose	366	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43647	Rose	367	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43648	Rose	368	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43649	Rose	369	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43650	Rose	370	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43651	Rose	371	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43652	Rose	372	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43653	Rose	373	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43654	Rose	374	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43655	Rose	375	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43656	Rose	376	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43657	Rose	377	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43658	Rose	378	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43659	Rose	379	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43660	Rose	380	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43661	Rose	381	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43662	Rose	382	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43663	Rose	383	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43664	Rose	384	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43665	Rose	385	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43666	Rose	386	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43667	Rose	387	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43668	Rose	388	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43669	Rose	389	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43670	Rose	390	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43671	Rose	391	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43672	Rose	392	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43673	Rose	393	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43674	Rose	394	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43675	Rose	395	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43676	Rose	396	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43677	Rose	397	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43678	Rose	398	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43679	Rose	399	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43680	Rose	400	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43681	Rose	401	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43682	Rose	402	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43683	Rose	403	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43684	Rose	404	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43685	Rose	405	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43686	Rose	406	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43687	Rose	407	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43688	Rose	408	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43689	Rose	409	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43690	Rose	410	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43691	Rose	411	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD43692	Rose	412	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15751	RS	1	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15752	RS	2	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15753	RS	3	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15754	RS	4	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15755	RS	5	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15756	RS	6	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15757	RS	7	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15758	RS	8	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00

COW Claim List 2017 Rosebute

Type	Claim Information				Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date			Years	Annual Fee	Total
Quartz	YD15759	RS	9	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15760	RS	10	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15761	RS	11	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15762	RS	12	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15763	RS	13	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15764	RS	14	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15765	RS	15	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15766	RS	16	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15767	RS	17	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15768	RS	18	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15769	RS	19	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15770	RS	20	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15771	RS	21	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15772	RS	22	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15773	RS	23	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15774	RS	24	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15775	RS	25	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15776	RS	26	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15777	RS	27	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15778	RS	28	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15779	RS	29	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15780	RS	30	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15781	RS	31	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15782	RS	32	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15783	RS	33	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15784	RS	34	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15785	RS	35	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15786	RS	36	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15787	RS	37	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15788	RS	38	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15789	RS	39	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15790	RS	40	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15791	RS	41	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15792	RS	42	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15793	RS	43	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15794	RS	44	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15795	RS	45	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15796	RS	46	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15797	RS	47	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD15798	RS	48	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92271	RS	51	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92272	RS	52	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92273	RS	53	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92274	RS	54	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92275	RS	55	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92276	RS	56	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92277	RS	57	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92278	RS	58	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92279	RS	59	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92280	RS	60	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92281	RS	61	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92282	RS	62	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92283	RS	63	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92284	RS	64	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92285	RS	65	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92286	RS	66	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92287	RS	67	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92288	RS	68	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92289	RS	69	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92290	RS	70	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92291	RS	71	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YD92292	RS	72	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YE26103	RS	73	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26104	RS	74	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26105	RS	75	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26106	RS	76	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26107	RS	77	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26108	RS	78	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26109	RS	79	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26110	RS	80	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00
Quartz	YE26111	RS	81	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26112	RS	82	9-Mar-26	9-Mar-27		1	\$ 5.00	\$ 5.00

COW Claim List 2017 Rosebute

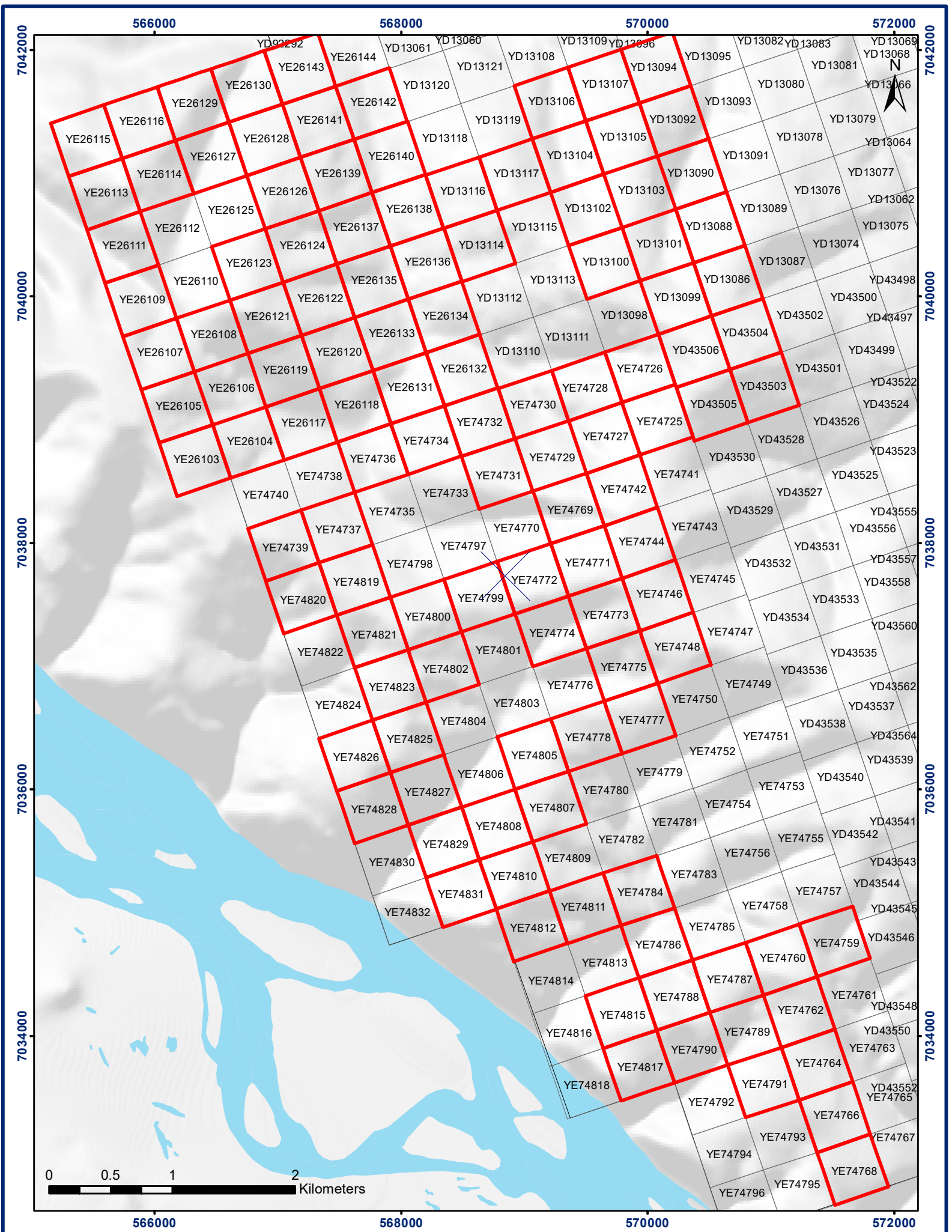
Type	Claim Information				Extend to Date	Geochem	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date			Years	Annual Fee	Total
Quartz	YE26113	RS	83	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26114	RS	84	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26115	RS	85	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26116	RS	86	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26117	RS	87	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26118	RS	88	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26119	RS	89	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26120	RS	90	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26121	RS	91	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26122	RS	92	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26123	RS	93	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26124	RS	94	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26125	RS	95	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26126	RS	96	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26127	RS	97	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26128	RS	98	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26129	RS	99	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26130	RS	100	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26131	RS	101	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26132	RS	102	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26133	RS	103	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26134	RS	104	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26135	RS	105	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26136	RS	106	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26137	RS	107	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26138	RS	108	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26139	RS	109	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26140	RS	110	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26141	RS	111	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26142	RS	112	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26143	RS	113	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE26144	RS	114	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74819	RS	209	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74820	RS	210	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74821	RS	211	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74822	RS	212	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74823	RS	213	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74824	RS	214	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74825	RS	215	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74826	RS	216	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74827	RS	217	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74828	RS	218	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74829	RS	219	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74830	RS	220	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74831	RS	221	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Quartz	YE74832	RS	222	9-Mar-26	9-Mar-27	\$ 1,127.90	1	\$ 5.00	\$ 5.00
Column Total						\$ 131,964.76	1319		\$ 6,595.00
Check Column less Expenses (Should be Zero)						\$0.00			
Number of Claims where work was done						117			
Expenses from Statement of Costs						\$131,964.76			
Work required for requested renewal						\$131,900.00			
Surplus (Deficit)						\$64.76			
Renewal Fees =						1319 years @ \$5.00			
						\$6,595.00			

Statement of Expenses 2017 Rosebute - Soil

Soil Geochem			Rate		Amount	
Breakaway Expl. Mgmt. Inc. No. 1188, 1199 & 1214						
5150	Wages and Contract					
	Geologist M.Huber (Field)	12	days @	\$600.00	\$7,200.00	
	Geologist M.Huber (Report)	3	days @	\$600.00	\$1,800.00	
	Geologist D.Wales (Field)	6	days @	\$375.00	\$2,250.00	
	Junior Techs (4)	57	days @	\$280.00	\$15,960.00	
						\$27,210.00
5151	F&L					
	Hotel, food etc. per diem	75	days @	\$150.00	\$11,250.00	
	Heli-Dynamics Pilot per diem	13	days @	\$150.00	\$1,950.00	
						\$13,200.00
5152	Supplies					
	Tags, bags, flagging etc.	1653	@	\$2.50	\$4,132.50	
						\$4,132.50
5153	Transport					
	Truck Rental	20	days @	\$200.00	\$4,000.00	
	Gas	1	invoice @	41.63	\$41.63	
	Gas	1	invoice @	50.86	\$50.86	
						\$4,092.49
5154	Rentals					
	VHF-FM radios	55	days @	\$5.00	\$275.00	
	Sat phone	13	days @	\$10.00	\$130.00	
	Ipaq GPS	55	days @	\$5.00	\$275.00	
	GIS Licence	22	days @	\$10.00	\$220.00	
						\$900.00
Heli-Dynmaics No. 14301, 14302, 14303, 14304, 14305, 14307, 14309, 14310, 14311, 14312, 14313						
	Helicopter	21	hours @	\$1,875.00	\$39,750.00	
	Fuel	4028	litres @	\$1.25	\$5,035.00	
						\$44,785.00
BV No. 278111, 278575, 278576, 278577, 279633, 279930, 279938, 278940						
5156	Assays					
	Soils	1653	samples @	\$22.77	\$37,644.77	
						\$37,644.77
					Total	\$131,964.76
Expenses outside Yukon - Not Eliglbe for Aseesemnt						
5157	BXM Expenses					\$6,951.18

Statement of Expenses 2017 Rosebute - Daily Log

Date	Name	M.Huber	D.Wales	C.Reeves	B.McCauley	K.Tompkins	O.Fekete
	Position	P.Geo.	Geologist	Jr. Tech	Jr. Tech	Jr. Tech	Jr. Tech
12-Jul-17	Planning/logistics	1					
13-Jul-17	Planning/logistics	1					
15-Jul-17	Planning/logistics	1					
22-Jul-17	Travel/Camp Set up	1		1	1	1	1
23-Jul-17	Soil Geochem	1		1	1	1	1
24-Jul-17	Soil Geochem			1	1	1	1
25-Jul-17	Soil Geochem	1	1	1	1	1	1
26-Jul-17	Soil Geochem			1	1	1	1
27-Jul-17	Soil Geochem	1	1	1	1	1	1
28-Jul-17	Soil Geochem			1	1	1	1
29-Jul-17	Soil Geochem	1	1	1	1	1	1
1-Aug-17	Soil Geochem			1	1	1	1
2-Aug-17	Soil Geochem			1	1	1	
3-Aug-17	Soil Geochem	1	1	1	1	1	
4-Aug-17	Soil Geochem			1	1	1	
5-Aug-17	Soil Geochem			1	1	1	
6-Aug-17	Soil Geochem		1		1	1	
14-Aug-17	Camp tear down/organize samples	1		1	1	1	
15-Aug-17	Drive to Whitehorse, deliver samples to BV lab, fly-out	1	1				
16-Aug-17	Fly out	1		1	1	1	1
22-Nov-17	Report	1					
23-Nov-17	Report	1					
27-Nov-17	Report	1					
2-Dec-17	Report (not charged)						
	Total Soil Geochem	15	6	15	16	16	10



Appendix B - Sample Locations and Descriptions

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201985	Soil	2017-07-27	KieranTompkins	511	567787	7039214	UTMZ7N_WGS84	Soil	Grey	Silt	SteepE	C	60	Moist	Good	ForestMixed
201986	Soil	2017-07-27	KieranTompkins	506	567840	7039224	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
201987	Soil	2017-07-27	KieranTompkins	499	567888	7039247	UTMZ7N_WGS84	Soil	Black	Silt	Drainage	B	50	Frozen	Good	ForestBlackSpruce
201988	Soil	2017-07-27	KieranTompkins	494	567930	7039260	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateSW	B	40	Frozen	Good	ForestBlackSpruce
201989	Soil	2017-07-27	KieranTompkins	479	567980	7039272	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	B	40	Frozen	Good	ForestBlackSpruce
201990	Soil	2017-07-27	KieranTompkins	479	568027	7039289	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	B	40	Frozen	Good	ForestBlackSpruce
201991	Soil	2017-07-27	KieranTompkins	500	568072	7039308	UTMZ7N_WGS84	Soil	Black	Silt	SteepW	B	50	Frozen	Good	ForestBlackSpruce
201992	Soil	2017-07-27	KieranTompkins	530	568126	7039319	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	B	60	Frozen	Good	ForestBlackSpruce
201993	Soil	2017-07-27	KieranTompkins	543	568168	7039341	UTMZ7N_WGS84	TalusFine	Black	Silt	SteepW	B	40	Frozen	Good	ForestBlackSpruce
201994	Soil	2017-07-27	KieranTompkins	563	568223	7039352	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Good	ForestBlackSpruce
201995	Soil	2017-07-27	KieranTompkins	574	568267	7039369	UTMZ7N_WGS84	Soil	Black	Silt	Ridge	B	40	Frozen	Good	ForestBlackSpruce
201996	Soil	2017-07-27	KieranTompkins	576	568313	7039388	UTMZ7N_WGS84	Soil	Black	Silt	ModerateNE	B	50	Frozen	Good	ForestBlackSpruce
201997	Soil	2017-07-27	KieranTompkins	577	568363	7039399	UTMZ7N_WGS84	Soil	Black	Silt	ModerateNE	B	40	Frozen	Good	ForestBlackSpruce
201998	Soil	2017-07-27	KieranTompkins	572	568406	7039415	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNE	C	40	Frozen	Good	ForestBlackSpruce
201999	Soil	2017-07-27	KieranTompkins	559	568456	7039424	UTMZ7N_WGS84	Lithosoil	Brown	Sand	ModerateNE	C	40	Moist	Good	ForestBlackSpruce
202000	Soil	2017-07-27	KieranTompkins	550	568501	7039452	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	50	Moist	Good	ForestBlackSpruce
202001	Soil	2017-07-27	KieranTompkins	539	568557	7039467	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Frozen	Good	ForestBlackSpruce
202002	Soil	2017-07-27	KieranTompkins		568598	7039490	UTMZ7N_WGS84	Soil	Black	Silt	ModerateNE	B	50	Frozen	Good	ForestBlackSpruce
202003	Soil	2017-07-27	KieranTompkins	519	568654	7039494	UTMZ7N_WGS84	Soil	Black	Silt	ModerateNE	C	50	Moist	Good	ForestBlackSpruce
202909	Soil	2017-07-27	BrendanMcCauley	560	568751	7039336	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepSW	C	40	Moist	Excellent	ForestMixed
202910	Soil	2017-07-27	BrendanMcCauley	568	568701	7039331	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	60	Moist	Excellent	ForestMixed
202911	Soil	2017-07-27	BrendanMcCauley	583	568665	7039312	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	50	Moist	Excellent	ForestMixed
201974	Soil	2017-07-27	KieranTompkins	599	568300	7039276	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	B	80	Moist	Good	ForestBlackSpruce
201975	Soil	2017-07-27	KieranTompkins		568251	7039268	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	C	50	Frozen	Good	ForestBlackSpruce
201976	Soil	2017-07-27	KieranTompkins	564	568212	7039252	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	B	70	Frozen	Good	ForestBlackSpruce
201977	Soil	2017-07-27	KieranTompkins	564	568161	7039225	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	B	60	Frozen	Good	ForestBlackSpruce
201978	Soil	2017-07-27	KieranTompkins	540	568113	7039208	UTMZ7N_WGS84	Soil	Black	Silt	SteepSW	B	65	Frozen	Good	ForestBlackSpruce
201979	Soil	2017-07-27	KieranTompkins	530	568066	7039200	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	B	70	Frozen	Good	ForestBlackSpruce
201980	Soil	2017-07-27	KieranTompkins	514	568017	7039183	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	B	45	Frozen	Good	ForestBlackSpruce
201981	Soil	2017-07-27	KieranTompkins	512	567957	7039168	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	B	50	Frozen	Good	ForestBlackSpruce
201982	Soil	2017-07-27	KieranTompkins	519	567908	7039156	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateS	C	60	Moist	Good	ForestMixed
201983	Soil	2017-07-27	KieranTompkins	514	567871	7039140	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateS	B	70	Frozen	Good	ForestMixed
201984	Soil	2017-07-27	KieranTompkins	512	567818	7039121	UTMZ7N_WGS84	Soil	Grey	Silt	ModerateS	C	60	Moist	Good	ForestBlackSpruce
202912	Soil	2017-07-27	BrendanMcCauley	600	568621	7039286	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	50	Moist	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202913	Soil	2017-07-27	BrendanMcCauley	616	568576	7039264	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	50	Moist	Excellent	ForestMixed
202914	Soil	2017-07-27	BrendanMcCauley	625	568528	7039257	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
202915	Soil	2017-07-27	BrendanMcCauley	628	568479	7039233	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	40	Dry	Excellent	ForestMixed
202916	Soil	2017-07-27	BrendanMcCauley	625	568430	7039220	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Poor	ForestMixed
200547	Soil	2017-08-01	CodyReeves		569787	7040632	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	30	Dry	Poor	ForestMixed
202917	Soil	2017-07-27	BrendanMcCauley	614	568375	7039196	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Good	ForestMixed
200326	Soil	2017-07-23	KieranTompkins	642	569355	7040675	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	50	Dry	Good	ForestMixed
200327	Soil	2017-07-23	KieranTompkins	641	569408	7040693	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	60	Dry	Good	ForestMixed
200328	Soil	2017-07-23	KieranTompkins	658	569457	7040707	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	50	Dry	Good	ForestMixed
200329	Soil	2017-07-23	KieranTompkins	666	569500	7040730	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
200330	Soil	2017-07-23	KieranTompkins	683	569545	7040741	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNW	C	40	Dry	Good	ForestMixed
200331	Soil	2017-07-23	KieranTompkins	687	569607	7040754	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	45	Dry	Good	ForestMixed
200332	Soil	2017-07-23	KieranTompkins	689	569650	7040775	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
200333	Soil	2017-07-23	KieranTompkins	701	569698	7040794	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Dry	Good	ForestMixed
200334	Soil	2017-07-23	KieranTompkins	702	569748	7040801	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	60	Dry	Good	ForestMixed
200335	Soil	2017-07-23	KieranTompkins	709	569790	7040823	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	60	Dry	Good	ForestBlackSpruce
200336	Soil	2017-07-23	KieranTompkins	712	569838	7040840	UTMZ7N_WGS84	Soil	BrownLight	Silt	Flat	C	40	Dry	Good	ForestBlackSpruce
200337	Soil	2017-07-23	KieranTompkins	708	569885	7040858	UTMZ7N_WGS84	TalusFine	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
200338	Soil	2017-07-23	KieranTompkins	696	569937	7040868	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	45	Dry	Good	ForestBlackSpruce
200339	Soil	2017-07-23	KieranTompkins	681	569979	7040899	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	50	Dry	Good	ForestMixed
200340	Soil	2017-07-23	KieranTompkins	664	570032	7040907	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	70	Dry	Excellent	ForestMixed
200341	Soil	2017-07-23	KieranTompkins	636	570075	7040933	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE		50	Dry	Good	ForestMixed
200342	Soil	2017-07-23	KieranTompkins	608	570142	7040930	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	35	Dry	Good	ForestMixed
200343	Soil	2017-07-23	KieranTompkins	583	570181	7040954	UTMZ7N_WGS84	Soil	Brown	Sand	SteepE	C	60	Dry	Excellent	ForestMixed
200344	Soil	2017-07-23	KieranTompkins	576	570224	7040971	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	65	Dry	Good	ForestMixed
200345	Soil	2017-07-23	KieranTompkins	555	570287	7040974	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	55	Moist	Good	ForestMixed
200346	Soil	2017-07-23	KieranTompkins	592	570290	7040894	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	50	Moist	Good	ForestBirch
200347	Soil	2017-07-23	KieranTompkins	602	570242	7040884	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	60	Moist	Good	ForestBirch
200348	Soil	2017-07-23	KieranTompkins	587	570217	7040859	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	70	Moist	Good	ForestMixed
200349	Soil	2017-07-23	KieranTompkins	589	570174	7040846	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200350	Soil	2017-07-23	KieranTompkins	625	570110	7040833	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	40	Dry	Good	ForestBirch
200351	Soil	2017-07-23	KieranTompkins	658	570053	7040819	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Poor	ForestBirch
200352	Soil	2017-07-23	KieranTompkins	670	570012	7040806	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Dry	Good	ForestMixed
200353	Soil	2017-07-23	KieranTompkins	679	569976	7040781	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	35	Dry	Good	ForestMixed

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200354	Soil	2017-07-23	KieranTompkins	697	569920	7040761	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
200355	Soil	2017-07-23	KieranTompkins	704	569864	7040749	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Dry	Excellent	ForestMixed
200356	Soil	2017-07-23	KieranTompkins	712	569820	7040732	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	40	Dry	Good	ForestMixed
200357	Soil	2017-07-23	KieranTompkins	711	569774	7040720	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	50	Dry	Good	BurnOld
200358	Soil	2017-07-23	KieranTompkins	708	569722	7040701	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Moist	Good	ForestBlackSpruce
200359	Soil	2017-07-23	KieranTompkins	708	569683	7040678	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestBlackSpruce
200360	Soil	2017-07-23	KieranTompkins	704	569639	7040665	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Good	ForestBlackSpruce
200361	Soil	2017-07-23	KieranTompkins	706	569591	7040650	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Dry	Good	ForestBlackSpruce
200362	Soil	2017-07-23	KieranTompkins	689	569544	7040634	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Good	ForestBlackSpruce
200363	Soil	2017-07-23	KieranTompkins	680	569496	7040607	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	60	Dry	Good	ForestMixed
200364	Soil	2017-07-23	KieranTompkins	671	569443	7040594	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
200365	Soil	2017-07-23	KieranTompkins	658	569405	7040588	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Poor	ForestMixed
200746	Soil	2017-07-23	BrendanMcCauley		569304	7040868	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	60	Moist	Good	ForestMixed
200747	Soil	2017-07-23	BrendanMcCauley	596	569390	7040909	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	55	Moist	Good	ForestMixed
200748	Soil	2017-07-23	BrendanMcCauley	610	569443	7040924	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Poor	ForestMixed
200749	Soil	2017-07-23	BrendanMcCauley	626	569490	7040938	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
200750	Soil	2017-07-23	BrendanMcCauley	637	569536	7040953	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Good	ForestMixed
200751	Soil	2017-07-23	BrendanMcCauley	647	569592	7040965	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Good	ForestMixed
200752	Soil	2017-07-23	BrendanMcCauley	658	569639	7040987	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Good	ForestMixed
200753	Soil	2017-07-23	BrendanMcCauley	662	569674	7041002	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Moist	Good	ForestMixed
200754	Soil	2017-07-23	BrendanMcCauley	671	569721	7041021	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Poor	ForestMixed
200755	Soil	2017-07-23	BrendanMcCauley	687	569771	7041033	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
200756	Soil	2017-07-23	BrendanMcCauley	711	569810	7041057	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	25	Dry	Poor	ForestMixed
200757	Soil	2017-07-23	BrendanMcCauley	696	569871	7041058	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
200758	Soil	2017-07-23	BrendanMcCauley	691	569917	7041065	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	30	Dry	Good	ForestMixed
200759	Soil	2017-07-23	BrendanMcCauley	673	569973	7041085	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200760	Soil	2017-07-23	BrendanMcCauley	652	570010	7041116	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	30	Dry	Good	ForestMixed
200761	Soil	2017-07-23	BrendanMcCauley	625	570065	7041138	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200762	Soil	2017-07-23	BrendanMcCauley	614	570107	7041144	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
200763	Soil	2017-07-23	BrendanMcCauley	597	570159	7041164	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	45	Dry	Good	ForestMixed
200764	Soil	2017-07-23	BrendanMcCauley	589	570203	7041179	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	35	Dry	Good	ForestMixed
200765	Soil	2017-07-23	BrendanMcCauley	556	570235	7041083	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200766	Soil	2017-07-23	BrendanMcCauley	589	570202	7041066	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	55	Dry	Good	ForestMixed
200767	Soil	2017-07-23	BrendanMcCauley	608	570167	7041048	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed

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200768	Soil	2017-07-23	BrendanMcCauley	630	570107	7041038	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200769	Soil	2017-07-23	BrendanMcCauley	655	570057	7041011	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200770	Soil	2017-07-23	BrendanMcCauley	675	569998	7041002	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	35	Dry	Good	ForestMixed
200771	Soil	2017-07-23	BrendanMcCauley	690	569952	7040984	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	350	Dry	Good	ForestMixed
200772	Soil	2017-07-23	BrendanMcCauley	716	569902	7040972	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200773	Soil	2017-07-23	BrendanMcCauley	714	569853	7040938	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200774	Soil	2017-07-23	BrendanMcCauley	699	569804	7040942	UTMZ7N_WGS84	Soil	Brown	Sand	SteepW	C	40	Dry	Good	ForestMixed
200775	Soil	2017-07-23	BrendanMcCauley	697	569761	7040932	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
200776	Soil	2017-07-23	BrendanMcCauley	686	569710	7040913	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	25	Dry	Good	ForestMixed
200777	Soil	2017-07-23	BrendanMcCauley	677	569665	7040882	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
200778	Soil	2017-07-23	BrendanMcCauley	666	569616	7040879	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	30	Dry	Good	ForestMixed
200779	Soil	2017-07-23	BrendanMcCauley	663	569565	7040862	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
200780	Soil	2017-07-23	BrendanMcCauley	657	569522	7040834	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
200781	Soil	2017-07-23	BrendanMcCauley	636	569476	7040822	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
200782	Soil	2017-07-23	BrendanMcCauley	623	569423	7040816	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Good	ForestMixed
200783	Soil	2017-07-23	BrendanMcCauley	605	569385	7040800	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	25	Dry	Good	ForestMixed
200784	Soil	2017-07-23	BrendanMcCauley	597	569350	7040770	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	65	Moist	Excellent	ForestMixed
200962	Soil	2017-07-25	CodyReeves	500	568063	7040467	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
200963	Soil	2017-07-25	CodyReeves	491	568014	7040453	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	50	Frozen	Good	ForestMixed
200964	Soil	2017-07-25	CodyReeves	476	567968	7040431	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	55	Frozen	Good	ForestMixed
200965	Soil	2017-07-25	CodyReeves	462	567916	7040414	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
200966	Soil	2017-07-25	CodyReeves	455	567868	7040401	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
200967	Soil	2017-07-25	CodyReeves	466	567824	7040389	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200968	Soil	2017-07-25	CodyReeves	489	567773	7040381	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	60	Dry	Excellent	ForestMixed
200969	Soil	2017-07-25	CodyReeves	518	567732	7040363	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200970	Soil	2017-07-25	CodyReeves	535	567683	7040344	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200971	Soil	2017-07-25	CodyReeves	550	567636	7040327	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200972	Soil	2017-07-25	CodyReeves	569	567575	7040306	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Good	ForestMixed
200973	Soil	2017-07-25	CodyReeves	587	567529	7040290	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200974	Soil	2017-07-25	CodyReeves	603	567479	7040269	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200975	Soil	2017-07-25	CodyReeves	618	567426	7040255	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200976	Soil	2017-07-25	CodyReeves	584	567579	7039879	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Drainage	C	40	Dry	Good	ForestMixed
200977	Soil	2017-07-25	CodyReeves	573	567618	7039893	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
203800	Soil	2017-07-23	OliverFekete	735	569892	7040465	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed

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203801	Soil	2017-07-23	OliverFekete	716	569944	7040475	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	20	Dry	Good	ForestPine
203802	Soil	2017-07-23	OliverFekete	690	569991	7040476	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	20	Dry	Good	ForestMixed
203803	Soil	2017-07-23	OliverFekete	672	570038	7040502	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestPine
203804	Soil	2017-07-23	OliverFekete	649	570085	7040521	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
203805	Soil	2017-07-23	OliverFekete	634	570134	7040538	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Drainage	C	40	Moist	Good	ForestMixed
203806	Soil	2017-07-23	OliverFekete	637	570182	7040546	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepW	C	60	Wet	Good	ForestPine
203807	Soil	2017-07-23	OliverFekete	660	570223	7040573	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepW	C	60	Moist	Excellent	ForestPine
203808	Soil	2017-07-23	OliverFekete	672	570302	7040592	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	60	Moist	Excellent	ForestPine
203809	Soil	2017-07-23	OliverFekete	671	570347	7040611	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	C	50	Moist	Excellent	ForestMixed
203810	Soil	2017-07-23	OliverFekete	703	570393	7040634	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateN	C	55	Moist	Excellent	ForestPine
203811	Soil	2017-07-23	OliverFekete	720	570424	7040534	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	45	Moist	Good	ForestPine
203812	Soil	2017-07-23	OliverFekete	711	570377	7040515	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestPine
203813	Soil	2017-07-23	OliverFekete	695	570336	7040501	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestPine
203814	Soil	2017-07-23	OliverFekete	673	570253	7040481	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	60	Moist	Good	ForestPine
203815	Soil	2017-07-23	OliverFekete	676	570203	7040455	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestPine
203816	Soil	2017-07-23	OliverFekete	671	570166	7040438	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestPine
203817	Soil	2017-07-23	OliverFekete	679	570120	7040437	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Drainage	C	50	Moist	Good	DrainageAlder
203818	Soil	2017-07-23	OliverFekete	671	570077	7040405	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	20	Moist	Good	ForestMixed
203819	Soil	2017-07-23	OliverFekete	686	570024	7040396	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	20	Dry	Good	ForestMixed
203820	Soil	2017-07-23	OliverFekete	712	569974	7040381	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	20	Dry	Good	ForestPine
203821	Soil	2017-07-23	OliverFekete	723	569934	7040365	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	20	Dry	Good	ForestMixed
200541	Soil	2017-07-23	Cody Reeves	732	569463	7040398	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Excellent	ForestBlackSpruce
200542	Soil	2017-07-23	Cody Reeves	738	569514	7040418	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestBlackSpruce
200543	Soil	2017-07-23	Cody Reeves	740	569565	7040439	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestBlackSpruce
200544	Soil	2017-07-23	Cody Reeves	747	569606	7040447	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestBlackSpruce
200545	Soil	2017-07-23	Cody Reeves	753	569655	7040454	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Moist	Good	ForestBlackSpruce
200546	Soil	2017-07-23	Cody Reeves	750	569694	7040484	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	RidgeAlpine	C	35	Dry	Good	ForestBlackSpruce
200548	Soil	2017-07-23	Cody Reeves	742	569804	7040509	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	RidgeAlpine	C	55	Dry	Excellent	ForestBlackSpruce
200549	Soil	2017-07-23	Cody Reeves	731	569853	7040531	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	ForestBlackSpruce
200550	Soil	2017-07-23	Cody Reeves	719	569892	7040538	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	30	Dry	Poor	ForestBlackSpruce
200551	Soil	2017-07-23	Cody Reeves	706	569942	7040557	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200552	Soil	2017-07-23	Cody Reeves	691	569986	7040571	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	ForestMixed
200553	Soil	2017-07-23	Cody Reeves	655	570034	7040585	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200554	Soil	2017-07-23	Cody Reeves	660	570089	7040602	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	55	Moist	Excellent	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
200555	Soil	2017-07-23	Cody Reeves	639	570124	7040618	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	40	Moist	Good	ForestMixed
200556	Soil	2017-07-23	Cody Reeves	619	570170	7040633	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
200557	Soil	2017-07-23	Cody Reeves	647	570239	7040655	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepW	C	65	Moist	Excellent	ForestMixed
200558	Soil	2017-07-23	Cody Reeves	667	570293	7040670	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateW	C	50	Moist	Good	ForestMixed
200559	Soil	2017-07-23	Cody Reeves	670	570329	7040686	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
200560	Soil	2017-07-23	Cody Reeves	680	570370	7040703	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	55	Moist	Excellent	ForestMixed
200900	Soil	2017-07-23	Cody Reeves	639	570329	7040796	UTMZ7N_WGS84	Lithosoil	Brown	Silt	SteepNW	C	65	Moist	Excellent	ForestMixed
200912	Soil	2017-07-23	Cody Reeves	716	569755	7040602	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200913	Soil	2017-07-23	Cody Reeves	715	569713	7040580	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200914	Soil	2017-07-23	Cody Reeves	715	569672	7040569	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	30	Dry	Poor	ForestMixed
200915	Soil	2017-07-23	Cody Reeves	717	569625	7040553	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200916	Soil	2017-07-23	Cody Reeves	713	569572	7040534	UTMZ7N_WGS84	Soil	BrownLight	Sand	RidgeAlpine	C	25	Dry	Poor	ForestMixed
200917	Soil	2017-07-23	Cody Reeves	705	569529	7040517	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Dry	Good	ForestMixed
200918	Soil	2017-07-23	Cody Reeves	702	569482	7040502	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	55	Moist	Excellent	ForestMixed
200919	Soil	2017-07-23	Cody Reeves	706	569430	7040498	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	56	Moist	Excellent	ForestMixed
200366	Soil	2017-07-24	KieranTompkins	504	568054	7041421	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateNW	C	60	Moist	Good	ForestBlackSpruce
200367	Soil	2017-07-24	KieranTompkins	502	568008	7041404	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	60	Moist	Good	ForestBlackSpruce
200368	Soil	2017-07-24	KieranTompkins	485	567958	7041385	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNW	C	65	Moist	Good	ForestBlackSpruce
203855	Soil	2017-07-25	MartyHuber	453	567721	7040680	UTMZ7N_WGS84	Glacial	Brown	Gravel	ModerateE	B	35	Dry	Poor	ForestMixed
203856	Soil	2017-07-25	MartyHuber	462	567681	7040654	UTMZ7N_WGS84	Glacial	Brown	Gravel	ModerateE	B	20	Dry	Poor	ForestMixed
203857	Soil	2017-07-25	MartyHuber	476	567629	7040643	UTMZ7N_WGS84	Glacial	Brown	Gravel	ModerateE	B	40	Dry	Good	ForestMixed
203858	Soil	2017-07-25	MartyHuber	517	567588	7040633	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	B	30	Dry	Poor	ForestMixed
203859	Soil	2017-07-25	MartyHuber	527	567540	7040610	UTMZ7N_WGS84	Glacial	Brown	Silt	SteepS	B	30	Dry	Poor	ForestMixed
203860	Soil	2017-07-25	MartyHuber	532	567484	7040590	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	B	40	Dry	Good	ForestMixed
203861	Soil	2017-07-25	MartyHuber	579	567374	7040452	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	25	Frozen	Poor	ForestMixed
203862	Soil	2017-07-25	MartyHuber	574	567418	7040465	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
203863	Soil	2017-07-25	MartyHuber	553	567466	7040488	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
203864	Soil	2017-07-25	MartyHuber	548	567514	7040496	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
203865	Soil	2017-07-25	MartyHuber	536	567565	7040518	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
203866	Soil	2017-07-25	MartyHuber	515	567616	7040525	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
203867	Soil	2017-07-25	MartyHuber	497	567671	7040542	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	75	Dry	Excellent	ForestMixed
203868	Soil	2017-07-25	MartyHuber	494	567711	7040558	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	70	Dry	Excellent	ForestMixed
203869	Soil	2017-07-25	MartyHuber	473	567765	7040576	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
203870	Soil	2017-07-25	MartyHuber	441	567808	7040591	UTMZ7N_WGS84	Glacial	Brown	Gravel	Drainage	B	25	Frozen	Poor	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203871	Soil	2017-07-25	MartyHuber	437	567850	7040605	UTMZ7N_WGS84	Soil	Brown	Silt	Drainage	B	55	Frozen	Poor	ForestMixed
203872	Soil	2017-07-25	MartyHuber	449	567898	7040622	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	55	Moist	Good	ForestMixed
203873	Soil	2017-07-25	MartyHuber	466	567945	7040636	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	60	Moist	Poor	ForestMixed
203874	Soil	2017-07-25	MartyHuber	485	567991	7040658	UTMZ7N_WGS84	Soil	Brown	Gravel	ModerateE	B	60	Moist	Poor	ForestMixed
203875	Soil	2017-07-25	MartyHuber	493	568041	7040664	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	75	Moist	Poor	ForestMixed
203876	Soil	2017-07-25	MartyHuber	518	568090	7040682	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	70	Moist	Good	ForestMixed
200901	Soil	2017-07-23	Cody Reeves	620	570297	7040776	UTMZ7N_WGS84	Lithosoil	Brown	Silt	SteepNW	C	55	Moist	Excellent	ForestMixed
200902	Soil	2017-07-23	Cody Reeves	617	570251	7040756	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	50	Dry	Good	ForestMixed
200903	Soil	2017-07-23	Cody Reeves	639	570195	7040746	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	85	Moist	Good	ForestMixed
200904	Soil	2017-07-23	Cody Reeves	622	570138	7040718	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Good	ForestMixed
200905	Soil	2017-07-23	Cody Reeves	628	570088	7040709	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200906	Soil	2017-07-23	Cody Reeves	659	570052	7040701	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Dry	Good	ForestMixed
200907	Soil	2017-07-23	Cody Reeves	667	570003	7040677	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Dry	Good	ForestMixed
200908	Soil	2017-07-23	Cody Reeves	686	569956	7040667	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Dry	Good	ForestMixed
200909	Soil	2017-07-23	Cody Reeves	701	569906	7040643	UTMZ7N_WGS84	Soil	BrownLight	Silt	RidgeAlpine		45	Dry	Good	ForestMixed
200910	Soil	2017-07-23	Cody Reeves	709	569849	7040629	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	35	Dry	Good	ForestMixed
200911	Soil	2017-07-23	Cody Reeves	722	569811	7040617	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	30	Dry	Poor	ForestMixed
200369	Soil	2017-07-24	KieranTompkins	474	567912	7041370	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	C	50	Moist	Good	ForestBlackSpruce
200370	Soil	2017-07-24	KieranTompkins	446	567863	7041351	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNW	C	60	Moist	Good	ForestBlackSpruce
200371	Soil	2017-07-24	KieranTompkins	412	567820	7041341	UTMZ7N_WGS84	Soil	Black	Silt	ModerateNW	C	60	Frozen	Good	ForestBlackSpruce
200372	Soil	2017-07-24	KieranTompkins	412	567773	7041316	UTMZ7N_WGS84	Soil	Black	Silt	ModerateE	C	50	Moist	Good	ForestBlackSpruce
200373	Soil	2017-07-24	KieranTompkins	419	567726	7041309	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	C	440	Moist	Good	ForestBlackSpruce
200374	Soil	2017-07-24	KieranTompkins	439	567683	7041286	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	C	50	Moist	Good	ForestBlackSpruce
200375	Soil	2017-07-24	KieranTompkins	469	567631	7041282	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	45	Dry	Good	ForestBlackSpruce
200376	Soil	2017-07-24	KieranTompkins	484	567580	7041265	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	50	Dry	Good	ForestBlackSpruce
200377	Soil	2017-07-24	KieranTompkins	511	567521	7041237	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	50	Dry	Good	ForestBlackSpruce
200378	Soil	2017-07-24	KieranTompkins	522	567489	7041237	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	C	50	Dry	Good	ForestMixed
200379	Soil	2017-07-24	KieranTompkins	536	567434	7041206	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Dry	Good	ForestMixed
203849	Soil	2017-07-25	OliverFekete	517	568057	7040775	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
203850	Soil	2017-07-25	OliverFekete	500	568007	7040768	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
203851	Soil	2017-07-25	OliverFekete	489	567967	7040749	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
203852	Soil	2017-07-25	OliverFekete	459	567916	7040732	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	50	Moist	Poor	ForestMixed
203853	Soil	2017-07-25	OliverFekete	434	567866	7040720	UTMZ7N_WGS84	Glacial	BrownDark	Silt	ModerateW	C	30	Frozen	Poor	ForestMixed
203854	Soil	2017-07-25	OliverFekete	437	567773	7040691	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Moist	Good	ForestMixed

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203877	Soil	2017-07-25	OliverFekete	522	568137	7040703	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	60	Moist	Poor	ForestMixed
203878	Soil	2017-07-25	OliverFekete	538	568181	7040719	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	50	Moist	Poor	ForestMixed
203879	Soil	2017-07-25	OliverFekete	544	568232	7040739	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	75	Moist	Poor	ForestMixed
203880	Soil	2017-07-25	OliverFekete	555	568273	7040765	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
200380	Soil	2017-07-24	KieranTompkins	544	567391	7041190	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Dry	Good	ForestMixed
200381	Soil	2017-07-24	KieranTompkins	547	567348	7041165	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
200382	Soil	2017-07-24	KieranTompkins	554	567294	7041161	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
200383	Soil	2017-07-24	KieranTompkins	563	567250	7041140	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Moist	Good	ForestMixed
200384	Soil	2017-07-24	KieranTompkins	573	567197	7041121	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Dry	Good	ForestMixed
200385	Soil	2017-07-24	KieranTompkins	586	567152	7041109	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
200386	Soil	2017-07-24	KieranTompkins	605	567234	7040829	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Dry	Good	ForestMixed
200387	Soil	2017-07-24	KieranTompkins	598	567291	7040835	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	45	Dry	Good	ForestMixed
200388	Soil	2017-07-24	KieranTompkins	588	567336	7040866	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed
200389	Soil	2017-07-24	KieranTompkins	581	567392	7040866	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
200390	Soil	2017-07-24	KieranTompkins	565	567440	7040887	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	60	Dry	Good	ForestMixed
200391	Soil	2017-07-24	KieranTompkins	549	567485	7040908	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	55	Dry	Good	ForestMixed
200392	Soil	2017-07-24	KieranTompkins	532	567538	7040924	UTMZ7N_WGS84	Soil	BrownLight		ModerateE	C	50	Dry	Good	ForestMixed
200393	Soil	2017-07-24	KieranTompkins	518	567581	7040931	UTMZ7N_WGS84	Soil	Black	Silt	ModerateE	C	35	Frozen	Good	ForestMixed
200394	Soil	2017-07-24	KieranTompkins	500	567630	7040949	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
200395	Soil	2017-07-24	KieranTompkins	483	567677	7040970	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	45	Dry	Poor	ForestMixed
200396	Soil	2017-07-24	KieranTompkins	459	567740	7040979	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	30	Dry	Poor	ForestMixed
200397	Soil	2017-07-24	KieranTompkins	448	567767	7040990	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	30	Dry	Good	ForestMixed
200398	Soil	2017-07-24	KieranTompkins	427	567815	7041013	UTMZ7N_WGS84	Soil	Black	Silt	ModerateE	C	40	Frozen	Good	ForestMixed
200399	Soil	2017-07-24	KieranTompkins	423	567869	7041032	UTMZ7N_WGS84	Soil	Black	Silt	ModerateE	B	30	Frozen	Good	ForestMixed
201900	Soil	2017-07-24	KieranTompkins	437	567906	7041047	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	60	Moist	Good	ForestBlackSpruce
201901	Soil	2017-07-24	KieranTompkins	467	567961	7041067	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	65	Moist	Good	ForestMixed
201902	Soil	2017-07-24	KieranTompkins	484	568005	7041082	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
201903	Soil	2017-07-24	KieranTompkins	501	568049	7041092	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	50	Frozen	Good	ForestBlackSpruce
201904	Soil	2017-07-24	KieranTompkins	512	568108	7041104	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
201905	Soil	2017-07-24	KieranTompkins	523	568147	7041122	UTMZ7N_WGS84	TalusFine	Black	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
200785	Soil	2017-07-24	BrendanMcCauley		568086	7041330	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Moist	Excellent	ForestMixed
200786	Soil	2017-07-24	BrendanMcCauley	504	568035	7041309	UTMZ7N_WGS84	Lithosoil	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
200787	Soil	2017-07-24	BrendanMcCauley	495	567991	7041293	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	70	Moist	Excellent	ForestMixed
200788	Soil	2017-07-24	BrendanMcCauley	483	567938	7041276	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
200789	Soil	2017-07-24	BrendanMcCauley	466	567893	7041260	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	C	85	Moist	Excellent	ForestMixed
200790	Soil	2017-07-24	BrendanMcCauley	436	567852	7041246	UTMZ7N_WGS84	Lithosoil	Brown	Sand	SteepW	C	50	Moist	Excellent	ForestMixed
200791	Soil	2017-07-24	BrendanMcCauley	415	567801	7041224	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	30	Frozen	Good	ForestMixed
200792	Soil	2017-07-24	BrendanMcCauley	420	567761	7041207	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	B	40	Frozen	Good	ForestMixed
200793	Soil	2017-07-24	BrendanMcCauley	449	567717	7041193	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	B	80	Dry	Good	ForestMixed
200794	Soil	2017-07-24	BrendanMcCauley	473	567657	7041171	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
200795	Soil	2017-07-24	BrendanMcCauley	494	567616	7041162	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	60	Moist	Excellent	ForestMixed
200796	Soil	2017-07-24	BrendanMcCauley	499	567565	7041149	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	B	60	Moist	Good	ForestMixed
200797	Soil	2017-07-24	BrendanMcCauley	511	567518	7041132	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	60	Dry	Good	ForestMixed
200798	Soil	2017-07-24	BrendanMcCauley	533	567481	7041109	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateE	C	60	Moist	Excellent	ForestMixed
200799	Soil	2017-07-24	BrendanMcCauley	547	567419	7041093	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
200800	Soil	2017-07-24	BrendanMcCauley	557	567382	7041078	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Dry	Good	ForestMixed
202800	Soil	2017-07-24	BrendanMcCauley	565	567317	7041070	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
202801	Soil	2017-07-24	BrendanMcCauley	586	567278	7041052	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Dry	Good	ForestMixed
202802	Soil	2017-07-24	BrendanMcCauley	572	567230	7041035	UTMZ7N_WGS84	Soil	Grey	Silt	SteepE	C	50	Frozen	Excellent	ForestMixed
202803	Soil	2017-07-24	BrendanMcCauley		567185	7041019	UTMZ7N_WGS84		Brown	Silt	SteepE	C	50	Moist	Good	ForestMixed
202804	Soil	2017-07-24	BrendanMcCauley	601	567275	7040744	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	80	Moist	Excellent	ForestMixed
202805	Soil	2017-07-24	BrendanMcCauley	593	567330	7040747	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
202806	Soil	2017-07-24	BrendanMcCauley	578	567369	7040762	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	60	Dry	Excellent	ForestMixed
202807	Soil	2017-07-24	BrendanMcCauley	569	567428	7040776	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
202808	Soil	2017-07-24	BrendanMcCauley	549	567465	7040793	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	45	Dry	Excellent	ForestMixed
202809	Soil	2017-07-24	BrendanMcCauley	533	567519	7040814	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
202810	Soil	2017-07-24	BrendanMcCauley	521	567566	7040829	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	55	Dry	Excellent	ForestMixed
202811	Soil	2017-07-24	BrendanMcCauley	512	567613	7040847	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	55	Dry	Excellent	ForestMixed
202812	Soil	2017-07-24	BrendanMcCauley	494	567660	7040857	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	30	Dry	Excellent	ForestMixed
202813	Soil	2017-07-24	BrendanMcCauley	480	567714	7040871	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
202814	Soil	2017-07-24	BrendanMcCauley	452	567759	7040891	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	70	Dry	Excellent	ForestMixed
202815	Soil	2017-07-24	BrendanMcCauley	437	567900	7040940	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	B	50	Moist	Good	ForestMixed
202816	Soil	2017-07-24	BrendanMcCauley	461	567940	7040956	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	70	Moist	Poor	ForestMixed
202817	Soil	2017-07-24	BrendanMcCauley	478	567991	7040972	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepW	B	40	Moist	Good	ForestMixed
202818	Soil	2017-07-24	BrendanMcCauley	497	568027	7040990	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	B	60	Moist	Good	ForestMixed
202819	Soil	2017-07-24	BrendanMcCauley	511	568092	7041004	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepW	C	60	Moist	Good	ForestMixed
202820	Soil	2017-07-24	BrendanMcCauley	527	568131	7041025	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepW	C	50	Moist	Good	ForestMixed
202821	Soil	2017-07-24	BrendanMcCauley	541	568176	7041030	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepW	C	50	Moist	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
200920	Soil	2017-07-24	CodyReeves	513	568013	7041494	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	55	Moist	Excellent	ForestMixed
200921	Soil	2017-07-24	CodyReeves	491	567970	7041490	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200922	Soil	2017-07-24	CodyReeves	477	567925	7041479	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200923	Soil	2017-07-24	CodyReeves	457	567875	7041457	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	50	Moist	Good	ForestMixed
200924	Soil	2017-07-24	CodyReeves	434	567837	7041444	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
200925	Soil	2017-07-24	CodyReeves	420	567781	7041426	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Drainage	C	45	Moist	Good	ForestMixed
200926	Soil	2017-07-24	CodyReeves	414	567741	7041416	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Drainage	C	45	Moist	Good	ForestMixed
200927	Soil	2017-07-24	CodyReeves	420	567692	7041392	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
200928	Soil	2017-07-24	CodyReeves	440	567645	7041381	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
200929	Soil	2017-07-24	CodyReeves	467	567593	7041368	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200930	Soil	2017-07-24	CodyReeves	489	567550	7041354	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200931	Soil	2017-07-24	CodyReeves	504	567499	7041329	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Moist	Good	ForestMixed
200932	Soil	2017-07-24	CodyReeves	516	567457	7041313	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Dry	Good	ForestMixed
200933	Soil	2017-07-24	CodyReeves	527	567406	7041297	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200934	Soil	2017-07-24	CodyReeves	528	567356	7041283	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
200935	Soil	2017-07-24	CodyReeves	531	567308	7041264	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
200936	Soil	2017-07-24	CodyReeves	539	567269	7041250	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
200937	Soil	2017-07-24	CodyReeves	553	567220	7041239	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200938	Soil	2017-07-24	CodyReeves	576	567168	7041225	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Good	ForestMixed
200939	Soil	2017-07-24	CodyReeves	586	567125	7041203	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200940	Soil	2017-07-24	CodyReeves	602	567223	7040930	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	ForestMixed
200941	Soil	2017-07-24	CodyReeves	606	567265	7040932	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
200942	Soil	2017-07-24	CodyReeves	600	567316	7040951	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200943	Soil	2017-07-24	CodyReeves	591	567357	7040967	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200944	Soil	2017-07-24	CodyReeves	576	567415	7040987	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200945	Soil	2017-07-24	CodyReeves	564	567456	7041000	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200946	Soil	2017-07-24	CodyReeves	543	567506	7041015	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200947	Soil	2017-07-24	CodyReeves	523	567550	7041023	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateNE	C	45	Dry	Good	ForestMixed
200948	Soil	2017-07-24	CodyReeves	504	567594	7041048	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200949	Soil	2017-07-24	CodyReeves	494	567644	7041059	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
200950	Soil	2017-07-24	CodyReeves	486	567694	7041084	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200951	Soil	2017-07-24	CodyReeves	459	567735	7041100	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200952	Soil	2017-07-24	CodyReeves	430	567791	7041110	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Drainage	C	40	Frozen	Good	ForestMixed
200953	Soil	2017-07-24	CodyReeves	417	567832	7041122	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Drainage	C	35	Moist	Poor	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
200954	Soil	2017-07-24	CodyReeves	424	567877	7041144	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
200955	Soil	2017-07-24	CodyReeves	444	567922	7041166	UTMZ7N_WGS84	Soil	BrownDark	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200956	Soil	2017-07-24	CodyReeves	480	567985	7041166	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine		30	Frozen	Poor	ForestMixed
203822	Soil	2017-07-24	OliverFekete	547	568216	7040948	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateW	C	45	Moist	Good	
203823	Soil	2017-07-24	OliverFekete	536	568167	7040928	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Flat	C	60	Moist	Good	
203824	Soil	2017-07-24	OliverFekete	528	568117	7040912	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateW	C	60	Moist	Poor	
203825	Soil	2017-07-24	OliverFekete	518	568073	7040897	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateW	C	60	Moist	Good	
203826	Soil	2017-07-24	OliverFekete	495	568023	7040882	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateW	C	60	Moist	Good	
203827	Soil	2017-07-24	OliverFekete	474	567978	7040866	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateW	C	60	Moist	Good	
203828	Soil	2017-07-24	OliverFekete	454	567927	7040848	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateW	C	60	Moist	Good	
203829	Soil	2017-07-24	OliverFekete	439	567881	7040828	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	SteepW	C	60	Moist	Good	
203830	Soil	2017-07-24	OliverFekete	425	567838	7040814	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Drainage	C	40	Moist	Poor	
203831	Soil	2017-07-24	OliverFekete	443	567783	7040799	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	ModerateE	C	60	Moist	Good	
203832	Soil	2017-07-24	OliverFekete	458	567740	7040781	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	
203833	Soil	2017-07-24	OliverFekete	472	567686	7040767	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	65	Dry	Excellent	
203834	Soil	2017-07-24	OliverFekete	513	567644	7040750	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	50	Dry	Excellent	
203835	Soil	2017-07-24	OliverFekete	511	567600	7040736	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	50	Dry	Excellent	
203836	Soil	2017-07-24	OliverFekete	522	567551	7040722	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	50	Dry	Excellent	
203837	Soil	2017-07-24	OliverFekete	549	567509	7040703	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	20	Dry	Excellent	
203838	Soil	2017-07-24	OliverFekete	560	567447	7040685	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepE	C	40	Dry	Excellent	
203839	Soil	2017-07-24	OliverFekete	585	567406	7040678	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	40	Dry	Good	
203840	Soil	2017-07-24	OliverFekete	601	567355	7040654	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	65	Dry	Excellent	
203841	Soil	2017-07-24	OliverFekete	607	567309	7040640	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	25	Dry	Excellent	
203842	Soil	2017-07-24	OliverFekete	557	567326	7040547	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateE	C	60	Dry	Excellent	
203843	Soil	2017-07-24	OliverFekete	558	567388	7040560	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	SteepW	C	40	Dry	Good	
203844	Soil	2017-07-24	OliverFekete	541	567442	7040577	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateW	C	60	Dry	Excellent	
201906	Soil	2017-07-25	KieranTompkins	563	568307	7040660	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
201907	Soil	2017-07-25	KieranTompkins	546	568267	7040642	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
201908	Soil	2017-07-25	KieranTompkins	535	568218	7040629	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	C	70	Moist	Good	ForestBlackSpruce
201909	Soil	2017-07-25	KieranTompkins	527	568172	7040610	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	45	Frozen	Good	ForestBlackSpruce
201910	Soil	2017-07-25	KieranTompkins	519	568120	7040595	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	40	Frozen	Good	ForestBlackSpruce
201911	Soil	2017-07-25	KieranTompkins	510	568081	7040570	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	60	Moist	Good	ForestBlackSpruce
201912	Soil	2017-07-25	KieranTompkins	500	568033	7040564	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	55	Dry	Good	ForestBlackSpruce
201913	Soil	2017-07-25	KieranTompkins	480	567981	7040544	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
200978	Soil	2017-07-25	CodyReeves	563	567669	7039911	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Moist	Good	ForestMixed
200979	Soil	2017-07-25	CodyReeves	546	567719	7039925	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
200980	Soil	2017-07-25	CodyReeves	528	567763	7039944	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	55	Moist	Good	ForestMixed
200981	Soil	2017-07-25	CodyReeves	512	567801	7039960	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
200982	Soil	2017-07-25	CodyReeves	503	567856	7039975	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
200983	Soil	2017-07-25	CodyReeves	485	567904	7039993	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200984	Soil	2017-07-25	CodyReeves	467	567950	7040007	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Drainage	B	40	Frozen	Good	ForestMixed
200985	Soil	2017-07-25	CodyReeves	461	568009	7040023	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Drainage	B	40	Moist	Good	ForestMixed
200986	Soil	2017-07-25	CodyReeves	474	568044	7040048	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	B	45	Frozen	Good	ForestMixed
200987	Soil	2017-07-25	CodyReeves	488	568098	7040059	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
200988	Soil	2017-07-25	CodyReeves	500	568144	7040074	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
200989	Soil	2017-07-25	CodyReeves	513	568193	7040090	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200990	Soil	2017-07-25	CodyReeves	524	568238	7040096	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200991	Soil	2017-07-25	CodyReeves	536	568280	7040121	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200992	Soil	2017-07-25	CodyReeves	549	568326	7040131	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Moist	Poor	ForestMixed
200993	Soil	2017-07-25	CodyReeves	551	568381	7040154	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
200994	Soil	2017-07-25	CodyReeves	560	568431	7040166	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	50	Moist	Good	ForestMixed
200995	Soil	2017-07-25	CodyReeves	558	568471	7040182	UTMZ7N_WGS84	Lithosoil	Grey	Silt	RidgeAlpine	C	45	Wet	Poor	ForestMixed
203845	Soil	2017-07-25	OliverFekete	549	568248	7040849	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	C	60	Moist	Poor	ForestMixed
203846	Soil	2017-07-25	OliverFekete	544	568200	7040834	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
203847	Soil	2017-07-25	OliverFekete	533	568150	7040809	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	40	Frozen	Poor	ForestMixed
203848	Soil	2017-07-25	OliverFekete	497	568111	7040789	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	B	45	Frozen	Poor	ForestMixed
201914	Soil	2017-07-25	KieranTompkins	456	567933	7040528	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	80	Moist	Good	ForestBlackSpruce
201915	Soil	2017-07-25	KieranTompkins	446	567895	7040506	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	40	Frozen	Good	ForestBlackSpruce
201916	Soil	2017-07-25	KieranTompkins	460	567844	7040500	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateE	C	60	Moist	Good	ForestBlackSpruce
201917	Soil	2017-07-25	KieranTompkins	475	567799	7040485	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	60	Dry	Good	ForestBlackSpruce
201918	Soil	2017-07-25	KieranTompkins	496	567753	7040463	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	B	50	Moist	Good	ForestBlackSpruce
201919	Soil	2017-07-25	KieranTompkins	519	567704	7040453	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNE	C	60	Dry	Good	ForestMixed
201920	Soil	2017-07-25	KieranTompkins	542	567651	7040431	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNE	C	35	Dry	Good	ForestMixed
201921	Soil	2017-07-25	KieranTompkins	548	567603	7040413	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	50	Dry	Poor	ForestMixed
201922	Soil	2017-07-25	KieranTompkins	560	567544	7040389	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Dry	Good	ForestMixed
201923	Soil	2017-07-25	KieranTompkins	573	567505	7040379	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
201924	Soil	2017-07-25	KieranTompkins	590	567449	7040352	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	60	Moist	Good	ForestMixed
201925	Soil	2017-07-25	KieranTompkins	597	567405	7040345	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	60	Moist	Good	ForestBlackSpruce

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201926	Soil	2017-07-25	KieranTompkins	573	567542	7039978	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Frozen	Good	ForestMixed
201927	Soil	2017-07-25	KieranTompkins	558	567583	7039987	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Moist	Good	ForestBlackSpruce
201928	Soil	2017-07-25	KieranTompkins	542	567631	7040008	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	45	Dry	Good	ForestMixed
201929	Soil	2017-07-25	KieranTompkins	521	567670	7040024	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Dry	Good	ForestMixed
201930	Soil	2017-07-25	KieranTompkins	520	567737	7040036	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	60	Dry	Good	ForestMixed
201931	Soil	2017-07-25	KieranTompkins	493	567784	7040049	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
201932	Soil	2017-07-25	KieranTompkins	482	567829	7040070	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestBlackSpruce
201933	Soil	2017-07-25	KieranTompkins	468	567875	7040083	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	80	Moist	Good	ForestBlackSpruce
201934	Soil	2017-07-25	KieranTompkins	454	567915	7040100	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestBlackSpruce
201935	Soil	2017-07-25	KieranTompkins	449	567961	7040121	UTMZ7N_WGS84	Soil	Black	Silt	Drainage	C	40	Frozen	Good	ForestMixed
201936	Soil	2017-07-25	KieranTompkins	461	568012	7040131	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	50	Frozen	Good	ForestBlackSpruce
201937	Soil	2017-07-25	KieranTompkins	469	568054	7040132	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	60	Moist	Good	ForestBlackSpruce
201938	Soil	2017-07-25	KieranTompkins	495	568110	7040173	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Frozen	Good	ForestBlackSpruce
201939	Soil	2017-07-25	KieranTompkins	507	568151	7040179	UTMZ7N_WGS84	Soil	Brown		ModerateW	C	50	Moist	Good	ForestBlackSpruce
201940	Soil	2017-07-25	KieranTompkins	521	568200	7040191	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	50	Frozen	Good	ForestBlackSpruce
201941	Soil	2017-07-25	KieranTompkins	532	568251	7040208	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
201942	Soil	2017-07-25	KieranTompkins	538	568301	7040229	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Frozen	Good	ForestBlackSpruce
201943	Soil	2017-07-25	KieranTompkins	539	568346	7040238	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Frozen	Good	ForestBlackSpruce
201944	Soil	2017-07-25	KieranTompkins	549	568387	7040266	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
201945	Soil	2017-07-25	KieranTompkins	553	568428	7040273	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Frozen	Good	ForestBlackSpruce
202822	Soil	2017-07-24	BrendanMcCauley	566	568365	7040478	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	50	Dry	Good	ForestMixed
202823	Soil	2017-07-25	BrendanMcCauley	559	568334	7040454	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	50	Dry	Excellent	ForestMixed
202824	Soil	2017-07-25	BrendanMcCauley	546	568279	7040440	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	52	Moist	Excellent	ForestMixed
202825	Soil	2017-07-25	BrendanMcCauley	532	568232	7040415	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
202826	Soil	2017-07-25	BrendanMcCauley	528	568191	7040408	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
202827	Soil	2017-07-25	BrendanMcCauley	515	568137	7040397	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	85	Moist	Excellent	ForestMixed
202828	Soil	2017-07-25	BrendanMcCauley	502	568087	7040382	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed
202829	Soil	2017-07-25	BrendanMcCauley	498	568046	7040365	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	70	Moist	Good	ForestMixed
202830	Soil	2017-07-25	BrendanMcCauley	457	567991	7040332	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed
202831	Soil	2017-07-25	BrendanMcCauley	452	567910	7040303	UTMZ7N_WGS84	Soil	BrownDark	Sand	ModerateE	C	50	Moist	Excellent	ForestMixed
202832	Soil	2017-07-25	BrendanMcCauley	476	567866	7040291	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Dry	Excellent	ForestMixed
202833	Soil	2017-07-25	BrendanMcCauley	503	567808	7040281	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	45	Dry	Excellent	ForestMixed
202834	Soil	2017-07-25	BrendanMcCauley	524	567758	7040256	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepSE	C	50	Dry	Excellent	ForestMixed
202835	Soil	2017-07-25	BrendanMcCauley	519	567702	7040234	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	50	Dry	Excellent	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202836	Soil	2017-07-25	BrendanMcCauley	539	567666	7040234	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	45	Dry	Excellent	ForestMixed
202837	Soil	2017-07-25	BrendanMcCauley	559	567618	7040209	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepSE	C	40	Dry	Excellent	ForestMixed
202838	Soil	2017-07-25	BrendanMcCauley	576	567572	7040201	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	50	Dry	Excellent	ForestMixed
202839	Soil	2017-07-25	BrendanMcCauley	574	567518	7040176	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	30	Dry	Excellent	ForestMixed
202840	Soil	2017-07-25	BrendanMcCauley	574	567478	7040176	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepSE	C	50	Dry	Excellent	ForestMixed
202841	Soil	2017-07-25	BrendanMcCauley	588	567607	7039784	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	60	Dry	Excellent	ForestMixed
202842	Soil	2017-07-25	BrendanMcCauley	579	567662	7039790	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	60	Dry	Excellent	ForestMixed
202843	Soil	2017-07-25	BrendanMcCauley	560	567699	7039821	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	60	Dry	Excellent	ForestMixed
202844	Soil	2017-07-25	BrendanMcCauley	543	567755	7039840	UTMZ7N_WGS84	Soil	BrownLight	Sand	SteepE	C	55	Dry	Excellent	ForestMixed
202845	Soil	2017-07-25	BrendanMcCauley	525	567791	7039845	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Dry	Excellent	ForestMixed
202846	Soil	2017-07-25	BrendanMcCauley	519	567837	7039865	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	75	Dry	Excellent	ForestMixed
202847	Soil	2017-07-25	BrendanMcCauley	504	567891	7039874	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
202848	Soil	2017-07-25	BrendanMcCauley	469	567937	7039884	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	60	Dry	Excellent	ForestMixed
202849	Soil	2017-07-25	BrendanMcCauley	450	567983	7039907	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateE	C	50	Wet	Excellent	ForestMixed
202850	Soil	2017-07-25	BrendanMcCauley	464	568069	7039949	UTMZ7N_WGS84	Soil	Brown	Sand	SteepW	C	40	Moist	Good	ForestMixed
202851	Soil	2017-07-25	BrendanMcCauley	489	568128	7039969	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	B	50	Moist	Good	ForestMixed
202852	Soil	2017-07-25	BrendanMcCauley	501	568174	7039978	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	50	Moist	Excellent	ForestMixed
202853	Soil	2017-07-25	BrendanMcCauley	507	568219	7039987	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	70	Moist	Good	ForestMixed
202854	Soil	2017-07-25	BrendanMcCauley	503	568261	7040003	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	65	Moist	Good	ForestMixed
202855	Soil	2017-07-25	BrendanMcCauley	528	568302	7040025	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Moist	Excellent	ForestMixed
202856	Soil	2017-07-25	BrendanMcCauley	537	568354	7040038	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
202857	Soil	2017-07-25	BrendanMcCauley	552	568411	7040055	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Good	ForestMixed
202858	Soil	2017-07-25	BrendanMcCauley	559	568450	7040065	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Moist	Excellent	ForestMixed
202859	Soil	2017-07-25	BrendanMcCauley	568	568501	7040085	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
203903	Soil	2017-07-25	DylanWales	574	568410	7040375	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
203904	Soil	2017-07-25	DylanWales	558	568361	7040355	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	50	Moist	Excellent	ForestAspen
203905	Soil	2017-07-25	DylanWales	570	568317	7040351	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	30	Dry	Good	ForestAspen
203906	Soil	2017-07-25	DylanWales	545	568267	7040332	UTMZ7N_WGS84	Soil	Brown	Sand	Flat	C	40	Dry	Excellent	
203907	Soil	2017-07-25	DylanWales	523	568175	7040297	UTMZ7N_WGS84	Soil	Grey	Clay	ModerateSW	C	40	Moist		
203908	Soil	2017-07-25	DylanWales	509	568123	7040274	UTMZ7N_WGS84	Soil	Brown	Silt		C	40			
203909	Soil	2017-07-25	DylanWales	502	568077	7040274	UTMZ7N_WGS84	Soil	BrownDark			B	60	Wet		
203910	Soil	2017-07-25	DylanWales	480	568022	7040253	UTMZ7N_WGS84	Soil	BrownLight			C	50			
203911	Soil	2017-07-25	DylanWales	465	567987	7040229	UTMZ7N_WGS84	Soil	Grey	Clay		C	40			
203912	Soil	2017-07-25	DylanWales	453	567886	7040201	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen		

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203913	Soil	2017-07-25	DylanWales	494	567849	7040177	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen		
203914	Soil	2017-07-25	DylanWales	485	567801	7040170	UTMZ7N_WGS84	Regolith	Grey	Silt		C	40			
203915	Soil	2017-07-25	DylanWales	494	567744	7040152	UTMZ7N_WGS84	Soil	Grey	Silt		C	60	Wet		
203916	Soil	2017-07-25	DylanWales	504	567697	7040140	UTMZ7N_WGS84	Soil	Grey	Silt		C	60	Wet		
203917	Soil	2017-07-25	DylanWales	542	567654	7040103	UTMZ7N_WGS84	Soil	Grey	Silt		C	50	Moist		
203918	Soil	2017-07-25	DylanWales	536	567601	7040109	UTMZ7N_WGS84	Soil	Grey	Silt		C	40			
203919	Soil	2017-07-25	DylanWales	547	567562	7040088	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	40	Frozen		
203920	Soil	2017-07-25	DylanWales	551	567495	7040091	UTMZ7N_WGS84	Soil	BrownDark	Silt		C	40	Frozen		
203921	Soil	2017-07-25	DylanWales	583	567629	7039692	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	40	Frozen		
203922	Soil	2017-07-25	DylanWales	564	567690	7039714	UTMZ7N_WGS84	Soil	BrownLight	Clay		C	30	Dry		
203923	Soil	2017-07-25	DylanWales	557	567725	7039724	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	40			
203924	Soil	2017-07-25	DylanWales	537	567780	7039733	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	30		Excellent	
203925	Soil	2017-07-25	DylanWales	524	567823	7039751	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	40		Excellent	
203926	Soil	2017-07-25	DylanWales	511	567874	7039775	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	30	Dry	Excellent	
203927	Soil	2017-07-25	DylanWales	508	567919	7039787	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	60	Wet	Good	
203928	Soil	2017-07-25	DylanWales	499	567963	7039799	UTMZ7N_WGS84	Soil	BrownLight	Sand		C	60	Moist	Excellent	
203930	Soil	2017-07-25	DylanWales	478	568106	7039854	UTMZ7N_WGS84	Soil	Grey	Gravel		B	40	Frozen		
203931	Soil	2017-07-25	DylanWales	501	568159	7039861	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	60	Frozen	Poor	
203932	Soil	2017-07-25	DylanWales	515	568203	7039873	UTMZ7N_WGS84	Soil	BrownDark	Silt		B	40	Frozen	Poor	
203933	Soil	2017-07-25	DylanWales	531	568250	7039899	UTMZ7N_WGS84	Soil	BrownLight	Sand		C	70	Frozen		
203934	Soil	2017-07-25	DylanWales	536	568298	7039914	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	50	Wet	Poor	
203935	Soil	2017-07-25	DylanWales	554	568337	7039930	UTMZ7N_WGS84	Soil	Grey	Clay		B	30	Frozen	Poor	
203936	Soil	2017-07-25	DylanWales	546	568391	7039946	UTMZ7N_WGS84	Soil	Grey	Clay		C	40	Frozen		
203937	Soil	2017-07-25	DylanWales	552	568441	7039968	UTMZ7N_WGS84	Soil	Grey	Clay		C	40	Frozen		
203938	Soil	2017-07-25	DylanWales	561	568478	7039983	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	20	Frozen	Good	
203939	Soil	2017-07-25	DylanWales	566	568528	7039988	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	40	Moist	Good	
200957	Soil	2017-07-25	CodyReeves	559	568340	7040558	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
200958	Soil	2017-07-25	CodyReeves	545	568303	7040550	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
200959	Soil	2017-07-25	CodyReeves	536	568251	7040531	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
200960	Soil	2017-07-25	CodyReeves	528	568203	7040515	UTMZ7N_WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
200961	Soil	2017-07-25	CodyReeves	513	568116	7040491	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
202918	Soil	2017-07-27	BrendanMcCauley	600	568335	7039190	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateNW	C	30	Moist	Good	ForestMixed
202919	Soil	2017-07-27	BrendanMcCauley	591	568284	7039171	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNW	C	40	Moist	Good	ForestMixed
202920	Soil	2017-07-27	BrendanMcCauley	585	568233	7039150	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSW	C	50	Moist	Excellent	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202921	Soil	2017-07-27	BrendanMcCauley	577	568189	7039138	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202922	Soil	2017-07-27	BrendanMcCauley	577	568140	7039134	UTMZ7N_WGS84	Soil	BrownDark	Silt	SteepNW	C	60	Moist	Good	ForestMixed
202923	Soil	2017-07-27	BrendanMcCauley	553	568082	7039111	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNW	C	40	Moist	Good	ForestMixed
202924	Soil	2017-07-27	BrendanMcCauley	543	568048	7039096	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
202925	Soil	2017-07-27	BrendanMcCauley	534	567993	7039086	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202926	Soil	2017-07-27	BrendanMcCauley	531	567941	7039063	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202927	Soil	2017-07-27	BrendanMcCauley	532	567896	7039053	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202928	Soil	2017-07-27	BrendanMcCauley	535	567850	7039039	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202929	Soil	2017-07-27	BrendanMcCauley	536	567757	7039315	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	50	Frozen	Good	ForestMixed
202930	Soil	2017-07-27	BrendanMcCauley	528	567800	7039328	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	C	50	Moist	Excellent	ForestMixed
202931	Soil	2017-07-27	BrendanMcCauley	516	567863	7039340	UTMZ7N_WGS84	Soil	Brown	Sand	SteepNE	C	60	Moist	Excellent	ForestMixed
202932	Soil	2017-07-27	BrendanMcCauley	511	567893	7039370	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	70	Moist	Excellent	ForestMixed
202933	Soil	2017-07-27	BrendanMcCauley	491	567954	7039370	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Moist	Excellent	ForestMixed
202934	Soil	2017-07-27	BrendanMcCauley	489	568003	7039381	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
202935	Soil	2017-07-27	BrendanMcCauley	487	568037	7039411	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
202936	Soil	2017-07-27	BrendanMcCauley	490	568090	7039423	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Frozen	Excellent	ForestMixed
202937	Soil	2017-07-27	BrendanMcCauley	517	568145	7039429	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	60	Moist	Good	ForestMixed
202938	Soil	2017-07-27	BrendanMcCauley	536	568186	7039449	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	60	Moist	Good	ForestMixed
202939	Soil	2017-07-27	BrendanMcCauley	551	568233	7039468	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	60	Moist	Excellent	ForestMixed
202940	Soil	2017-07-27	BrendanMcCauley	555	568279	7039490	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNW	C	60	Moist	Good	ForestMixed
202941	Soil	2017-07-27	BrendanMcCauley	544	568323	7039508	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	60	Moist	Good	ForestMixed
202942	Soil	2017-07-27	BrendanMcCauley	534	568372	7039523	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	B	60	Moist	Poor	ForestMixed
202943	Soil	2017-07-27	BrendanMcCauley	525	568430	7039523	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	550	Moist	Good	ForestMixed
202944	Soil	2017-07-27	BrendanMcCauley	514	568476	7039549	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	45	Moist	Good	ForestMixed
202945	Soil	2017-07-27	BrendanMcCauley	506	568522	7039557	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Moist	Good	ForestMixed
202946	Soil	2017-07-27	BrendanMcCauley	511	568573	7039578	UTMZ7N_WGS84	Colluvium	BrownLight	Silt	SteepS	C	35	Dry	Excellent	ForestMixed
202947	Soil	2017-07-27	BrendanMcCauley	531	568609	7039596	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202948	Soil	2017-07-27	BrendanMcCauley	545	568655	7039600	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Excellent	ForestMixed
203940	Soil	2017-07-27	DylanWales	589	568789	7039236	UTMZ7N_WGS84	Soil	Grey	Clay		C	30	Frozen	Good	ForestMixed
203941	Soil	2017-07-27	DylanWales	606	568739	7039221	UTMZ7N_WGS84	Soil	Grey	Silt		C	50	Frozen	Good	ForestMixed
203942	Soil	2017-07-27	DylanWales	615	568694	7039209	UTMZ7N_WGS84	Soil	Grey	Silt		B	40	Frozen	Good	ForestMixed
203943	Soil	2017-07-27	DylanWales	628	568650	7039189	UTMZ7N_WGS84	Lithosoil	Grey	Sand		C	60	Wet	Good	ForestMixed
203944	Soil	2017-07-27	DylanWales	645	568599	7039174	UTMZ7N_WGS84	Soil	Grey	Silt		B	50	Frozen	Poor	ForestMixed
203945	Soil	2017-07-27	DylanWales	647	568552	7039158	UTMZ7N_WGS84	Soil	BrownDark	Silt		C	60	Wet	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203946	Soil	2017-07-27	DylanWales	650	568500	7039138	UTMZ7N_WGS84	Soil	Grey	Clay		B	60	Wet	Poor	ForestMixed
203947	Soil	2017-07-27	DylanWales	644	568459	7039122	UTMZ7N_WGS84	Soil	Grey	Silt		C	50	Frozen	Good	ForestMixed
203948	Soil	2017-07-27	DylanWales	650	568410	7039109	UTMZ7N_WGS84	Lithosoil	Grey	Sand		C	50	Moist	Good	ForestMixed
203949	Soil	2017-07-27	DylanWales	639	568362	7039095	UTMZ7N_WGS84	Lithosoil	Grey	Clay		C	70	Moist	Good	ForestMixed
203950	Soil	2017-07-27	DylanWales	630	568315	7039079	UTMZ7N_WGS84	Lithosoil	Grey	Gravel		C	40	Moist	Excellent	ForestMixed
203951	Soil	2017-07-27	DylanWales	623	568271	7039061	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	80	Moist	Excellent	ForestMixed
203952	Soil	2017-07-27	DylanWales	610	568218	7039043	UTMZ7N_WGS84	Lithosoil	Grey	Clay		C	40	Frozen	Good	ForestMixed
203953	Soil	2017-07-27	DylanWales	600	568174	7039028	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	50	Frozen	Poor	ForestMixed
203954	Soil	2017-07-27	DylanWales	587	568123	7039019	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	30	Frozen	Poor	ForestMixed
203955	Soil	2017-07-27	DylanWales	584	568084	7038997	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	40	Frozen	Poor	ForestMixed
203956	Soil	2017-07-27	DylanWales	577	568021	7038982	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	40	Frozen	Good	ForestMixed
203957	Soil	2017-07-27	DylanWales	573	567972	7038962	UTMZ7N_WGS84	Soil	Grey	Silt		B	40	Frozen	Poor	ForestMixed
203958	Soil	2017-07-27	DylanWales	575	567923	7038944	UTMZ7N_WGS84	Lithosoil	Grey	Sand		C	60	Moist	Excellent	ForestMixed
203959	Soil	2017-07-27	DylanWales	579	567877	7038934	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	50	Moist	Good	ForestMixed
203960	Soil	2017-07-27	DylanWales	539	567734	7039408	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	60	Frozen	Poor	ForestMixed
203961	Soil	2017-07-27	DylanWales	547	567777	7039418	UTMZ7N_WGS84	Soil	Grey	Clay		C	40	Frozen	Good	ForestMixed
203962	Soil	2017-07-27	DylanWales	531	567824	7039436	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen	Poor	ForestMixed
203963	Soil	2017-07-27	DylanWales	518	567865	7039456	UTMZ7N_WGS84	Lithosoil	Grey	Clay		C	40	Frozen	Good	ForestMixed
203964	Soil	2017-07-27	DylanWales	516	567917	7039465	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen	Poor	ForestMixed
203965	Soil	2017-07-27	DylanWales	512	567964	7039487	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		B	50	Frozen	Good	ForestMixed
203966	Soil	2017-07-27	DylanWales	510	568014	7039500	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Wet	Good	ForestMixed
203967	Soil	2017-07-27	DylanWales	505	568059	7039515	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen	Poor	ForestMixed
203969	Soil	2017-07-27	DylanWales	520	568253	7039578	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen	Poor	ForestMixed
203970	Soil	2017-07-27	DylanWales	499	568298	7039596	UTMZ7N_WGS84	Soil	Grey	Clay		B	30	Frozen	Poor	ForestMixed
203971	Soil	2017-07-27	DylanWales	489	568341	7039612	UTMZ7N_WGS84	Soil	Orange	Clay		B	30	Frozen	Poor	
203972	Soil	2017-07-27	DylanWales	486	568387	7039630	UTMZ7N_WGS84	Soil	Grey	Clay		B	40	Frozen	Poor	ForestMixed
203973	Soil	2017-07-27	DylanWales	495	568441	7039646	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel		C	30	Dry	Excellent	ForestMixed
203974	Soil	2017-07-27	DylanWales	507	568489	7039662	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	30	Dry	Excellent	ForestMixed
203975	Soil	2017-07-27	DylanWales	528	568538	7039670	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	70	Moist	Good	ForestMixed
203976	Soil	2017-07-27	DylanWales	550	568584	7039688	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
203977	Soil	2017-07-27	DylanWales	557	568630	7039706	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	50	Moist	Excellent	ForestMixed
201021	Soil	2017-07-27	CodyReeves	609	568822	7039136	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
201022	Soil	2017-07-27	CodyReeves	615	568773	7039123	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201023	Soil	2017-07-27	CodyReeves	629	568731	7039113	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	35	Frozen	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201024	Soil	2017-07-27	CodyReeves	648	568679	7039086	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
201025	Soil	2017-07-27	CodyReeves	644	568635	7039081	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	35	Frozen	Good	ForestMixed
201026	Soil	2017-07-27	CodyReeves	665	568587	7039062	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	35	Frozen	Good	ForestMixed
201027	Soil	2017-07-27	CodyReeves	661	568544	7039049	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201028	Soil	2017-07-27	CodyReeves	663	568493	7039024	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201029	Soil	2017-07-27	CodyReeves	664	568440	7039018	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Moist	Good	ForestMixed
201030	Soil	2017-07-27	CodyReeves	656	568396	7039001	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201031	Soil	2017-07-27	CodyReeves	647	568344	7038990	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
201032	Soil	2017-07-27	CodyReeves	639	568294	7038971	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201033	Soil	2017-07-27	CodyReeves	633	568257	7038954	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201045	Soil	2017-07-27	CodyReeves	521	567885	7039558	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201046	Soil	2017-07-27	CodyReeves	514	567939	7039575	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
201047	Soil	2017-07-27	CodyReeves	502	567978	7039592	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Frozen	Good	ForestMixed
201048	Soil	2017-07-27	CodyReeves	498	568027	7039606	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201049	Soil	2017-07-27	CodyReeves	488	568069	7039623	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201050	Soil	2017-07-27	CodyReeves	484	568123	7039644	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	B	30	Frozen	Poor	ForestMixed
201051	Soil	2017-07-27	CodyReeves	498	568167	7039655	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	35	Frozen	Good	ForestMixed
201052	Soil	2017-07-27	CodyReeves	487	568222	7039661	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Drainage	B	35	Frozen	Poor	ForestMixed
201053	Soil	2017-07-27	CodyReeves	485	568262	7039686	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201054	Soil	2017-07-27	CodyReeves	483	568315	7039685	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201055	Soil	2017-07-27	CodyReeves	509	568365	7039714	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201056	Soil	2017-07-27	CodyReeves	528	568415	7039737	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201057	Soil	2017-07-27	CodyReeves	535	568461	7039753	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	65	Moist	Excellent	ForestMixed
201058	Soil	2017-07-27	CodyReeves	544	568496	7039781	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	80	Dry	Excellent	ForestMixed
201059	Soil	2017-07-27	CodyReeves	548	568539	7039790	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Excellent	ForestMixed
201060	Soil	2017-07-27	CodyReeves	560	568589	7039798	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Moist	Good	ForestMixed
204400	Soil	2017-07-27	OliverFekete	565	567663	7039603	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	60	Moist	Poor	ForestMixed
204401	Soil	2017-07-27	OliverFekete	559	567712	7039610	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	B	60	Frozen	Good	ForestMixed
204402	Soil	2017-07-27	OliverFekete	547	567755	7039624	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
204403	Soil	2017-07-27	OliverFekete	548	567811	7039644	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	40	Moist	Good	ForestMixed
204404	Soil	2017-07-27	OliverFekete	526	567851	7039657	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	B	70	Moist	Good	ForestMixed
204405	Soil	2017-07-27	OliverFekete	511	567906	7039674	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	90	Moist	Good	ForestMixed
204406	Soil	2017-07-27	OliverFekete	501	567949	7039694	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	60	Wet	Excellent	ForestMixed
204407	Soil	2017-07-27	OliverFekete	489	567998	7039710	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	50	Wet	Excellent	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
204408	Soil	2017-07-27	OliverFekete	480	568046	7039722	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	B	60	Moist	Poor	ForestMixed
204415	Soil	2017-07-27	OliverFekete	530	568377	7039827	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Moist	Excellent	ForestMixed
204416	Soil	2017-07-27	OliverFekete	545	568421	7039842	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	45	Wet	Excellent	ForestMixed
204417	Soil	2017-07-27	OliverFekete	554	568467	7039865	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed
204418	Soil	2017-07-27	OliverFekete	573	568524	7039888	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	50	Wet	Excellent	ForestMixed
204419	Soil	2017-07-27	OliverFekete	570	568564	7039902	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Wet	Excellent	ForestMixed
204409	Soil	2017-07-27	OliverFekete	473	568092	7039740	UTMZ7N_WGS84	Soil	BrownDark	Silt	Drainage	B	30	Frozen	Poor	ForestMixed
204410	Soil	2017-07-27	OliverFekete	483	568143	7039752	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	20	Dry	Poor	ForestMixed
204411	Soil	2017-07-27	OliverFekete	500	568190	7039775	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	80	Moist	Excellent	ForestMixed
204412	Soil	2017-07-27	OliverFekete	500	568230	7039792	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	45	Moist	Excellent	ForestMixed
204413	Soil	2017-07-27	OliverFekete	501	568278	7039806	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Frozen	Good	ForestMixed
204414	Soil	2017-07-27	OliverFekete	508	568330	7039826	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Moist	Excellent	ForestMixed
201061	Soil	2017-07-28	CodyReeves	845	570186	7039599	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Dry	Good	ForestMixed
201062	Soil	2017-07-28	CodyReeves	831	570133	7039582	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201063	Soil	2017-07-28	CodyReeves	822	570087	7039564	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201064	Soil	2017-07-28	CodyReeves	809	570032	7039558	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201065	Soil	2017-07-28	CodyReeves	788	569985	7039542	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201066	Soil	2017-07-28	CodyReeves	762	569951	7039523	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201067	Soil	2017-07-28	CodyReeves	755	569895	7039498	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201068	Soil	2017-07-28	CodyReeves	733	569845	7039494	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	40	Frozen	Poor	ForestMixed
201070	Soil	2017-07-28	CodyReeves	700	569755	7039461	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	90	Moist	Good	ForestMixed
201071	Soil	2017-07-28	CodyReeves	697	569710	7039447	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201072	Soil	2017-07-28	CodyReeves	682	569668	7039421	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Dry	Good	ForestMixed
201073	Soil	2017-07-28	CodyReeves	694	569617	7039401	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	65	Dry	Excellent	ForestMixed
201074	Soil	2017-07-28	CodyReeves	692	569575	7039392	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201075	Soil	2017-07-28	CodyReeves	686	569517	7039343	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Excellent	ForestMixed
201076	Soil	2017-07-28	CodyReeves	680	569544	7039283	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201077	Soil	2017-07-28	CodyReeves	683	569604	7039294	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201078	Soil	2017-07-28	CodyReeves	696	569647	7039311	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
201079	Soil	2017-07-28	CodyReeves	707	569699	7039326	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201080	Soil	2017-07-28	CodyReeves	716	569748	7039342	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	60	Dry	Excellent	ForestMixed
201081	Soil	2017-07-28	CodyReeves	721	569782	7039361	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Excellent	ForestMixed
201082	Soil	2017-07-28	CodyReeves	722	569831	7039376	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201083	Soil	2017-07-28	CodyReeves	746	569873	7039395	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201084	Soil	2017-07-28	CodyReeves	746	569929	7039405	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Good	ForestMixed
201085	Soil	2017-07-28	CodyReeves	753	569982	7039418	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201086	Soil	2017-07-28	CodyReeves	773	570017	7039445	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201087	Soil	2017-07-28	CodyReeves	790	570065	7039465	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201088	Soil	2017-07-28	CodyReeves	803	570116	7039469	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201089	Soil	2017-07-28	CodyReeves	827	570172	7039489	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
201090	Soil	2017-07-28	CodyReeves	805	570216	7039504	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
203119	Soil	2017-08-01	BrendanMcCauley	890	570406	7039273	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	45	Dry	Excellent	ForestMixed
203120	Soil	2017-08-01	BrendanMcCauley	872	570362	7039233	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	45	Dry	Excellent	ForestMixed
203121	Soil	2017-08-01	BrendanMcCauley	862	570307	7039231	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	55	Dry	Excellent	ForestMixed
203122	Soil	2017-08-01	BrendanMcCauley	846	570260	7039208	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
203130	Soil	2017-08-02	BrendanMcCauley	679	568085	7036291	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203131	Soil	2017-08-02	BrendanMcCauley	670	568097	7036227	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203132	Soil	2017-08-02	BrendanMcCauley	669	568100	7036178	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203133	Soil	2017-08-02	BrendanMcCauley	645	568138	7036125	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Excellent	ForestMixed
203134	Soil	2017-08-02	BrendanMcCauley	626	568144	7036071	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203135	Soil	2017-08-02	BrendanMcCauley	613	568165	7036017	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203136	Soil	2017-08-02	BrendanMcCauley	588	568170	7035965	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
203137	Soil	2017-08-02	BrendanMcCauley	558	568192	7035917	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203138	Soil	2017-08-02	BrendanMcCauley	484	568220	7035861	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
204036	Soil	2017-08-03	DylanWales	644	566733	7038919	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	50	Moist	Excellent	ForestMixed
204037	Soil	2017-08-03	DylanWales	658	566683	7038880	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
204038	Soil	2017-08-03	DylanWales	674	566631	7038846	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204039	Soil	2017-08-03	DylanWales	698	566577	7038819	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204051	Soil	2017-08-03	DylanWales	774	566199	7038798	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	80	Frozen	Poor	ForestMixed
204052	Soil	2017-08-03	DylanWales	749	566180	7038848	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	70	Frozen	Poor	ForestMixed
204053	Soil	2017-08-03	DylanWales	756	566145	7038894	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	40	Dry	Excellent	ForestMixed
204054	Soil	2017-08-03	DylanWales	758	566135	7038949	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
204055	Soil	2017-08-03	DylanWales	753	566109	7039007	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	40	Dry	Good	ForestMixed
204056	Soil	2017-08-03	DylanWales	732	565855	7039638	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204057	Soil	2017-08-03	DylanWales	723	565789	7039753	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204058	Soil	2017-08-03	DylanWales	693	565749	7039853	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201267	Soil	2017-08-03	CodyReeves	764	566591	7039811	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	65	Dry	Excellent	ForestMixed
201268	Soil	2017-08-03	CodyReeves	756	566558	7039796	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201269	Soil	2017-08-03	CodyReeves	745	566506	7039759	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
203053	Soil	2017-07-31	BrendanMcCauley	781	566670	7039963	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
203054	Soil	2017-07-31	BrendanMcCauley	766	566699	7040062	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	55	Moist	Excellent	ForestMixed
203055	Soil	2017-07-31	BrendanMcCauley	755	566722	7040167	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Good	ForestMixed
203268	Soil	2017-08-06	BrendanMcCauley	590	570104	7034006	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	BurnOld
203269	Soil	2017-08-06	BrendanMcCauley	588	570058	7033986	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
203270	Soil	2017-08-06	BrendanMcCauley	574	570014	7033945	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
203271	Soil	2017-08-06	BrendanMcCauley	571	569963	7033910	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	ForestMixed
203272	Soil	2017-08-06	BrendanMcCauley	559	569927	7033866	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	ForestMixed
202312	Soil	2017-08-06	KieranTompkins	620	571248	7034003	UTMZ7N_WGS84	Soil	RustyOrange	Silt	Ridge	C	40	Dry	Good	ForestMixed
202313	Soil	2017-08-06	KieranTompkins	624	571219	7033975	UTMZ7N_WGS84			Silt	Ridge	C	35	Dry	Good	ForestMixed
202314	Soil	2017-08-06	KieranTompkins	623	571206	7033948	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202315	Soil	2017-08-06	KieranTompkins	624	571159	7033902	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202316	Soil	2017-08-06	KieranTompkins	616	571133	7033856	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202317	Soil	2017-08-06	KieranTompkins	616	571114	7033819	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	ForestMixed
202318	Soil	2017-08-06	KieranTompkins	611	571076	7033779	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203230	Soil	2017-08-05	BrendanMcCauley	742	569007	7038431	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203231	Soil	2017-08-05	BrendanMcCauley	740	568965	7038457	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
203232	Soil	2017-08-05	BrendanMcCauley	734	568920	7038480	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
201091	Soil	2017-07-28	CodyReeves	816	570264	7039530	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201092	Soil	2017-07-28	CodyReeves	881	570312	7039537	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Dry	Good	ForestMixed
201093	Soil	2017-07-28	CodyReeves	887	570359	7039563	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201094	Soil	2017-07-28	CodyReeves	897	570416	7039569	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201095	Soil	2017-07-28	CodyReeves	899	570454	7039584	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
201096	Soil	2017-07-28	CodyReeves	891	570509	7039603	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201097	Soil	2017-07-28	CodyReeves	886	570558	7039622	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201098	Soil	2017-07-28	CodyReeves	878	570603	7039641	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201099	Soil	2017-07-28	CodyReeves	872	570650	7039648	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201100	Soil	2017-07-28	CodyReeves	858	570695	7039672	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
201101	Soil	2017-07-28	CodyReeves	845	570668	7039762	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
201102	Soil	2017-07-28	CodyReeves	851	570625	7039758	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
201103	Soil	2017-07-28	CodyReeves	861	570570	7039745	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201104	Soil	2017-07-28	CodyReeves	864	570526	7039718	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201105	Soil	2017-07-28	CodyReeves	868	570468	7039711	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	35	Frozen	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201106	Soil	2017-07-28	CodyReeves	889	570430	7039687	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201107	Soil	2017-07-28	CodyReeves	875	570385	7039671	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201108	Soil	2017-07-28	CodyReeves	879	570325	7039658	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
202988	Soil	2017-07-28	CodyReeves	866	570282	7039634	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
202989	Soil	2017-07-28	CodyReeves	864	570240	7039625	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
202004	Soil	2017-07-27	KieranTompkins	801	570057	7039972	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Moist	Good	BurnOld
202005	Soil	2017-07-27	KieranTompkins	793	570109	7039986	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	BurnOld
202006	Soil	2017-07-27	KieranTompkins	796	570158	7039994	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepN	C	60	Dry	Good	BurnOld
202007	Soil	2017-07-27	KieranTompkins	791	570198	7040017	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	50	Moist	Good	ForestMixed
202008	Soil	2017-07-27	KieranTompkins	797	570240	7040049	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	70	Moist	Good	ForestMixed
202009	Soil	2017-07-27	KieranTompkins	804	570296	7040058	UTMZ7N_WGS84		Brown	Silt	SteepN	C	50	Dry	Good	ForestMixed
202010	Soil	2017-07-27	KieranTompkins	809	570341	7040074	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Good	ForestBlackSpruce
202011	Soil	2017-07-27	KieranTompkins	812	570404	7040087	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	40	Dry	Good	BurnOld
202012	Soil	2017-07-27	KieranTompkins	811	570450	7040106	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Excellent	BurnOld
202013	Soil	2017-07-27	KieranTompkins	821	570496	7040126	UTMZ7N_WGS84	Soil	BrownLight	Sand	ModerateN	C	40	Dry	Good	BurnOld
202014	Soil	2017-07-28	KieranTompkins	812	570542	7040136	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Good	BurnOld
202015	Soil	2017-07-28	KieranTompkins	815	570577	7040050	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Good	BurnOld
202016	Soil	2017-07-28	KieranTompkins	820	570527	7040036	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Good	BurnOld
202017	Soil	2017-07-28	KieranTompkins	818	570486	7040015	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Excellent	BurnOld
202018	Soil	2017-07-28	KieranTompkins	824	570439	7040000	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Good	BurnOld
202019	Soil	2017-07-28	KieranTompkins	822	570374	7039980	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	35	Dry	Good	ForestMixed
202020	Soil	2017-07-28	KieranTompkins	825	570331	7039962	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	40	Dry	Good	ForestMixed
202021	Soil	2017-07-28	KieranTompkins	817	570284	7039955	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
202022	Soil	2017-07-28	KieranTompkins	817	570233	7039931	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Dry	Good	SubAlpineAlder
202023	Soil	2017-07-28	KieranTompkins	822	570187	7039926	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
202024	Soil	2017-07-28	KieranTompkins	827	570139	7039902	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
202025	Soil	2017-07-28	KieranTompkins	826	570093	7039882	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestMixed
202026	Soil	2017-07-28	KieranTompkins	838	570121	7039799	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
202027	Soil	2017-07-28	KieranTompkins	846	570166	7039802	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
202028	Soil	2017-07-28	KieranTompkins	840	570213	7039822	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestBlackSpruce
202029	Soil	2017-07-28	KieranTompkins	844	570264	7039832	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestBlackSpruce
202030	Soil	2017-07-28	KieranTompkins		570315	7039862	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
202031	Soil	2017-07-28	KieranTompkins	839	570362	7039874	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
202032	Soil	2017-07-28	KieranTompkins	839	570402	7039887	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202033	Soil	2017-07-28	KieranTompkins	835	570467	7039904	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Good	BurnOld
202034	Soil	2017-07-28	KieranTompkins	835	570510	7039923	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
202035	Soil	2017-07-28	KieranTompkins		570557	7039941	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	BurnOld
202036	Soil	2017-07-28	KieranTompkins	815	570598	7039951	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	35	Dry	Excellent	ForestBlackSpruce
202037	Soil	2017-07-28	KieranTompkins	774	570021	7040070	UTMZ7N_WGS84	Soil	BrownLight	Sand	SteepN	C	40	Dry	Good	BurnOld
202949	Soil	2017-07-28	BrendanMcCauley	834	570104	7039681	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202950	Soil	2017-07-28	BrendanMcCauley	824	570052	7039667	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202951	Soil	2017-07-28	BrendanMcCauley	801	570008	7039633	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202952	Soil	2017-07-28	BrendanMcCauley	782	569960	7039626	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202953	Soil	2017-07-28	BrendanMcCauley	777	569912	7039610	UTMZ7N_WGS84	Soil	RustyOrange	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202954	Soil	2017-07-28	BrendanMcCauley	744	569864	7039586	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
202955	Soil	2017-07-28	BrendanMcCauley	733	569820	7039588	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202956	Soil	2017-07-28	BrendanMcCauley	716	569773	7039577	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Good	ForestMixed
202957	Soil	2017-07-28	BrendanMcCauley	699	569720	7039550	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Moist	Good	ForestMixed
202958	Soil	2017-07-28	BrendanMcCauley	679	569680	7039531	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
202959	Soil	2017-07-28	BrendanMcCauley	669	569641	7039513	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Poor	ForestMixed
202960	Soil	2017-07-28	BrendanMcCauley	667	569583	7039502	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
202961	Soil	2017-07-28	BrendanMcCauley	657	569540	7039489	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	50	Moist	Excellent	ForestMixed
202962	Soil	2017-07-28	BrendanMcCauley	642	569493	7039473	UTMZ7N_WGS84	Soil	Brown	Silt	Drainage	C	60	Moist	Excellent	ForestMixed
202963	Soil	2017-07-28	BrendanMcCauley	699	569580	7039191	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	55	Moist	Good	ForestMixed
202964	Soil	2017-07-28	BrendanMcCauley	711	569631	7039192	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Excellent	ForestMixed
202965	Soil	2017-07-28	BrendanMcCauley	716	569678	7039226	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepW	C	50	Moist	Excellent	ForestMixed
202966	Soil	2017-07-28	BrendanMcCauley	722	569731	7039238	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Excellent	ForestMixed
202967	Soil	2017-07-28	BrendanMcCauley	730	569764	7039252	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
202968	Soil	2017-07-28	BrendanMcCauley	744	569827	7039268	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
202969	Soil	2017-07-28	BrendanMcCauley	752	569869	7039284	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepW	C	60	Dry	Excellent	ForestMixed
202970	Soil	2017-07-28	BrendanMcCauley	762	569917	7039302	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202971	Soil	2017-07-28	BrendanMcCauley	779	569957	7039324	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	55	Moist	Excellent	ForestMixed
202972	Soil	2017-07-28	BrendanMcCauley	785	570025	7039327	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Excellent	ForestMixed
202973	Soil	2017-07-28	BrendanMcCauley	803	570056	7039350	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202974	Soil	2017-07-28	BrendanMcCauley	802	570095	7039359	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202975	Soil	2017-07-28	BrendanMcCauley	810	570145	7039382	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	45	Dry	Excellent	ForestMixed
202976	Soil	2017-07-28	BrendanMcCauley	814	570203	7039398	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202977	Soil	2017-07-28	BrendanMcCauley	826	570244	7039408	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed

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202978	Soil	2017-07-28	BrendanMcCauley	844	570293	7039434	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202979	Soil	2017-07-28	BrendanMcCauley	853	570342	7039445	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202980	Soil	2017-07-28	BrendanMcCauley	893	570395	7039463	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Excellent	ForestMixed
202981	Soil	2017-07-28	BrendanMcCauley	891	570450	7039478	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepW	C	45	Moist	Excellent	ForestMixed
202982	Soil	2017-07-28	BrendanMcCauley	902	570496	7039494	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
202983	Soil	2017-07-28	BrendanMcCauley	900	570530	7039507	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	45	Dry	Excellent	ForestMixed
202984	Soil	2017-07-28	BrendanMcCauley	887	570578	7039531	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
202985	Soil	2017-07-28	BrendanMcCauley	880	570635	7039550	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	55	Dry	Excellent	ForestMixed
202986	Soil	2017-07-28	BrendanMcCauley	877	570677	7039569	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
202987	Soil	2017-07-28	BrendanMcCauley	870	570731	7039583	UTMZ7N_WGS84	Colluvium	BrownDark	Silt	ModerateNE	C	60	Moist	Excellent	ForestMixed
202038	Soil	2017-07-28	OliverFekete	760	570071	7040089	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepN	C	20	Moist	Good	ForestMixed
204420	Soil	2017-07-28	OliverFekete	736	569994	7040169	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	30	Moist	Good	ForestMixed
204421	Soil	2017-07-28	OliverFekete	726	570039	7040194	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Moist	Good	ForestMixed
204422	Soil	2017-07-28	OliverFekete	715	570086	7040207	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	25	Moist	Good	ForestMixed
204423	Soil	2017-07-28	OliverFekete	722	570135	7040221	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
204424	Soil	2017-07-28	OliverFekete	739	570181	7040234	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestMixed
204425	Soil	2017-07-28	OliverFekete	750	570229	7040253	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNW	C	40	Moist	Excellent	ForestMixed
204426	Soil	2017-07-28	OliverFekete	755	570280	7040273	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Moist	Good	ForestMixed
204427	Soil	2017-07-28	OliverFekete	758	570323	7040284	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Frozen	Good	ForestMixed
204428	Soil	2017-07-28	OliverFekete	762	570391	7040307	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Wet	Good	ForestMixed
204429	Soil	2017-07-28	OliverFekete	769	570439	7040321	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
204430	Soil	2017-07-28	OliverFekete	773	570489	7040337	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Moist	Good	ForestMixed
204431	Soil	2017-07-28	OliverFekete	788	570516	7040228	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Moist	Excellent	ForestMixed
204432	Soil	2017-07-28	OliverFekete	785	570460	7040229	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
204433	Soil	2017-07-28	OliverFekete	784	570415	7040205	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	25	Moist	Good	ForestMixed
204434	Soil	2017-07-28	OliverFekete	777	570365	7040199	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestMixed
204435	Soil	2017-07-28	OliverFekete	757	570306	7040173	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	60	Moist	Excellent	ForestMixed
204436	Soil	2017-07-28	OliverFekete	790	570266	7040160	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNW	C	40	Moist	Excellent	ForestMixed
204437	Soil	2017-07-28	OliverFekete	774	570216	7040136	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Moist	Excellent	ForestMixed
204438	Soil	2017-07-28	OliverFekete	761	570167	7040124	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	60	Moist	Poor	ForestMixed
204439	Soil	2017-07-28	OliverFekete	748	570123	7040112	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepN	C	60	Moist	Excellent	ForestMixed
204445	Soil	2017-07-29	OliverFekete	497	569530	7041908	UTMZ7N_WGS84	Soil	Brown	Clay	ModerateSE	C	40	Moist	Good	ForestMixed
204446	Soil	2017-07-29	OliverFekete	478	569577	7041913	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	40	Moist	Good	ForestMixed
204447	Soil	2017-07-29	OliverFekete	492	569624	7041936	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	40	Moist	Good	ForestMixed

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204448	Soil	2017-07-29	OliverFekete	491	569672	7041953	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Frozen	Excellent	ForestMixed
204449	Soil	2017-07-29	OliverFekete	484	569721	7041969	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Moist	Good	ForestMixed
204450	Soil	2017-07-29	OliverFekete	475	569782	7041994	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	40	Wet	Good	ForestMixed
204451	Soil	2017-07-29	OliverFekete	462	569829	7042003	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Wet	Excellent	ForestMixed
204452	Soil	2017-07-29	OliverFekete	490	569855	7041911	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	50	Wet	Excellent	ForestMixed
204453	Soil	2017-07-29	OliverFekete	498	569814	7041893	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	80	Wet	Excellent	ForestMixed
204454	Soil	2017-07-29	OliverFekete	506	569754	7041875	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	60	Wet	Good	ForestMixed
204455	Soil	2017-07-29	OliverFekete	509	569703	7041859	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	50	Wet	Excellent	ForestMixed
204456	Soil	2017-07-29	OliverFekete	519	569651	7041843	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	40	Wet	Good	ForestMixed
204457	Soil	2017-07-29	OliverFekete	507	569598	7041821	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	60	Wet	Excellent	ForestMixed
204458	Soil	2017-07-29	OliverFekete	521	569563	7041802	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateS	C	40	Wet	Good	ForestMixed
201109	Soil	2017-07-29	CodyReeves	640	567966	7038636	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201110	Soil	2017-07-29	CodyReeves	648	568015	7038662	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201111	Soil	2017-07-29	CodyReeves	660	568064	7038677	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201112	Soil	2017-07-29	CodyReeves	662	568115	7038685	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201113	Soil	2017-07-29	CodyReeves	664	568174	7038708	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201114	Soil	2017-07-29	CodyReeves	670	568223	7038721	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	35	Frozen	Poor	ForestMixed
201115	Soil	2017-07-29	CodyReeves	669	568268	7038740	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201116	Soil	2017-07-29	CodyReeves	669	568312	7038756	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
201117	Soil	2017-07-29	CodyReeves	672	568357	7038774	UTMZ7N_WGS84	Lithosoil	Brown	Clay	RidgeAlpine	B	35	Frozen	Good	ForestMixed
201118	Soil	2017-07-29	CodyReeves	679	568410	7038795	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
201119	Soil	2017-07-29	CodyReeves	680	568468	7038801	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201120	Soil	2017-07-29	CodyReeves	679	568506	7038823	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201121	Soil	2017-07-29	CodyReeves	680	568554	7038837	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201122	Soil	2017-07-29	CodyReeves	678	568601	7038859	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
201123	Soil	2017-07-29	CodyReeves	682	568646	7038870	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	50	Moist	Good	ForestMixed
201124	Soil	2017-07-29	CodyReeves	668	568703	7038882	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	50	Frozen	Good	ForestMixed
201125	Soil	2017-07-29	CodyReeves	660	568749	7038900	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	35	Frozen	Poor	ForestMixed
201126	Soil	2017-07-29	CodyReeves	653	568794	7038918	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201127	Soil	2017-07-29	CodyReeves	644	568835	7038936	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201128	Soil	2017-07-29	CodyReeves	633	568885	7038946	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	C	65	Moist	Excellent	ForestMixed
201129	Soil	2017-07-29	CodyReeves	616	568946	7038972	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
201130	Soil	2017-07-29	CodyReeves	601	568999	7038986	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
201131	Soil	2017-07-29	CodyReeves	590	569040	7039001	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	ModerateNE	C	65	Moist	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201132	Soil	2017-07-29	CodyReeves	579	569089	7039019	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	B	40	Frozen	Good	ForestMixed
201133	Soil	2017-07-29	CodyReeves	575	569138	7039040	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Flat	B	35	Frozen	Good	ForestMixed
201134	Soil	2017-07-29	CodyReeves	585	569191	7039049	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201135	Soil	2017-07-29	CodyReeves	607	569231	7039063	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201136	Soil	2017-07-29	CodyReeves	625	569289	7039079	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201137	Soil	2017-07-29	CodyReeves	638	569331	7039099	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Moist	Good	ForestMixed
201138	Soil	2017-07-29	CodyReeves	648	569373	7039116	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
201139	Soil	2017-07-29	CodyReeves	663	569431	7039133	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Moist	Good	ForestMixed
201140	Soil	2017-07-29	CodyReeves	674	569481	7039154	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Moist	Excellent	ForestMixed
201141	Soil	2017-07-29	CodyReeves	681	569524	7039165	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Moist	Good	ForestMixed
202039	Soil	2017-07-28	KieranTompkins	526	569353	7041631	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepW	C	40	Dry	Good	ForestMixed
202040	Soil	2017-07-28	KieranTompkins	545	569413	7041634	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepW	C	45	Dry	Good	ForestMixed
202041	Soil	2017-07-29	KieranTompkins	550	569455	7041657	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
202042	Soil	2017-07-29	KieranTompkins	556	569496	7041672	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
202043	Soil	2017-07-29	KieranTompkins	554	569545	7041691	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	60	Frozen	Good	ForestMixed
202044	Soil	2017-07-29	KieranTompkins	557	569596	7041710	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	45	Moist	Good	ForestMixed
202045	Soil	2017-07-29	KieranTompkins	548	569640	7041725	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
202046	Soil	2017-07-29	KieranTompkins	556	569688	7041736	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	B	40	Wet	Good	ForestMixed
202047	Soil	2017-07-29	KieranTompkins	544	569741	7041756	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Moist	Good	ForestMixed
202048	Soil	2017-07-29	KieranTompkins	547	569784	7041771	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	35	Moist	Good	ForestMixed
202049	Soil	2017-07-29	KieranTompkins	539	569839	7041793	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	50	Dry	Good	ForestMixed
202050	Soil	2017-07-29	KieranTompkins	538	569896	7041811	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	65	Moist	Good	ForestMixed
202051	Soil	2017-07-29	KieranTompkins	564	569918	7041733	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
202052	Soil	2017-07-29	KieranTompkins	570	569877	7041701	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
202053	Soil	2017-07-29	KieranTompkins	571	569827	7041680	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	60	Moist	Good	ForestMixed
202054	Soil	2017-07-29	KieranTompkins	579	569775	7041666	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Moist	Good	ForestMixed
202055	Soil	2017-07-29	KieranTompkins	576	569729	7041649	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202056	Soil	2017-07-29	KieranTompkins	579	569677	7041630	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	35	Moist	Good	ForestMixed
202057	Soil	2017-07-29	KieranTompkins	578	569630	7041610	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202058	Soil	2017-07-29	KieranTompkins	564	569581	7041594	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202059	Soil	2017-07-29	KieranTompkins	563	569535	7041578	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202060	Soil	2017-07-29	KieranTompkins	565	569494	7041557	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
202061	Soil	2017-07-29	KieranTompkins	551	569456	7041542	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202062	Soil	2017-07-29	KieranTompkins	530	569391	7041532	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202063	Soil	2017-07-29	KieranTompkins	549	569409	7041451	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	C	40	Moist	Good	ForestMixed
202064	Soil	2017-07-29	KieranTompkins	574	569472	7041451	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
202065	Soil	2017-07-29	KieranTompkins	586	569513	7041474	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202066	Soil	2017-07-29	KieranTompkins	587	569568	7041487	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202067	Soil	2017-07-29	KieranTompkins	604	569603	7041497	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	35	Moist	Good	ForestMixed
202068	Soil	2017-07-29	KieranTompkins	612	569661	7041508	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202069	Soil	2017-07-29	KieranTompkins	606	569707	7041530	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Moist	Good	ForestMixed
202070	Soil	2017-07-29	KieranTompkins	607	569747	7041547	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	ForestMixed
202071	Soil	2017-07-29	KieranTompkins	611	569801	7041569	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
202072	Soil	2017-07-29	KieranTompkins	608	569848	7041581	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
202073	Soil	2017-07-29	KieranTompkins	601	569902	7041599	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestMixed
202074	Soil	2017-07-29	KieranTompkins	596	569947	7041615	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
202075	Soil	2017-07-29	KieranTompkins	611	569968	7041524	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestBlackSpruce
202076	Soil	2017-07-29	KieranTompkins	620	569941	7041511	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Moist	Good	ForestBlackSpruce
202077	Soil	2017-07-29	KieranTompkins	624	569883	7041484	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	30	Moist	Good	ForestBlackSpruce
202078	Soil	2017-07-29	KieranTompkins	632	569828	7041467	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	30	Dry	Good	ForestBlackSpruce
202079	Soil	2017-07-29	KieranTompkins	627	569782	7041455	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Good	ForestBlackSpruce
202080	Soil	2017-07-29	KieranTompkins	622	569735	7041444	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	50	Moist	Good	ForestBlackSpruce
202081	Soil	2017-07-29	KieranTompkins	475	569370	7041733	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	60	Moist	Good	ForestMixed
202082	Soil	2017-07-29	KieranTompkins		569424	7041766	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestBlackSpruce
203979	Soil	2017-07-29	DylanWales	630	570092	7041242	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
203980	Soil	2017-07-29	DylanWales	645	570030	7041228	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203981	Soil	2017-07-29	DylanWales	664	569982	7041208	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203982	Soil	2017-07-29	DylanWales	702	569935	7041195	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203983	Soil	2017-07-29	DylanWales	704	569882	7041179	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	20	Dry	Good	ForestMixed
203984	Soil	2017-07-29	DylanWales	703	569831	7041158	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	20	Dry	Good	ForestMixed
203985	Soil	2017-07-29	DylanWales	683	569783	7041141	UTMZ7N_WGS84	Soil	BrownLight	Silt		C	20	Dry	Excellent	ForestMixed
203986	Soil	2017-07-29	DylanWales	687	569737	7041119	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Good	ForestMixed
203987	Soil	2017-07-29	DylanWales	671	569691	7041115	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
203988	Soil	2017-07-29	DylanWales	661	569644	7041091	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203989	Soil	2017-07-29	DylanWales	653	569599	7041080	UTMZ7N_WGS84	Lithosoil	Brown	Clay		C	30	Dry	Good	ForestMixed
203990	Soil	2017-07-29	DylanWales	645	569554	7041064	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203991	Soil	2017-07-29	DylanWales	628	569516	7041163	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
203992	Soil	2017-07-29	DylanWales	629	569561	7041169	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203993	Soil	2017-07-29	DylanWales	638	569616	7041185	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203994	Soil	2017-07-29	DylanWales	645	569664	7041210	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
203995	Soil	2017-07-29	DylanWales	667	569707	7041219	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	40	Dry	Excellent	ForestMixed
203996	Soil	2017-07-29	DylanWales	683	569752	7041238	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
203997	Soil	2017-07-29	DylanWales	664	569795	7041249	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		B	30	Dry	Good	ForestMixed
203998	Soil	2017-07-29	DylanWales	687	569853	7041260	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Good	ForestMixed
203999	Soil	2017-07-29	DylanWales	682	569897	7041287	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204000	Soil	2017-07-29	DylanWales	680	569948	7041303	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Good	ForestMixed
204001	Soil	2017-07-29	DylanWales	667	570012	7041314	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	30	Dry	Excellent	ForestMixed
204002	Soil	2017-07-29	DylanWales	654	570051	7041341	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204003	Soil	2017-07-29	DylanWales	635	570012	7041439	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204004	Soil	2017-07-29	DylanWales	642	569966	7041423	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	30	Dry	Excellent	ForestMixed
204005	Soil	2017-07-29	DylanWales	656	569923	7041398	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Good	ForestMixed
204006	Soil	2017-07-29	DylanWales	664	569867	7041378	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	40	Moist	Excellent	ForestMixed
202883	Soil	2017-07-29	BrendanMcCauley	665	568386	7038879	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	B	40	Moist	Good	ForestMixed
202884	Soil	2017-07-29	BrendanMcCauley	666	568430	7038884	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	B	45	Dry	Good	ForestMixed
202885	Soil	2017-07-29	BrendanMcCauley	665	568471	7038920	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	B	60	Moist	Good	ForestMixed
202886	Soil	2017-07-29	BrendanMcCauley	672	568522	7038930	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	55	Moist	Excellent	ForestMixed
202887	Soil	2017-07-29	BrendanMcCauley	663	568620	7038965	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	60	Moist	Excellent	ForestMixed
202888	Soil	2017-07-29	BrendanMcCauley	658	568671	7038986	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	B	40	Moist	Good	ForestMixed
202889	Soil	2017-07-29	BrendanMcCauley	650	568716	7039000	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	B	50	Frozen	Poor	ForestMixed
202890	Soil	2017-07-29	BrendanMcCauley	634	568764	7039016	UTMZ7N_WGS84	Soil	Blue	Silt	SteepE	B	50	Moist	Excellent	ForestMixed
202891	Soil	2017-07-29	BrendanMcCauley	623	568813	7039030	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Excellent	ForestMixed
202892	Soil	2017-07-29	BrendanMcCauley	599	568858	7039053	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepE	C	50	Moist	Excellent	ForestMixed
202893	Soil	2017-07-29	BrendanMcCauley	600	568914	7039070	UTMZ7N_WGS84	Colluvium	Brown	Silt	Drainage	C	60	Moist	Excellent	ForestMixed
202894	Soil	2017-07-29	BrendanMcCauley	586	568967	7039090	UTMZ7N_WGS84	Soil	Brown	Sand	SteepE	C	55	Moist	Excellent	ForestMixed
202895	Soil	2017-07-29	BrendanMcCauley	575	569008	7039097	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Moist	Good	ForestMixed
202896	Soil	2017-07-29	BrendanMcCauley	569	569062	7039122	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	45	Moist	Good	ForestMixed
202897	Soil	2017-07-29	BrendanMcCauley	583	569107	7039136	UTMZ7N_WGS84	Soil	Brown	Silt	Swamp	B	40	Moist	Good	ForestMixed
202898	Soil	2017-07-29	BrendanMcCauley	601	569160	7039155	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	80	Wet	Good	ForestMixed
202899	Soil	2017-07-29	BrendanMcCauley	617	569208	7039163	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Good	ForestMixed
202900	Soil	2017-07-29	BrendanMcCauley	620	569241	7039174	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Good	ForestMixed
202901	Soil	2017-07-29	BrendanMcCauley	636	569305	7039203	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
202902	Soil	2017-07-29	BrendanMcCauley	638	569349	7039215	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Moist	Excellent	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202903	Soil	2017-07-29	BrendanMcCauley	658	569413	7039225	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Excellent	ForestMixed
202904	Soil	2017-07-29	BrendanMcCauley	661	569443	7039239	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Moist	Good	ForestMixed
202905	Soil	2017-07-29	BrendanMcCauley	668	569495	7039245	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
202990	Soil	2017-07-29	BrendanMcCauley	638	567948	7038748	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202991	Soil	2017-07-29	BrendanMcCauley	635	567993	7038751	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
202992	Soil	2017-07-29	BrendanMcCauley	637	568032	7038766	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Excellent	ForestMixed
202993	Soil	2017-07-29	BrendanMcCauley	645	568091	7038788	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
202994	Soil	2017-07-29	BrendanMcCauley	649	568150	7038798	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
202995	Soil	2017-07-29	BrendanMcCauley	643	568196	7038816	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	B	50	Frozen	Good	ForestMixed
203061	Soil	2017-07-31	BrendanMcCauley	676	566898	7040796	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203062	Soil	2017-07-31	BrendanMcCauley	652	566917	7040892	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203063	Soil	2017-07-31	BrendanMcCauley	634	566945	7041006	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203064	Soil	2017-07-31	BrendanMcCauley	623	566974	7041101	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203065	Soil	2017-07-31	BrendanMcCauley	603	567003	7041205	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	60	Dry	Excellent	ForestMixed
203066	Soil	2017-07-31	BrendanMcCauley	582	567038	7041311	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203067	Soil	2017-07-31	BrendanMcCauley	559	567061	7041410	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
203068	Soil	2017-07-31	BrendanMcCauley	545	567077	7041519	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
203069	Soil	2017-07-31	BrendanMcCauley	512	567104	7041617	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203070	Soil	2017-07-31	BrendanMcCauley	477	567146	7041727	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
203071	Soil	2017-07-31	BrendanMcCauley	455	567156	7041826	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
202117	Soil	2017-07-31	KieranTompkins	776	566706	7039888	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202118	Soil	2017-07-31	KieranTompkins	773	566734	7039850	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202119	Soil	2017-07-31	KieranTompkins	765	566786	7039813	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202120	Soil	2017-07-31	KieranTompkins	764	566837	7039796	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	30	Dry	Good	ForestMixed
202121	Soil	2017-07-31	KieranTompkins	747	566875	7039745	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepSE	C	40	Dry	Good	ForestBlackSpruce
202122	Soil	2017-07-31	KieranTompkins	736	566925	7039705	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202123	Soil	2017-07-31	KieranTompkins	723	566966	7039666	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
202124	Soil	2017-07-31	KieranTompkins	712	567012	7039622	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202125	Soil	2017-07-31	KieranTompkins		567052	7039598	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202126	Soil	2017-07-31	KieranTompkins	698	567093	7039553	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	30	Dry	Good	ForestBlackSpruce
202138	Soil	2017-07-31	KieranTompkins	554	567611	7039123	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Moist	Good	ForestBlackSpruce
202139	Soil	2017-07-31	KieranTompkins	527	567671	7039091	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	60	Moist	Good	ForestBlackSpruce
201175	Soil	2017-07-31	CodyReeves	777	566663	7039913	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201176	Soil	2017-07-31	CodyReeves	772	566686	7040010	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201177	Soil	2017-07-31	CodyReeves	760	566711	7040112	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
201178	Soil	2017-07-31	CodyReeves	760	566734	7040214	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
201179	Soil	2017-07-31	CodyReeves	738	566770	7040327	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
201180	Soil	2017-07-31	CodyReeves	723	566797	7040424	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
201181	Soil	2017-07-31	CodyReeves	702	566823	7040531	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201182	Soil	2017-07-31	CodyReeves	691	566851	7040634	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201183	Soil	2017-07-31	CodyReeves	676	566876	7040734	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Moist	Good	ForestMixed
201184	Soil	2017-07-31	CodyReeves	672	566910	7040837	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Dry	Good	ForestMixed
201185	Soil	2017-07-31	CodyReeves	636	566935	7040943	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201186	Soil	2017-07-31	CodyReeves	624	566963	7041048	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201187	Soil	2017-07-31	CodyReeves	610	566981	7041152	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	40	Dry	Good	ForestMixed
201188	Soil	2017-07-31	CodyReeves	590	567010	7041260	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Moist	Good	ForestMixed
201189	Soil	2017-07-31	CodyReeves	565	567038	7041364	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201190	Soil	2017-07-31	CodyReeves	549	567065	7041462	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201191	Soil	2017-07-31	CodyReeves	520	567095	7041568	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201192	Soil	2017-07-31	CodyReeves	495	567121	7041672	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201193	Soil	2017-07-31	CodyReeves	472	567148	7041775	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201194	Soil	2017-07-31	CodyReeves	457	567177	7041878	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
204475	Soil	2017-07-31	OliverFekete	759	566790	7040130	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	50	Moist	Excellent	ForestMixed
204476	Soil	2017-07-31	OliverFekete	735	566845	7040141	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	45	Dry	Excellent	ForestMixed
204477	Soil	2017-07-31	OliverFekete	718	566904	7040152	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	80	Dry	Excellent	ForestMixed
204478	Soil	2017-07-31	OliverFekete	694	566969	7040165	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	25	Dry	Excellent	ForestMixed
201221	Soil	2017-08-01	CodyReeves	573	568988	7039194	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Flat	B	40	Frozen	Good	ForestMixed
201222	Soil	2017-08-01	CodyReeves	563	569033	7039210	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Drainage	B	40	Frozen	Poor	ForestMixed
201223	Soil	2017-08-01	CodyReeves	579	569087	7039227	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201224	Soil	2017-08-01	CodyReeves	593	569121	7039245	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	ForestMixed
201225	Soil	2017-08-01	CodyReeves	608	569170	7039260	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Moist	Good	ForestMixed
201226	Soil	2017-08-01	CodyReeves	615	569229	7039280	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	50	Moist	Good	ForestMixed
201227	Soil	2017-08-01	CodyReeves	622	569272	7039291	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	ForestMixed
201228	Soil	2017-08-01	CodyReeves	629	569319	7039311	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	ForestMixed
201229	Soil	2017-08-01	CodyReeves	637	569365	7039324	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Drainage	C	45	Moist	Good	DrainageAlder
201230	Soil	2017-08-01	CodyReeves	645	569405	7039343	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	ForestBlackSpruce
201231	Soil	2017-08-01	CodyReeves	653	569458	7039355	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	65	Dry	Excellent	ForestMixed
202140	Soil	2017-07-01	KieranTompkins	855	570235	7039302	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202141	Soil	2017-07-01	KieranTompkins	839	570183	7039289	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	40	Dry	Good	ForestMixed
202142	Soil	2017-07-01	KieranTompkins	826	570142	7039278	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Dry	Good	ForestMixed
202143	Soil	2017-07-01	KieranTompkins	811	570089	7039253	UTMZ7N_WGS84	Soil	Brown		ModerateW	C	35	Dry	Good	ForestMixed
202144	Soil	2017-07-01	KieranTompkins	802	570039	7039241	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	50	Wet	Good	ForestMixed
202145	Soil	2017-07-01	KieranTompkins	789	569993	7039221	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Good	ForestMixed
202146	Soil	2017-07-01	KieranTompkins	776	569937	7039200	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	40	Dry	Good	ForestMixed
202147	Soil	2017-07-01	KieranTompkins	768	569892	7039194	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	40	Moist	Good	ForestMixed
202148	Soil	2017-07-01	KieranTompkins	766	569853	7039171	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
202149	Soil	2017-07-01	KieranTompkins	758	569797	7039151	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Moist	Good	ForestMixed
202150	Soil	2017-07-01	KieranTompkins	748	569762	7039139	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
202151	Soil	2017-07-01	KieranTompkins	733	569716	7039124	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	50	Moist	Good	ForestMixed
202152	Soil	2017-07-01	KieranTompkins	734	569656	7039096	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateW	C	50	Moist	Good	ForestMixed
202153	Soil	2017-07-01	KieranTompkins	707	569618	7039086	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
202154	Soil	2017-07-01	KieranTompkins	722	569685	7038910	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
202155	Soil	2017-07-01	KieranTompkins	740	569742	7038912	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
202156	Soil	2017-07-01	KieranTompkins	754	569778	7038916	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	30	Moist	Good	ForestMixed
202157	Soil	2017-07-01	KieranTompkins	758	569828	7038939	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	35	Moist	Good	ForestMixed
202158	Soil	2017-07-01	KieranTompkins	769	569863	7038968	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
202159	Soil	2017-07-01	KieranTompkins	793	569924	7038980	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
202160	Soil	2017-07-01	KieranTompkins	805	569963	7039000	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
202161	Soil	2017-07-01	KieranTompkins	814	570015	7039013	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
202162	Soil	2017-07-01	KieranTompkins	825	570056	7039038	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestMixed
202163	Soil	2017-07-01	KieranTompkins	834	570104	7039042	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestMixed
202164	Soil	2017-07-01	KieranTompkins	846	570158	7039063	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
202165	Soil	2017-07-01	KieranTompkins	845	570204	7039081	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
202166	Soil	2017-07-01	KieranTompkins	849	570254	7039096	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
202167	Soil	2017-07-01	KieranTompkins	846	570297	7039111	UTMZ7N_WGS84	Soil	Brown		ModerateW	C	40	Moist	Good	ForestBlackSpruce
202168	Soil	2017-07-01	KieranTompkins	865	570349	7039128	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Dry	Good	ForestBlackSpruce
202169	Soil	2017-07-01	KieranTompkins	867	570394	7039144	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateW	C	40	Dry	Good	ForestBlackSpruce
202170	Soil	2017-07-01	KieranTompkins	875	570442	7039163	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	C	40	Dry	Good	ForestBlackSpruce
202171	Soil	2017-07-01	KieranTompkins	874	570493	7039169	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Dry	Good	ForestBlackSpruce
202172	Soil	2017-07-01	KieranTompkins	884	570541	7039193	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Dry	Good	ForestBirch
202173	Soil	2017-07-01	KieranTompkins	875	570586	7039200	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestBirch
202174	Soil	2017-07-01	KieranTompkins	871	570630	7039223	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Dry	Good	ForestMixed

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202175	Soil	2017-07-01	KieranTompkins	869	570680	7039235	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
202176	Soil	2017-07-01	KieranTompkins	855	570738	7039255	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
202177	Soil	2017-07-01	KieranTompkins	857	570770	7039287	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
202178	Soil	2017-08-01	KieranTompkins	854	570833	7039285	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestMixed
202179	Soil	2017-08-01	KieranTompkins	870	570755	7039479	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Moist	Good	ForestMixed
202180	Soil	2017-08-01	KieranTompkins	878	570714	7039459	UTMZ7N_WGS84	Soil	Brown	Silt	SteepSE	C	40	Moist	Good	ForestMixed
202181	Soil	2017-08-01	KieranTompkins	896	570662	7039443	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Moist	Good	ForestBlackSpruce
202182	Soil	2017-08-01	KieranTompkins	903	570620	7039442	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
202183	Soil	2017-08-01	KieranTompkins	903	570569	7039404	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	ForestBlackSpruce
202184	Soil	2017-08-01	KieranTompkins	903	570516	7039390	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
202185	Soil	2017-08-01	KieranTompkins	901	570479	7039380	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	ForestBlackSpruce
202186	Soil	2017-08-01	KieranTompkins	894	570430	7039362	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Good	ForestBlackSpruce
202187	Soil	2017-08-01	KieranTompkins	874	570383	7039357	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	35	Dry	Good	ForestMixed
202188	Soil	2017-08-01	KieranTompkins	861	570337	7039328	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	50	Dry	Good	ForestMixed
202189	Soil	2017-08-01	KieranTompkins	852	570282	7039315	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Dry	Good	ForestMixed
203073	Soil	2017-08-01	BrendanMcCauley	849	570213	7039196	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Moist	Excellent	ForestMixed
203074	Soil	2017-08-01	BrendanMcCauley	833	570171	7039173	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateW	C	40	Moist	Excellent	ForestMixed
203075	Soil	2017-08-01	BrendanMcCauley	831	570120	7039158	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Wet	Excellent	ForestMixed
203076	Soil	2017-08-01	BrendanMcCauley	814	570068	7039144	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Wet	Excellent	ForestMixed
203077	Soil	2017-08-01	BrendanMcCauley		570028	7039126	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Moist	Excellent	ForestMixed
204479	Soil	2017-07-31	OliverFekete	680	567023	7040170	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	50	Dry	Excellent	ForestMixed
204480	Soil	2017-07-31	OliverFekete	664	567077	7040185	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
204481	Soil	2017-07-31	OliverFekete	659	567143	7040199	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	45	Dry	Excellent	ForestMixed
204482	Soil	2017-07-31	OliverFekete	654	567197	7040204	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	60	Dry	Excellent	ForestMixed
204483	Soil	2017-07-31	OliverFekete	637	567262	7040212	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	40	Dry	Excellent	ForestMixed
204484	Soil	2017-07-31	OliverFekete	632	567320	7040234	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	80	Dry	Excellent	ForestMixed
204485	Soil	2017-07-31	OliverFekete	626	567378	7040232	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW		25	Dry	Good	ForestMixed
201195	Soil	2017-08-01	CodyReeves	738	569960	7040270	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201196	Soil	2017-08-01	CodyReeves	727	570008	7040277	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201197	Soil	2017-08-01	CodyReeves	710	570047	7040298	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201198	Soil	2017-08-01	CodyReeves	696	570099	7040321	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	65	Wet	Excellent	ForestMixed
203078	Soil	2017-08-01	BrendanMcCauley	797	569979	7039123	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
203079	Soil	2017-08-01	BrendanMcCauley	786	569928	7039090	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
203080	Soil	2017-08-01	BrendanMcCauley	774	569869	7039082	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Excellent	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203081	Soil	2017-08-01	BrendanMcCauley	769	569844	7039073	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Moist	Good	ForestMixed
203082	Soil	2017-08-01	BrendanMcCauley	752	569777	7039038	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed
203083	Soil	2017-08-01	BrendanMcCauley	742	569742	7039030	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	60	Moist	Excellent	ForestMixed
203084	Soil	2017-08-01	BrendanMcCauley	724	569695	7039011	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Good	ForestMixed
203085	Soil	2017-08-01	BrendanMcCauley	724	569640	7039010	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Good	ForestMixed
203086	Soil	2017-08-01	BrendanMcCauley	753	569708	7038818	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
203087	Soil	2017-08-01	BrendanMcCauley	764	569769	7038805	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Good	ForestMixed
203088	Soil	2017-08-01	BrendanMcCauley	764	569802	7038840	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	30	Dry	Poor	ForestMixed
203089	Soil	2017-08-01	BrendanMcCauley	776	569856	7038854	UTMZ7N_WGS84	Soil	Blue	Silt	SteepW	B	35	Dry	Poor	ForestMixed
203090	Soil	2017-08-01	BrendanMcCauley	813	569904	7038879	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	30	Dry	Good	ForestMixed
203091	Soil	2017-08-01	BrendanMcCauley	809	569944	7038890	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Good	ForestMixed
203092	Soil	2017-08-01	BrendanMcCauley	823	569990	7038913	UTMZ7N_WGS84	Soil	Brown	Sand	SteepW	C	50	Dry	Excellent	ForestMixed
203093	Soil	2017-08-01	BrendanMcCauley	830	570043	7038908	UTMZ7N_WGS84	Colluvium	Blue	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203094	Soil	2017-08-01	BrendanMcCauley	834	570096	7038937	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
203095	Soil	2017-08-01	BrendanMcCauley	839	570131	7038953	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
203096	Soil	2017-08-01	BrendanMcCauley	846	570186	7038969	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203097	Soil	2017-08-01	BrendanMcCauley	848	570224	7038986	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	50	Dry	Excellent	ForestMixed
203098	Soil	2017-08-01	BrendanMcCauley	846	570285	7039000	UTMZ7N_WGS84	Soil	Blue	Silt	SteepW	C	30	Dry	Excellent	ForestMixed
203099	Soil	2017-08-01	BrendanMcCauley	847	570338	7039005	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	B	40	Dry	Good	ForestMixed
203100	Soil	2017-08-01	BrendanMcCauley	847	570376	7039026	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	50	Dry	Excellent	ForestMixed
203101	Soil	2017-08-01	BrendanMcCauley	846	570431	7039047	UTMZ7N_WGS84	Soil	Blue	Silt	Flat	C	40	Dry	Excellent	ForestMixed
203102	Soil	2017-08-01	BrendanMcCauley	851	570470	7039063	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	35	Dry	Good	ForestMixed
203103	Soil	2017-08-01	BrendanMcCauley	855	570526	7039069	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
203104	Soil	2017-08-01	BrendanMcCauley	859	570558	7039097	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Excellent	ForestMixed
203105	Soil	2017-08-01	BrendanMcCauley	860	570613	7039112	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	30	Dry	Good	ForestMixed
203106	Soil	2017-08-01	BrendanMcCauley	854	570671	7039126	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	45	Dry	Excellent	ForestMixed
203107	Soil	2017-08-01	BrendanMcCauley	835	570720	7039140	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	50	Moist	Excellent	ForestMixed
203108	Soil	2017-08-01	BrendanMcCauley	823	570774	7039163	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed
203109	Soil	2017-08-01	BrendanMcCauley	808	570814	7039175	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	45	Dry	Good	ForestMixed
203110	Soil	2017-08-01	BrendanMcCauley	810	570860	7039189	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed
203111	Soil	2017-08-01	BrendanMcCauley	875	570791	7039388	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	30	Moist	Good	ForestMixed
203112	Soil	2017-08-01	BrendanMcCauley	886	570754	7039365	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Moist	Excellent	ForestMixed
203113	Soil	2017-08-01	BrendanMcCauley	900	570703	7039365	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Excellent	ForestMixed
203114	Soil	2017-08-01	BrendanMcCauley	911	570658	7039348	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203115	Soil	2017-08-01	BrendanMcCauley	898	570593	7039329	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed
203116	Soil	2017-08-01	BrendanMcCauley	904	570559	7039295	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	50	Dry	Excellent	ForestMixed
203117	Soil	2017-08-01	BrendanMcCauley	916	570506	7039278	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	45	Dry	Excellent	ForestMixed
203118	Soil	2017-08-01	BrendanMcCauley	900	570460	7039273	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Moist	Good	ForestMixed
201232	Soil	2017-08-02	CodyReeves	715	568149	7037182	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Dry	Excellent	ForestMixed
201233	Soil	2017-08-02	CodyReeves	723	568106	7037218	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201234	Soil	2017-08-02	CodyReeves	727	568065	7037240	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	55	Dry	Excellent	ForestMixed
201235	Soil	2017-08-02	CodyReeves	729	568026	7037272	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	60	Dry	Excellent	ForestMixed
201236	Soil	2017-08-02	CodyReeves	729	567976	7037303	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
204440	Soil	2017-07-29	OliverFekete	474	569294	7041808	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepSE	C	30	Dry	Good	ForestMixed
204441	Soil	2017-07-29	OliverFekete	493	569337	7041830	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	50	Dry	Good	ForestMixed
204442	Soil	2017-07-29	OliverFekete	495	569394	7041845	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	20	Moist	Good	ForestMixed
204443	Soil	2017-07-29	OliverFekete	495	569443	7041870	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	80	Moist	Good	ForestMixed
204444	Soil	2017-07-29	OliverFekete	494	569484	7041891	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSE	C	40	Moist	Good	ForestMixed
201034	Soil	2017-07-27	CodyReeves	630	568217	7038931	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
201035	Soil	2017-07-27	CodyReeves	617	568161	7038921	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	35	Frozen	Good	ForestMixed
201036	Soil	2017-07-27	CodyReeves	612	568111	7038904	UTMZ7N_WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	45	Frozen	Good	ForestMixed
201037	Soil	2017-07-27	CodyReeves	611	568054	7038887	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201038	Soil	2017-07-27	CodyReeves	606	568002	7038873	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201039	Soil	2017-07-27	CodyReeves	608	567951	7038857	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201040	Soil	2017-07-27	CodyReeves	610	567908	7038842	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201041	Soil	2017-07-27	CodyReeves	557	567694	7039501	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	C	45	Moist	Good	ForestMixed
201042	Soil	2017-07-27	CodyReeves	537	567740	7039513	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	50	Frozen	Good	ForestMixed
201043	Soil	2017-07-27	CodyReeves	527	567791	7039527	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Frozen	Good	ForestMixed
201044	Soil	2017-07-27	CodyReeves	522	567842	7039559	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	RidgeAlpine	B	40	Frozen	Good	ForestMixed
202996	Soil	2017-07-28	BrendanMcCauley	832	570638	7039861	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateN	C	50	Moist	Excellent	ForestMixed
202997	Soil	2017-07-28	BrendanMcCauley	844	570595	7039849	UTMZ7N_WGS84	Soil	Brown	Sand	ModerateN	C	50	Moist	Good	ForestMixed
202998	Soil	2017-07-28	BrendanMcCauley	851	570539	7039833	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
202999	Soil	2017-07-28	BrendanMcCauley	848	570496	7039824	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	25	Moist	Good	ForestMixed
203000	Soil	2017-07-28	BrendanMcCauley	859	570436	7039800	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	30	Moist	Excellent	ForestMixed
203001	Soil	2017-07-28	BrendanMcCauley	861	570388	7039778	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	45	Dry	Excellent	ForestMixed
203002	Soil	2017-07-28	BrendanMcCauley	857	570340	7039764	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
203003	Soil	2017-07-28	BrendanMcCauley	860	570295	7039747	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
203004	Soil	2017-07-28	BrendanMcCauley	856	570254	7039726	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed

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203005	Soil	2017-07-28	BrendanMcCauley	848	570186	7039705	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	30	Dry	Excellent	ForestMixed
203006	Soil	2017-07-28	BrendanMcCauley	845	570157	7039702	UTMZ7N_WGS84	Soil	Black	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
204007	Soil	2017-07-29	DylanWales	659	569810	7041368	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Moist	Good	ForestMixed
204008	Soil	2017-07-29	DylanWales	655	569773	7041350	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204009	Soil	2017-07-29	DylanWales	656	569723	7041343	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204010	Soil	2017-07-29	DylanWales	654	569675	7041321	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204011	Soil	2017-07-29	DylanWales	638	569627	7041306	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204012	Soil	2017-07-29	DylanWales	617	569576	7041297	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	30	Dry	Good	ForestMixed
204013	Soil	2017-07-29	DylanWales	612	569541	7041270	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	40	Dry	Excellent	ForestMixed
204014	Soil	2017-07-29	DylanWales	609	569487	7041248	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
204015	Soil	2017-07-29	DylanWales	586	569442	7041354	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	40	Dry	Excellent	ForestMixed
204016	Soil	2017-07-29	DylanWales	581	569496	7041366	UTMZ7N_WGS84	Colluvium	BrownDark	Sand		C	50	Moist	Good	ForestMixed
204017	Soil	2017-07-29	DylanWales	586	569545	7041379	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204018	Soil	2017-07-29	DylanWales	593	569595	7041394	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204019	Soil	2017-07-29	DylanWales	606	569648	7041404	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204020	Soil	2017-07-29	DylanWales	616	569693	7041431	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204021	Soil	2017-07-29	DylanWales	488	569323	7041720	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
204022	Soil	2017-07-29	DylanWales	521	569468	7041768	UTMZ7N_WGS84	Soil	BrownDark	Clay		B	40	Frozen	Poor	ForestMixed
202880	Soil	2017-07-29	BrendanMcCauley	645	568238	7038836	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	B	40	Frozen	Good	ForestMixed
202881	Soil	2017-07-29	BrendanMcCauley	654	568277	7038857	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNW	B	30	Frozen	Good	ForestMixed
202882	Soil	2017-07-29	BrendanMcCauley	659	568329	7038866	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	B	60	Frozen	Good	ForestMixed
202127	Soil	2017-07-31	KieranTompkins	692	567143	7039533	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	40	Dry	Good	ForestBlackSpruce
202128	Soil	2017-07-31	KieranTompkins	683	567187	7039485	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
202129	Soil	2017-07-31	KieranTompkins	676	567221	7039448	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
202130	Soil	2017-07-31	KieranTompkins	664	567277	7039426	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestBlackSpruce
202131	Soil	2017-07-31	KieranTompkins	647	567333	7039392	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestBlackSpruce
202132	Soil	2017-07-31	KieranTompkins	628	567363	7039354	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
202133	Soil	2017-07-31	KieranTompkins	626	567401	7039311	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestBlackSpruce
202134	Soil	2017-07-31	KieranTompkins	602	567458	7039280	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestBlackSpruce
202135	Soil	2017-07-31	KieranTompkins	585	567489	7039234	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestBlackSpruce
202136	Soil	2017-07-31	KieranTompkins	574	567535	7039203	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
202137	Soil	2017-07-31	KieranTompkins	560	567583	7039155	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBlackSpruce
201199	Soil	2017-08-01	CodyReeves	706	570144	7040339	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	SteepE	C	65	Moist	Excellent	ForestMixed
201200	Soil	2017-08-01	CodyReeves	719	570198	7040344	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	SteepE	C	55	Dry	Excellent	ForestMixed

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201201	Soil	2017-08-01	CodyReeves	729	570245	7040361	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	55	Moist	Excellent	ForestMixed
201202	Soil	2017-08-01	CodyReeves	734	570291	7040376	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Moist	Excellent	ForestMixed
201203	Soil	2017-08-01	CodyReeves	750	570362	7040397	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	Ridge	C	45	Moist	Good	ForestMixed
201204	Soil	2017-08-01	CodyReeves	753	570409	7040409	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
201205	Soil	2017-08-01	CodyReeves	748	570460	7040428	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Moist	Good	ForestMixed
201206	Soil	2017-08-01	CodyReeves	618	569425	7039473	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Drainage	C	40	Moist	Good	ForestMixed
201207	Soil	2017-08-01	CodyReeves	613	569366	7039439	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
201208	Soil	2017-08-01	CodyReeves	626	569330	7039415	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	70	Dry	Excellent	ForestMixed
201209	Soil	2017-08-01	CodyReeves	629	569282	7039398	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	65	Dry	Excellent	ForestMixed
201210	Soil	2017-08-01	CodyReeves	627	569234	7039386	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
201211	Soil	2017-08-01	CodyReeves	611	569182	7039369	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201212	Soil	2017-08-01	CodyReeves	595	569143	7039356	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateNW	C	50	Moist	Good	ForestMixed
201213	Soil	2017-08-01	CodyReeves	592	569085	7039341	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Good	ForestMixed
201214	Soil	2017-08-01	CodyReeves	586	569040	7039328	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	ModerateNW	C	45	Dry	Good	ForestMixed
201215	Soil	2017-08-01	CodyReeves	578	568995	7039305	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Flat	C	45	Moist	Good	ForestMixed
201216	Soil	2017-08-01	CodyReeves	566	568956	7039285	UTMZ7N_WGS84	Lithosoil	BrownDark	Silt	Flat	B	40	Frozen	Good	ForestMixed
201217	Soil	2017-08-01	CodyReeves	560	568899	7039279	UTMZ7N_WGS84	Lithosoil	BrownDark	Sand	Ridge	C	45	Dry	Good	ForestMixed
201218	Soil	2017-08-01	CodyReeves	579	568855	7039257	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	45	Moist	Good	ForestMixed
201219	Soil	2017-08-01	CodyReeves	590	568892	7039172	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	50	Dry	Good	ForestMixed
201220	Soil	2017-08-01	CodyReeves	588	568933	7039183	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Moist	Excellent	ForestMixed
201237	Soil	2017-08-02	CodyReeves	729	567952	7037338	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201238	Soil	2017-08-02	CodyReeves	723	567898	7037377	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
201239	Soil	2017-08-02	CodyReeves	728	567864	7037393	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201240	Soil	2017-08-02	CodyReeves	723	567814	7037416	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201241	Soil	2017-08-02	CodyReeves	724	567775	7037453	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
201242	Soil	2017-08-02	CodyReeves	730	567736	7037483	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201243	Soil	2017-08-02	CodyReeves	730	567699	7037518	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201244	Soil	2017-08-02	CodyReeves	733	567663	7037555	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201245	Soil	2017-08-02	CodyReeves	725	567620	7037579	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201246	Soil	2017-08-02	CodyReeves	725	567572	7037605	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	45	Dry	Excellent	ForestMixed
201247	Soil	2017-08-02	CodyReeves	725	567531	7037641	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
203124	Soil	2017-08-02	BrendanMcCauley	703	567977	7036592	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Excellent	ForestMixed
203125	Soil	2017-08-02	BrendanMcCauley	699	567991	7036544	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203126	Soil	2017-08-02	BrendanMcCauley	697	568008	7036488	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203127	Soil	2017-08-02	BrendanMcCauley	688	568047	7036437	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203128	Soil	2017-08-02	BrendanMcCauley	686	568042	7036389	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203129	Soil	2017-08-02	BrendanMcCauley	683	568071	7036337	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203139	Soil	2017-08-02	BrendanMcCauley	484	568275	7035524	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203140	Soil	2017-08-02	BrendanMcCauley	508	568324	7035502	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203141	Soil	2017-08-02	BrendanMcCauley	516	568384	7035502	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203142	Soil	2017-08-02	BrendanMcCauley	553	568439	7035488	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203143	Soil	2017-08-02	BrendanMcCauley	577	568499	7035474	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203144	Soil	2017-08-02	BrendanMcCauley	604	568553	7035476	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203145	Soil	2017-08-02	BrendanMcCauley	614	568601	7035473	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
201248	Soil	2017-08-02	CodyReeves	723	567487	7037660	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
201249	Soil	2017-08-02	CodyReeves	728	567443	7037691	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	40	Dry	Excellent	ForestMixed
201250	Soil	2017-08-02	CodyReeves	727	567413	7037727	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	45	Dry	Excellent	ForestMixed
201251	Soil	2017-08-02	CodyReeves	731	567357	7037753	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	45	Dry	Excellent	ForestMixed
201252	Soil	2017-08-02	CodyReeves	726	567315	7037781	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	40	Dry	Excellent	ForestMixed
201253	Soil	2017-08-02	CodyReeves	727	567269	7037818	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	40	Dry	Excellent	ForestMixed
201254	Soil	2017-08-02	CodyReeves	732	567244	7037840	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201255	Soil	2017-08-02	CodyReeves	730	567189	7037881	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201256	Soil	2017-08-02	CodyReeves	739	567201	7037933	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201257	Soil	2017-08-02	CodyReeves	737	567241	7037934	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	45	Dry	Excellent	ForestMixed
201258	Soil	2017-08-02	CodyReeves	732	567279	7037935	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201259	Soil	2017-08-02	CodyReeves	728	567310	7037953	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201260	Soil	2017-08-02	CodyReeves	719	567349	7037959	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201261	Soil	2017-08-02	CodyReeves	716	567382	7037961	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
201262	Soil	2017-08-02	CodyReeves	752	567042	7038083	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201263	Soil	2017-08-02	CodyReeves	760	567049	7038023	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201264	Soil	2017-08-02	CodyReeves	746	567084	7037985	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	RidgeAlpine	C	50	Dry	Excellent	ForestMixed
201265	Soil	2017-08-02	CodyReeves	743	567112	7037941	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	40	Dry	Good	ForestMixed
201266	Soil	2017-08-02	CodyReeves	733	567150	7037914	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
202190	Soil	2017-08-02	KieranTompkins		567588	7035986	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202191	Soil	2017-08-02	KieranTompkins		567611	7036032	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202192	Soil	2017-08-02	KieranTompkins		567628	7036079	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202193	Soil	2017-08-02	KieranTompkins		567655	7036120	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
202194	Soil	2017-08-02	KieranTompkins		567678	7036158	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed

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202195	Soil	2017-08-02	KieranTompkins		567702	7036202	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202196	Soil	2017-08-02	KieranTompkins		567719	7036244	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202197	Soil	2017-08-02	KieranTompkins		567742	7036284	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202198	Soil	2017-08-02	KieranTompkins		567762	7036332	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202199	Soil	2017-08-02	KieranTompkins		567784	7036377	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202200	Soil	2017-08-02	KieranTompkins		567809	7036426	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202201	Soil	2017-08-02	KieranTompkins		567835	7036465	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202202	Soil	2017-08-02	KieranTompkins		567852	7036505	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202203	Soil	2017-08-02	KieranTompkins		567874	7036544	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202204	Soil	2017-08-02	KieranTompkins		567899	7036594	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202205	Soil	2017-08-02	KieranTompkins		567921	7036635	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202206	Soil	2017-08-02	KieranTompkins		567932	7036671	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202207	Soil	2017-08-02	KieranTompkins		567951	7036713	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202208	Soil	2017-08-02	KieranTompkins		567976	7036761	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202209	Soil	2017-08-02	KieranTompkins		568001	7036804	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202210	Soil	2017-08-02	KieranTompkins		568023	7036843	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202211	Soil	2017-08-02	KieranTompkins		568046	7036895	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202212	Soil	2017-08-02	KieranTompkins		568071	7036939	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestPine
202213	Soil	2017-08-02	KieranTompkins		568093	7036974	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202214	Soil	2017-08-02	KieranTompkins		568114	7037022	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202215	Soil	2017-08-02	KieranTompkins		568132	7037066	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202216	Soil	2017-08-02	KieranTompkins		568156	7037105	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202217	Soil	2017-08-02	KieranTompkins		568189	7037160	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202218	Soil	2017-08-02	KieranTompkins		568195	7037202	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202219	Soil	2017-08-02	KieranTompkins		568224	7037251	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202220	Soil	2017-08-02	KieranTompkins		568256	7037298	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202221	Soil	2017-08-02	KieranTompkins		568291	7037347	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202222	Soil	2017-08-02	KieranTompkins		568315	7037382	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202223	Soil	2017-08-02	KieranTompkins		568342	7037429	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	SubAlpineAlder
202224	Soil	2017-08-02	KieranTompkins		568369	7037470	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203123	Soil	2017-08-02	BrendanMcCauley	704	567964	7036645	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
203146	Soil	2017-08-02	BrendanMcCauley	635	568654	7035455	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203147	Soil	2017-08-02	BrendanMcCauley	651	568711	7035444	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203148	Soil	2017-08-02	BrendanMcCauley	660	568770	7035448	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed

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203149	Soil	2017-08-02	BrendanMcCauley	665	568817	7035425	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
202225	Soil	2017-08-03	KieranTompkins	662	565990	7040363	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202226	Soil	2017-08-03	KieranTompkins		565962	7040405	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202227	Soil	2017-08-03	KieranTompkins	678	565943	7040458	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202228	Soil	2017-08-03	KieranTompkins	685	565917	7040502	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202229	Soil	2017-08-03	KieranTompkins	695	565891	7040548	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202230	Soil	2017-08-03	KieranTompkins	696	565869	7040588	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	45	Dry	Good	ForestMixed
202231	Soil	2017-08-03	KieranTompkins	694	565836	7040631	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	35	Dry	Good	ForestMixed
202243	Soil	2017-08-03	KieranTompkins	668	565537	7041168	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	35	Dry	Good	ForestMixed
202244	Soil	2017-08-03	KieranTompkins	657	565514	7041219	UTMZ7N_WGS84	Soil	BrownLight		Ridge	C	40	Dry	Good	ForestMixed
202245	Soil	2017-08-03	KieranTompkins	642	565484	7041266	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	35	Dry	Good	ForestMixed
202246	Soil	2017-08-03	KieranTompkins	612	565460	7041303	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
202247	Soil	2017-08-03	KieranTompkins	600	565439	7041352	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
202248	Soil	2017-08-03	KieranTompkins	593	565401	7041395	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202249	Soil	2017-08-03	KieranTompkins	588	565381	7041432	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202250	Soil	2017-08-03	KieranTompkins	583	565357	7041489	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
202251	Soil	2017-08-03	KieranTompkins	561	565333	7041530	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203150	Soil	2017-08-03	BrendanMcCauley	722	565791	7040856	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
203151	Soil	2017-08-03	BrendanMcCauley	733	565823	7040894	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203152	Soil	2017-08-03	BrendanMcCauley	722	565853	7040924	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Excellent	ForestMixed
203153	Soil	2017-08-03	BrendanMcCauley	703	565889	7040974	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203154	Soil	2017-08-03	BrendanMcCauley	695	565903	7041021	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203155	Soil	2017-08-03	BrendanMcCauley	688	565943	7041048	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203156	Soil	2017-08-03	BrendanMcCauley	673	565968	7041094	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203157	Soil	2017-08-03	BrendanMcCauley	669	565997	7041131	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203158	Soil	2017-08-03	BrendanMcCauley	654	566049	7041178	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203159	Soil	2017-08-03	BrendanMcCauley	654	566055	7041213	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	40	Dry	Good	ForestMixed
203160	Soil	2017-08-03	BrendanMcCauley	636	566095	7041261	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203161	Soil	2017-08-03	BrendanMcCauley	628	566123	7041308	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	55	Dry	Excellent	ForestMixed
203162	Soil	2017-08-03	BrendanMcCauley	616	566155	7041352	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
202232	Soil	2017-08-03	KieranTompkins	688	565818	7040683	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202233	Soil	2017-08-03	KieranTompkins	689	565796	7040729	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202234	Soil	2017-08-03	KieranTompkins	692	565765	7040769	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestBirch
202235	Soil	2017-08-03	KieranTompkins	706	565743	7040813	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	30	Dry	Good	ForestBirch

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202236	Soil	2017-08-03	KieranTompkins	713	565703	7040858	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202237	Soil	2017-08-03	KieranTompkins	722	565690	7040899	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	35	Dry	Good	ForestMixed
202238	Soil	2017-08-03	KieranTompkins	714	565660	7040950	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202239	Soil	2017-08-03	KieranTompkins	704	565630	7040987	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202240	Soil	2017-08-03	KieranTompkins	704	565616	7041036	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202241	Soil	2017-08-03	KieranTompkins	696	565589	7041078	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
202242	Soil	2017-08-03	KieranTompkins	685	565562	7041133	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
204040	Soil	2017-08-03	DylanWales	712	566522	7038797	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204041	Soil	2017-08-03	DylanWales	744	566467	7038758	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	40	Dry	Good	SubAlpineAlder
204042	Soil	2017-08-03	DylanWales	748	566412	7038723	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204043	Soil	2017-08-03	DylanWales	766	566370	7038691	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204044	Soil	2017-08-03	DylanWales	785	566316	7038653	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	40	Dry	Good	ForestMixed
204045	Soil	2017-08-03	DylanWales	799	566265	7038628	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204046	Soil	2017-08-03	DylanWales	788	566288	7038577	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204047	Soil	2017-08-03	DylanWales	780	566316	7038527	UTMZ7N_WGS84	Lithosoil	Grey	Clay		C	50	Dry	Excellent	ForestMixed
204048	Soil	2017-08-03	DylanWales	759	566325	7038477	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204049	Soil	2017-08-03	DylanWales	801	566228	7038691	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
204050	Soil	2017-08-03	DylanWales	771	566217	7038741	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
203163	Soil	2017-08-03	BrendanMcCauley	615	566173	7041392	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
203164	Soil	2017-08-03	BrendanMcCauley	602	566225	7041424	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203165	Soil	2017-08-03	BrendanMcCauley	591	566245	7041462	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203166	Soil	2017-08-03	BrendanMcCauley	580	566280	7041509	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203167	Soil	2017-08-03	BrendanMcCauley	578	566302	7041547	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203168	Soil	2017-08-03	BrendanMcCauley	557	566325	7041590	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203169	Soil	2017-08-03	BrendanMcCauley	559	566358	7041630	UTMZ7N_WGS84	Soil	Brown	Silt	Mound	C	45	Dry	Excellent	ForestMixed
203170	Soil	2017-08-03	BrendanMcCauley	549	566397	7041672	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203171	Soil	2017-08-03	BrendanMcCauley	535	566422	7041711	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203172	Soil	2017-08-03	BrendanMcCauley	532	566449	7041750	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203173	Soil	2017-08-03	BrendanMcCauley	515	566481	7041783	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203174	Soil	2017-08-03	BrendanMcCauley	499	566503	7041836	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203175	Soil	2017-08-03	BrendanMcCauley	483	566536	7041869	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Wet	Excellent	ForestMixed
203176	Soil	2017-08-03	BrendanMcCauley	469	566563	7041922	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Excellent	ForestMixed
204032	Soil	2017-08-03	DylanWales	615	566945	7039046	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	60	Moist	Excellent	ForestMixed
204033	Soil	2017-08-03	DylanWales	593	566893	7039012	UTMZ7N_WGS84	Soil	Grey	Clay		B	80	Moist	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
204034	Soil	2017-08-03	DylanWales	611	566838	7038976	UTMZ7N_WGS84	Soil	Grey	Clay		B	80	Moist	Good	ForestMixed
204035	Soil	2017-08-03	DylanWales	624	566797	7038942	UTMZ7N_WGS84	Soil	Grey	Clay		B	80	Moist	Poor	ForestMixed
203056	Soil	2017-07-31	BrendanMcCauley	739	566757	7040283	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203057	Soil	2017-07-31	BrendanMcCauley	723	566784	7040375	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Excellent	ForestMixed
203058	Soil	2017-07-31	BrendanMcCauley	708	566812	7040479	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
203059	Soil	2017-07-31	BrendanMcCauley	693	566834	7040580	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203060	Soil	2017-07-31	BrendanMcCauley	682	566863	7040687	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
201292	Soil	2017-08-03	CodyReeves	779	565950	7039368	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	RidgeAlpine	C	45	Dry	Good	ForestMixed
201293	Soil	2017-08-03	CodyReeves	764	565931	7039423	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	ForestMixed
201294	Soil	2017-08-03	CodyReeves	744	565906	7039479	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Moist	Good	ForestMixed
201295	Soil	2017-08-03	CodyReeves		565891	7039536	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201296	Soil	2017-08-03	CodyReeves	731	565866	7039580	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201297	Soil	2017-08-03	CodyReeves	725	565822	7039692	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201298	Soil	2017-08-03	CodyReeves	707	565769	7039798	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	ForestMixed
202252	Soil	2017-08-04	KieranTompkins	656	569165	7035969	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202253	Soil	2017-08-04	KieranTompkins	648	569147	7035930	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	35	Dry	Good	ForestMixed
202254	Soil	2017-08-04	KieranTompkins	648	569119	7035881	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202255	Soil	2017-08-04	KieranTompkins	647	569104	7035843	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
203178	Soil	2017-08-04	BrendanMcCauley	686	568922	7035185	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203179	Soil	2017-08-04	BrendanMcCauley	687	568978	7035183	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203180	Soil	2017-08-04	BrendanMcCauley	669	569027	7035178	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203181	Soil	2017-08-04	BrendanMcCauley	663	569085	7035163	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203182	Soil	2017-08-04	BrendanMcCauley	654	569127	7035155	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203183	Soil	2017-08-04	BrendanMcCauley	638	569189	7035135	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203184	Soil	2017-08-04	BrendanMcCauley	625	569241	7035136	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203185	Soil	2017-08-04	BrendanMcCauley	613	569304	7035124	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203186	Soil	2017-08-04	BrendanMcCauley	597	569353	7035106	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203187	Soil	2017-08-04	BrendanMcCauley	570	569414	7035099	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestWhiteSpruce
203188	Soil	2017-08-04	BrendanMcCauley	558	569470	7035091	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203189	Soil	2017-08-04	BrendanMcCauley	557	569542	7035087	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203190	Soil	2017-08-04	BrendanMcCauley	540	569580	7035074	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203191	Soil	2017-08-04	BrendanMcCauley	528	569636	7035070	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203192	Soil	2017-08-04	BrendanMcCauley	512	569694	7035064	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203193	Soil	2017-08-04	BrendanMcCauley	502	569757	7035046	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203194	Soil	2017-08-04	BrendanMcCauley	489	569793	7035033	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203195	Soil	2017-08-04	BrendanMcCauley	512	569855	7035033	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203196	Soil	2017-08-04	BrendanMcCauley	480	570118	7034880	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203197	Soil	2017-08-04	BrendanMcCauley	513	570158	7034851	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203198	Soil	2017-08-04	BrendanMcCauley	516	570203	7034813	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203199	Soil	2017-08-04	BrendanMcCauley	531	570244	7034779	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203200	Soil	2017-08-04	BrendanMcCauley	545	570288	7034743	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203201	Soil	2017-08-04	BrendanMcCauley	551	570329	7034709	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203202	Soil	2017-08-04	BrendanMcCauley	559	570370	7034689	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
203203	Soil	2017-08-04	BrendanMcCauley	568	570414	7034659	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203204	Soil	2017-08-04	BrendanMcCauley	574	570453	7034626	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203205	Soil	2017-08-04	BrendanMcCauley	584	570494	7034601	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203206	Soil	2017-08-04	BrendanMcCauley	593	570533	7034569	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203207	Soil	2017-08-04	BrendanMcCauley	599	570581	7034546	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203208	Soil	2017-08-04	BrendanMcCauley	616	570627	7034511	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203209	Soil	2017-08-04	BrendanMcCauley	620	570674	7034497	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203210	Soil	2017-08-04	BrendanMcCauley	613	570711	7034458	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Excellent	ForestMixed
201299	Soil	2017-08-04	CodyReeves	650	569195	7036022	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201300	Soil	2017-08-04	CodyReeves	642	569210	7036062	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201301	Soil	2017-08-04	CodyReeves	633	569245	7036109	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Moist	Good	ForestMixed
201302	Soil	2017-08-04	CodyReeves	626	569263	7036159	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	ForestMixed
201303	Soil	2017-08-04	CodyReeves	633	569277	7036204	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
201304	Soil	2017-08-04	CodyReeves	628	569301	7036237	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201305	Soil	2017-08-04	CodyReeves	618	569351	7036271	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	45	Moist	Good	ForestMixed
201306	Soil	2017-08-04	CodyReeves	627	569381	7036312	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
201307	Soil	2017-08-04	CodyReeves	634	569424	7036345	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201308	Soil	2017-08-04	CodyReeves	645	569464	7036381	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201309	Soil	2017-08-04	CodyReeves	659	569508	7036423	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	ForestMixed
201270	Soil	2017-08-03	CodyReeves	723	566465	7039729	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	ForestMixed
201271	Soil	2017-08-03	CodyReeves	713	566428	7039705	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
201272	Soil	2017-08-03	CodyReeves	700	566374	7039676	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
201273	Soil	2017-08-03	CodyReeves	696	566334	7039648	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Flat	B	45	Frozen	Good	ForestMixed
201274	Soil	2017-08-03	CodyReeves	695	566282	7039641	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201275	Soil	2017-08-03	CodyReeves	710	566256	7039584	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201276	Soil	2017-08-03	CodyReeves	715	566252	7039537	UTMZ7N_WGS84	Lithosoil	Grey	Sand	Ridge	C	40	Dry	Good	ForestMixed
201277	Soil	2017-08-03	CodyReeves	727	566225	7039472	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
201278	Soil	2017-08-03	CodyReeves	739	566219	7039432	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	ForestMixed
201279	Soil	2017-08-03	CodyReeves	743	566205	7039383	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201280	Soil	2017-08-03	CodyReeves	747	566193	7039330	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201281	Soil	2017-08-03	CodyReeves	752	566190	7039282	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
201282	Soil	2017-08-03	CodyReeves	768	566162	7039218	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201283	Soil	2017-08-03	CodyReeves	772	566143	7039169	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	ForestMixed
201284	Soil	2017-08-03	CodyReeves	757	566132	7039125	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201285	Soil	2017-08-03	CodyReeves	761	566135	7039059	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201286	Soil	2017-08-03	CodyReeves	763	566097	7039059	UTMZ7N_WGS84	Soil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201287	Soil	2017-08-03	CodyReeves	769	566062	7039101	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201288	Soil	2017-08-03	CodyReeves	785	566037	7039172	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201289	Soil	2017-08-03	CodyReeves	784	566017	7039211	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201290	Soil	2017-08-03	CodyReeves	778	565995	7039266	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201291	Soil	2017-08-03	CodyReeves	778	565970	7039316	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	ForestMixed
202256	Soil	2017-08-04	KieranTompkins	643	569099	7035787	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
202257	Soil	2017-08-04	KieranTompkins	647	569081	7035740	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	65	Moist	Good	ForestMixed
202258	Soil	2017-08-04	KieranTompkins	641	569043	7035702	UTMZ7N_WGS84	Soil	Black	Silt	Ridge	C	70	Frozen	Good	ForestMixed
202259	Soil	2017-08-04	KieranTompkins	642	569026	7035654	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	40	Dry	Good	ForestBlackSpruce
202260	Soil	2017-08-04	KieranTompkins	653	569018	7035598	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	60	Moist	Good	ForestBlackSpruce
202261	Soil	2017-08-04	KieranTompkins	661	568985	7035560	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Moist	Good	ForestMixed
202262	Soil	2017-08-04	KieranTompkins	667	568964	7035508	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
202263	Soil	2017-08-04	KieranTompkins	677	568943	7035469	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	35	Dry	Good	ForestMixed
202264	Soil	2017-08-04	KieranTompkins	684	568913	7035417	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202265	Soil	2017-08-04	KieranTompkins	678	568911	7035374	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Good	ForestBlackSpruce
202266	Soil	2017-08-04	KieranTompkins	683	568883	7035330	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	50	Moist	Good	ForestBlackSpruce
202267	Soil	2017-08-04	KieranTompkins	683	568854	7035286	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202268	Soil	2017-08-04	KieranTompkins	687	568848	7035227	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202269	Soil	2017-08-04	KieranTompkins	690	568821	7035186	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
202270	Soil	2017-08-04	KieranTompkins	693	568797	7035145	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202271	Soil	2017-08-04	KieranTompkins	696	568780	7035095	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	60	Dry	Good	ForestMixed
202272	Soil	2017-08-04	KieranTompkins	693	568769	7035041	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
202273	Soil	2017-08-04	KieranTompkins	679	568751	7034988	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed

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Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202274	Soil	2017-08-04	KieranTompkins	498	569606	7034204	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNW	C	80	Moist	Good	ForestMixed
202275	Soil	2017-08-04	KieranTompkins	515	569672	7034202	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNW	C	40	Dry	Good	ForestMixed
202276	Soil	2017-08-04	KieranTompkins	525	569728	7034182	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C		Dry	Good	ForestMixed
202277	Soil	2017-08-04	KieranTompkins	546	569789	7034167	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202278	Soil	2017-08-04	KieranTompkins	564	569856	7034160	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNW	C	40	Dry	Good	ForestMixed
202279	Soil	2017-08-04	KieranTompkins	570	569886	7034169	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
202280	Soil	2017-08-04	KieranTompkins	582	569943	7034156	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
202281	Soil	2017-08-04	KieranTompkins	588	569999	7034146	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
202282	Soil	2017-08-04	KieranTompkins	605	570064	7034144	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202283	Soil	2017-08-04	KieranTompkins	606	570113	7034115	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Dry	Good	ForestMixed
202284	Soil	2017-08-04	KieranTompkins	608	570161	7034121	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Frozen	Good	ForestMixed
203177	Soil	2017-08-04	BrendanMcCauley	695	568862	7035197	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
201310	Soil	2017-08-04	CodyReeves	670	569543	7036456	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
201311	Soil	2017-08-04	CodyReeves	681	569591	7036493	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201312	Soil	2017-08-04	CodyReeves	703	569628	7036533	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
201313	Soil	2017-08-04	CodyReeves	718	569671	7036567	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201314	Soil	2017-08-04	CodyReeves	729	569715	7036601	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
201315	Soil	2017-08-04	CodyReeves	753	569762	7036641	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201316	Soil	2017-08-04	CodyReeves	761	569809	7036685	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201317	Soil	2017-08-04	CodyReeves	769	569846	7036713	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	ForestMixed
201318	Soil	2017-08-04	CodyReeves	770	569881	7036750	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
201319	Soil	2017-08-04	CodyReeves	775	569925	7036787	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201320	Soil	2017-08-04	CodyReeves	785	569957	7036826	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201321	Soil	2017-08-04	CodyReeves	794	570006	7036864	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201322	Soil	2017-08-04	CodyReeves	807	570047	7036898	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201323	Soil	2017-08-04	CodyReeves	819	570088	7036930	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201324	Soil	2017-08-04	CodyReeves	830	570120	7036972	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201325	Soil	2017-08-04	CodyReeves	845	570164	7037013	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201326	Soil	2017-08-04	CodyReeves	852	570209	7037045	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201327	Soil	2017-08-04	CodyReeves	867	570244	7037079	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201328	Soil	2017-08-04	CodyReeves	885	570300	7037124	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201329	Soil	2017-08-04	CodyReeves	896	570336	7037158	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201330	Soil	2017-08-04	CodyReeves	899	570379	7037191	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
202286	Soil	2017-08-05	KieranTompkins	705	568471	7037477	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed

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202287	Soil	2017-08-05	KieranTompkins	704	568531	7037487	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202288	Soil	2017-08-05	KieranTompkins	706	568593	7037498	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202289	Soil	2017-08-05	KieranTompkins	734	568655	7037512	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202290	Soil	2017-08-05	KieranTompkins	738	568721	7037509	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202291	Soil	2017-08-05	KieranTompkins	740	568759	7037541	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202292	Soil	2017-08-05	KieranTompkins	761	568818	7037559	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202293	Soil	2017-08-05	KieranTompkins	757	568891	7037552	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202294	Soil	2017-08-05	KieranTompkins	756	568946	7037568	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202295	Soil	2017-08-05	KieranTompkins	765	568994	7037579	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202296	Soil	2017-08-05	KieranTompkins	782	569052	7037594	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Excellent	SubAlpineAlder
202297	Soil	2017-08-05	KieranTompkins	789	569112	7037599	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202298	Soil	2017-08-05	KieranTompkins	792	569176	7037611	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	60	Moist	Excellent	ForestMixed
202299	Soil	2017-08-05	KieranTompkins	800	569235	7037632	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	ForestMixed
202300	Soil	2017-08-05	KieranTompkins	813	569296	7037634	UTMZ7N_WGS84	Soil	BrownLight		Ridge	C	40	Dry	Good	ForestMixed
202301	Soil	2017-08-05	KieranTompkins	826	569345	7037662	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202302	Soil	2017-08-05	KieranTompkins	836	569395	7037663	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202303	Soil	2017-08-05	KieranTompkins	843	569458	7037672	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
202304	Soil	2017-08-05	KieranTompkins	844	569516	7037673	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202305	Soil	2017-08-05	KieranTompkins	857	569584	7037695	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
202306	Soil	2017-08-05	KieranTompkins	874	569634	7037714	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
202307	Soil	2017-08-05	KieranTompkins	885	569695	7037725	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	38	Dry	Good	ForestMixed
202308	Soil	2017-08-05	KieranTompkins	888	569753	7037732	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
202309	Soil	2017-08-05	KieranTompkins	901	569811	7037733	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
202310	Soil	2017-08-05	KieranTompkins	901	569865	7037746	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Excellent	ForestMixed
202311	Soil	2017-08-05	KieranTompkins	897	569925	7037769	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Moist	Good	ForestMixed
203211	Soil	2017-08-05	BrendanMcCauley	876	569935	7038204	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	400	Dry	Excellent	ForestMixed
203212	Soil	2017-08-05	BrendanMcCauley	881	569903	7038244	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203213	Soil	2017-08-05	BrendanMcCauley	863	569842	7038257	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
203214	Soil	2017-08-05	BrendanMcCauley	847	569798	7038268	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203215	Soil	2017-08-05	BrendanMcCauley	860	569737	7038272	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Excellent	ForestMixed
203216	Soil	2017-08-05	BrendanMcCauley	848	569718	7038326	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203217	Soil	2017-08-05	BrendanMcCauley	844	569680	7038368	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203218	Soil	2017-08-05	BrendanMcCauley	831	569627	7038372	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
203219	Soil	2017-08-05	BrendanMcCauley	834	569566	7038366	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	65	Moist	Excellent	ForestMixed

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203221	Soil	2017-08-05	BrendanMcCauley	811	569500	7038339	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Moist	Excellent	ForestMixed
203222	Soil	2017-08-05	BrendanMcCauley	803	569450	7038335	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203223	Soil	2017-08-05	BrendanMcCauley	794	569394	7038334	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203224	Soil	2017-08-05	BrendanMcCauley	791	569347	7038341	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203225	Soil	2017-08-05	BrendanMcCauley	784	569289	7038325	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203226	Soil	2017-08-05	BrendanMcCauley	778	569237	7038334	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203227	Soil	2017-08-05	BrendanMcCauley	760	569185	7038336	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
203228	Soil	2017-08-05	BrendanMcCauley	751	569122	7038358	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203229	Soil	2017-08-05	BrendanMcCauley	746	569067	7038410	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
201337	Soil	2017-08-05	CodyReeves	877	570064	7037456	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201338	Soil	2017-08-05	CodyReeves	886	570114	7037427	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Moist	Good	ForestMixed
201339	Soil	2017-08-05	CodyReeves	888	570160	7037394	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
201340	Soil	2017-08-05	CodyReeves	895	570203	7037361	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
201341	Soil	2017-08-05	CodyReeves	892	570248	7037335	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201342	Soil	2017-08-05	CodyReeves	896	570286	7037301	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201343	Soil	2017-08-05	CodyReeves	893	570340	7037283	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Excellent	ForestMixed
201344	Soil	2017-08-05	CodyReeves	898	570368	7037238	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	60	Dry	Excellent	ForestMixed
201345	Soil	2017-08-05	CodyReeves	866	569991	7037429	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	55	Moist	Excellent	ForestMixed
201346	Soil	2017-08-05	CodyReeves	862	569927	7037381	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201347	Soil	2017-08-05	CodyReeves	857	569884	7037357	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201348	Soil	2017-08-05	CodyReeves	840	569853	7037323	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201349	Soil	2017-08-05	CodyReeves	826	569820	7037284	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201350	Soil	2017-08-05	CodyReeves	808	569776	7037251	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201351	Soil	2017-08-05	CodyReeves	806	569729	7037231	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201352	Soil	2017-08-05	CodyReeves	793	569675	7037213	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201353	Soil	2017-08-05	CodyReeves	775	569623	7037209	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201354	Soil	2017-08-05	CodyReeves	762	569581	7037180	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	40	Dry	Good	ForestMixed
201355	Soil	2017-08-05	CodyReeves	749	569531	7037168	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201356	Soil	2017-08-05	CodyReeves	747	569474	7037166	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201357	Soil	2017-08-06	DylanWales	670	571114	7034616	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
201358	Soil	2017-08-06	DylanWales	676	571087	7034675	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201359	Soil	2017-08-06	DylanWales	690	571126	7034562	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	60	Dry	Excellent	ForestMixed
201360	Soil	2017-08-06	DylanWales	677	571142	7034509	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201361	Soil	2017-08-06	DylanWales	670	571174	7034464	UTMZ7N_WGS84	Lithosoil	BrownLight	Clay		C	30	Dry	Excellent	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201362	Soil	2017-08-06	DylanWales	664	571189	7034407	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201363	Soil	2017-08-06	DylanWales	652	571206	7034350	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201364	Soil	2017-08-06	DylanWales	646	571225	7034305	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	40	Dry	Excellent	ForestMixed
201365	Soil	2017-08-06	DylanWales	643	571233	7034248	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
201366	Soil	2017-08-06	DylanWales	643	571254	7034208	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201367	Soil	2017-08-06	DylanWales	638	571276	7034134	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201368	Soil	2017-08-06	DylanWales	633	571298	7034087	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201369	Soil	2017-08-06	DylanWales	627	571316	7034039	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201370	Soil	2017-08-06	DylanWales	612	571337	7033992	UTMZ7N_WGS84	Lithosoil	Grey	Sand		C	40	Dry	Excellent	ForestMixed
201371	Soil	2017-08-06	DylanWales	609	571350	7033935	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
201372	Soil	2017-08-06	DylanWales	606	571377	7033878	UTMZ7N_WGS84	Lithosoil	Grey	Silt		C	40	Dry	Excellent	ForestMixed
201373	Soil	2017-08-06	DylanWales	611	571388	7033829	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	45	Dry	Excellent	ForestMixed
201374	Soil	2017-08-06	DylanWales	608	571406	7033780	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	50	Dry	Excellent	ForestMixed
201375	Soil	2017-08-06	DylanWales	616	571414	7033720	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201376	Soil	2017-08-06	DylanWales	607	571436	7033669	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand		C	40	Dry	Excellent	ForestMixed
201377	Soil	2017-08-06	DylanWales	603	571460	7033620	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
201378	Soil	2017-08-06	DylanWales	603	571478	7033572	UTMZ7N_WGS84	Lithosoil	Brown	Sand		C	60	Dry	Excellent	ForestMixed
201379	Soil	2017-08-06	DylanWales	601	571500	7033521	UTMZ7N_WGS84	Lithosoil	Brown	Silt		C	50	Dry	Excellent	ForestMixed
201380	Soil	2017-08-06	DylanWales	599	571515	7033463	UTMZ7N_WGS84	Lithosoil	Brown	Sand		C	40	Dry	Excellent	ForestMixed
201381	Soil	2017-08-06	DylanWales	597	571528	7033414	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	55	Dry	Excellent	ForestMixed
201382	Soil	2017-08-06	DylanWales	599	571550	7033360	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201383	Soil	2017-08-06	DylanWales	598	571575	7033311	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201384	Soil	2017-08-06	DylanWales	597	571587	7033256	UTMZ7N_WGS84	Lithosoil	Brown	Sand		C	70	Dry	Excellent	ForestMixed
201385	Soil	2017-08-06	DylanWales	590	571614	7033213	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
201386	Soil	2017-08-06	DylanWales	586	571625	7033154	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201387	Soil	2017-08-06	DylanWales	583	571645	7033098	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201388	Soil	2017-08-06	DylanWales	581	571657	7033052	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201389	Soil	2017-08-06	DylanWales	570	571678	7032997	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
201390	Soil	2017-08-06	DylanWales	566	571691	7032943	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	50	Dry	Excellent	ForestMixed
201391	Soil	2017-08-06	DylanWales	554	571706	7032900	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	45	Dry	Excellent	ForestMixed
201392	Soil	2017-08-06	DylanWales	553	571721	7032843	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	30	Dry	Excellent	ForestMixed
201393	Soil	2017-08-06	DylanWales	551	571751	7032787	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt		C	40	Dry	Excellent	ForestMixed
203242	Soil	2017-08-06	BrendanMcCauley	650	571304	7034790	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203243	Soil	2017-08-06	BrendanMcCauley	660	571270	7034760	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203244	Soil	2017-08-06	BrendanMcCauley	659	571232	7034723	UTMZ7N_WGS84	Soil	Brown	Sand	Ridge	C	35	Dry	Excellent	ForestMixed
203245	Soil	2017-08-06	BrendanMcCauley	670	571181	7034700	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203246	Soil	2017-08-06	BrendanMcCauley	665	571139	7034664	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203247	Soil	2017-08-06	BrendanMcCauley	666	571093	7034657	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203248	Soil	2017-08-06	BrendanMcCauley	667	571043	7034615	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203249	Soil	2017-08-06	BrendanMcCauley	658	570987	7034589	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203250	Soil	2017-08-06	BrendanMcCauley	657	570937	7034558	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203262	Soil	2017-08-06	BrendanMcCauley	618	570396	7034185	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203263	Soil	2017-08-06	BrendanMcCauley	606	570348	7034153	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
203264	Soil	2017-08-06	BrendanMcCauley	598	570300	7034128	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203265	Soil	2017-08-06	BrendanMcCauley	599	570247	7034104	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
203266	Soil	2017-08-06	BrendanMcCauley	600	570212	7034062	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	BurnOld
203267	Soil	2017-08-06	BrendanMcCauley	595	570152	7034041	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203233	Soil	2017-08-05	BrendanMcCauley	730	568877	7038516	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203234	Soil	2017-08-05	BrendanMcCauley	732	568839	7038537	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203235	Soil	2017-08-05	BrendanMcCauley	731	568794	7038573	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203236	Soil	2017-08-05	BrendanMcCauley	724	568743	7038585	UTMZ7N_WGS84	Colluvium	Brown	Silt	Ridge	C	50	Moist	Excellent	ForestMixed
203237	Soil	2017-08-05	BrendanMcCauley	718	568718	7038653	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203238	Soil	2017-08-05	BrendanMcCauley	704	568717	7038706	UTMZ7N_WGS84	Soil	BrownDark	Silt	Ridge	B	60	Moist	Good	ForestMixed
203239	Soil	2017-08-05	BrendanMcCauley	701	568713	7038754	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	65	Moist	Good	ForestMixed
203240	Soil	2017-08-05	BrendanMcCauley	690	568708	7038805	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	B	60	Moist	Good	ForestMixed
203241	Soil	2017-08-05	BrendanMcCauley	680	568713	7038854	UTMZ7N_WGS84	Soil	BrownDark	Silt	Ridge	B	80	Moist	Good	ForestMixed
201331	Soil	2017-08-05	CodyReeves	884	569929	7037730	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201332	Soil	2017-08-05	CodyReeves	879	569944	7037673	UTMZ7N_WGS84	Lithosoil	RustyOrange	Silt	Ridge	C	45	Dry	Excellent	ForestMixed
201333	Soil	2017-08-05	CodyReeves	876	569955	7037624	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201334	Soil	2017-08-05	CodyReeves	882	569976	7037576	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Moist	Good	ForestMixed
201335	Soil	2017-08-05	CodyReeves	887	570004	7037538	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Moist	Excellent	ForestMixed
201336	Soil	2017-08-05	CodyReeves	877	570031	7037494	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	40	Dry	Good	ForestMixed
203251	Soil	2017-08-06	BrendanMcCauley	644	570897	7034534	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203252	Soil	2017-08-06	BrendanMcCauley	637	570845	7034503	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203253	Soil	2017-08-06	BrendanMcCauley	623	570801	7034467	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203254	Soil	2017-08-06	BrendanMcCauley	614	570757	7034434	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Excellent	ForestMixed
203255	Soil	2017-08-06	BrendanMcCauley	606	570716	7034402	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
203256	Soil	2017-08-06	BrendanMcCauley	603	570663	7034379	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed

Appendix B - Sample Locations and Descriptions

Sample	Type	SampleDate	Sampler	Elevation	Easting	Northing	EastNorthDatum	S_SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203257	Soil	2017-08-06	BrendanMcCauley	599	570615	7034347	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203258	Soil	2017-08-06	BrendanMcCauley	601	570565	7034308	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203259	Soil	2017-08-06	BrendanMcCauley	605	570513	7034277	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
203260	Soil	2017-08-06	BrendanMcCauley	595	570476	7034254	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Excellent	ForestMixed
203261	Soil	2017-08-06	BrendanMcCauley	602	570436	7034223	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	25	Dry	Good	ForestMixed
202285	Soil	2017-08-05	KieranTompkins	682	568414	7037469	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
201966	Soil	2017-07-27	KieranTompkins	544	568735	7039414	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	C	40	Frozen	Good	ForestBlackSpruce
201967	Soil	2017-07-27	KieranTompkins	548	568685	7039413	UTMZ7N_WGS84	Soil	Black	Silt	ModerateSW	C	45	Frozen	Good	ForestBlackSpruce
201968	Soil	2017-07-27	KieranTompkins		568632	7039387	UTMZ7N_WGS84	Soil	Black	Silt	SteepNE	C	50	Moist	Good	ForestBlackSpruce
201969	Soil	2017-07-27	KieranTompkins	570	568586	7039389	UTMZ7N_WGS84	Soil	Black	Silt	SteepNE	C	60	Moist	Good	ForestBlackSpruce
201970	Soil	2017-07-27	KieranTompkins	588	568541	7039360	UTMZ7N_WGS84	Soil	Black	Silt	SteepNE	C	60	Moist	Good	ForestBlackSpruce
201971	Soil	2017-07-27	KieranTompkins	600	568496	7039343	UTMZ7N_WGS84	Soil	Brown	Silt	SteepNE	C	60	Moist	Good	ForestBlackSpruce
201972	Soil	2017-07-27	KieranTompkins	605	568447	7039337	UTMZ7N_WGS84	Soil	BrownDark	Silt	ModerateNE	C	65	Moist	Good	ForestBlackSpruce
201973	Soil	2017-07-27	KieranTompkins	603	568347	7039294	UTMZ7N_WGS84	Soil	Black	Silt	ModerateW	B	65	Frozen	Good	ForestBlackSpruce

Appendix B - Rock Sample Locations and Descriptions

SampleNum	SampleType	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	R_SampleType	R_SampleWidth	R_Lithology	R_LithModifier	R_LithModifier2	R_Colour
200804	Rock	2017-07-23	MartyHuber	674.3	GPS	568809.38	7040851.32	UTMZ7N_WGS84	TrenchChip	0.3	VeinQuartz			White
200805	Rock	2017-07-23	MartyHuber	674.5	GPS	568718.71	7040828.52	UTMZ7N_WGS84	TrenchChip	1	Orthogneiss	Siliceous	QuartzVein	White
200806	Rock	2017-07-23	MartyHuber	687.1	GPS	568810.11	7040580.04	UTMZ7N_WGS84	TrenchChip	1	Orthogneiss	QuartzVein	Limey	RustyOrange
203929	Rock	2017-07-25	DylanWales	477.4	GPS	568016.3	7039816.14	UTMZ7N_WGS84	OutcropGrab	1	Vein	QuartzVein		White
203968	Rock	2017-07-27	DylanWales	515.6	GPS	568144.75	7039553.62	UTMZ7N_WGS84	OutcropGrab	1	VeinQuartz			White

Appendix B - Rock Sample Locations and Descriptions

[illegible]

Appendix B - Rock Sample Locations and Descriptions

SampleNum	R_StructureDip	R_StructureDipDirection	R_Comments
200804	10	70	
200805			siliceous rock with quartz veins and sulfide. corresponds with sample number 125710
200806			
203929			
203968			

Appendix C - Assay Certificates



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List

Receiving Lab: Canada-Whitehorse

Received: August 01, 2017

Report Date: August 28, 2017

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI17000423.1

CLIENT JOB INFORMATION

Project: Rosebute

Shipment ID:

P.O. Number

Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



BUREAU MINERAL LABORATORIES
VERITAS Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: August 28, 2017

Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000423.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202061	Soil	0.8	17.1	11.5	50	<0.1	17.0	7.3	314	1.99	5.8	2.2	2.9	41	0.2	0.7	0.2	46	0.61	0.057	14
201994	Soil	1.0	26.6	9.5	62	<0.1	24.1	9.6	361	2.48	9.4	1.9	3.8	46	0.3	0.7	0.2	57	0.85	0.067	15
202042	Soil	0.8	18.5	8.4	49	<0.1	18.0	7.9	332	2.23	7.0	4.1	4.1	33	0.1	0.5	0.1	55	0.46	0.060	16
202051	Soil	0.8	15.7	12.4	61	<0.1	14.8	9.4	295	2.53	7.5	2.7	4.8	24	<0.1	1.2	0.2	60	0.27	0.034	14
202045	Soil	0.7	15.3	14.2	59	<0.1	14.2	6.7	215	2.13	4.7	1.1	4.6	29	<0.1	0.5	0.2	48	0.44	0.042	18
201977	Soil	0.5	16.5	6.7	45	<0.1	16.1	7.8	317	2.02	6.8	4.5	3.2	37	0.1	0.5	0.1	49	0.96	0.064	13
202067	Soil	0.6	23.0	14.1	75	0.1	16.5	9.7	619	2.66	4.1	2.1	5.8	36	0.3	1.0	0.2	51	0.81	0.037	26
203955	Soil	0.3	20.1	7.8	58	<0.1	17.3	8.2	351	2.01	7.3	3.0	2.3	38	0.3	0.5	0.1	47	1.56	0.057	13
202082	Soil	0.8	16.7	7.2	54	<0.1	16.8	10.0	613	2.11	6.4	3.0	3.5	37	0.2	0.5	0.1	51	0.53	0.063	15
201998	Soil	0.5	17.3	11.2	54	<0.1	15.9	8.5	494	2.23	8.3	2.1	2.1	46	0.2	0.4	0.1	51	1.88	0.046	15
202055	Soil	0.6	14.5	10.9	55	<0.1	13.6	7.1	234	2.46	6.1	3.4	4.6	23	<0.1	0.6	0.2	58	0.24	0.020	14
201136	Soil	0.6	25.3	7.5	47	<0.1	22.6	8.5	276	2.48	8.2	2.6	5.2	34	<0.1	0.6	0.1	55	0.41	0.036	19
201109	Soil	0.8	17.6	9.1	101	<0.1	16.7	10.2	485	2.99	5.7	<0.5	2.9	38	<0.1	0.3	<0.1	72	0.39	0.051	11
201980	Soil	0.8	22.3	7.8	58	<0.1	17.9	7.6	366	1.96	8.7	1.0	2.3	45	0.2	0.6	0.1	50	1.46	0.063	13
201111	Soil	0.6	30.4	8.8	135	<0.1	20.0	13.7	476	3.98	6.0	<0.5	4.3	46	<0.1	0.3	<0.1	96	0.44	0.085	24
201124	Soil	0.8	20.5	7.6	51	<0.1	16.4	8.7	454	2.14	9.1	1.2	2.4	50	0.2	0.5	0.1	44	1.77	0.060	13
203963	Soil	1.2	28.0	9.3	48	0.1	22.0	9.4	539	2.43	19.1	2.2	3.5	50	0.1	0.6	0.2	52	0.85	0.062	16
201123	Soil	1.1	19.1	9.5	60	0.1	17.8	12.5	718	2.53	6.5	2.2	4.1	40	0.1	0.5	0.1	49	1.05	0.050	24
201133	Soil	0.7	18.9	12.9	70	0.1	15.4	8.5	228	2.63	6.1	0.6	7.5	116	0.1	0.5	0.2	49	0.87	0.070	35
202043	Soil	0.9	29.7	10.2	64	0.1	28.9	10.5	505	2.52	10.1	5.5	4.4	50	0.3	0.8	0.2	54	0.80	0.067	16
203964	Soil	1.0	25.0	11.3	47	0.1	20.0	8.4	375	2.31	17.4	0.7	4.0	37	<0.1	0.5	0.1	54	0.59	0.058	16
201115	Soil	0.3	29.3	9.2	54	0.1	23.6	9.8	360	2.26	8.2	5.7	2.8	39	0.3	0.7	0.1	56	1.85	0.059	15
202035	Soil	1.7	18.8	11.1	54	<0.1	17.2	8.6	272	2.94	8.5	1.1	8.5	19	<0.1	0.5	0.2	68	0.19	0.023	24
203954	Soil	0.3	17.6	7.5	49	<0.1	16.4	7.9	273	1.92	6.0	<0.5	2.0	38	0.2	0.5	0.1	41	1.65	0.057	12
203975	Soil	1.2	25.9	13.6	59	0.2	18.4	10.6	519	2.89	10.9	5.6	7.7	36	<0.1	0.4	0.2	58	0.60	0.067	31
201117	Soil	0.3	22.1	8.0	50	<0.1	19.1	8.0	317	2.10	6.8	<0.5	2.3	42	0.2	0.6	0.1	46	1.80	0.062	13
203960	Soil	1.0	29.6	11.4	50	0.1	23.5	9.9	448	2.50	14.0	<0.5	4.2	42	0.1	0.6	0.2	58	0.66	0.050	16
203952	Soil	0.6	15.6	7.4	47	<0.1	14.4	7.0	381	1.87	9.3	8.5	1.8	42	0.2	0.4	0.1	40	2.28	0.059	12
203970	Soil	0.4	21.4	7.7	57	<0.1	20.0	8.9	315	2.14	7.8	1.6	2.8	43	0.2	0.6	0.1	51	1.16	0.069	13
201116	Soil	0.3	29.2	10.7	57	0.1	24.5	10.0	523	2.43	9.4	0.8	3.4	40	0.3	0.8	0.1	56	1.32	0.059	16



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202061	Soil	25	0.44	259	0.068	4	1.28	0.025	0.06	0.2	0.03	3.5	<0.1	<0.05	4	0.7	<0.2
201994	Soil	28	0.61	352	0.087	5	1.45	0.029	0.07	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
202042	Soil	25	0.45	276	0.077	3	1.32	0.021	0.04	0.3	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
202051	Soil	29	0.46	275	0.084	4	1.81	0.011	0.07	0.2	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
202045	Soil	27	0.48	236	0.088	2	1.53	0.019	0.05	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
201977	Soil	23	0.43	214	0.074	1	1.21	0.024	0.05	0.2	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
202067	Soil	28	0.60	343	0.091	4	2.01	0.019	0.13	0.2	0.09	5.4	0.1	<0.05	6	0.5	<0.2
203955	Soil	23	0.46	211	0.067	4	1.26	0.021	0.06	0.2	0.04	3.5	<0.1	<0.05	4	0.9	<0.2
202082	Soil	24	0.45	262	0.076	2	1.28	0.022	0.05	0.3	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
201998	Soil	23	0.45	387	0.060	4	1.29	0.017	0.04	0.2	0.06	4.0	<0.1	<0.05	4	0.6	<0.2
202055	Soil	29	0.44	178	0.087	2	1.64	0.013	0.06	0.2	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
201136	Soil	40	0.54	264	0.086	2	1.36	0.022	0.06	0.1	0.04	6.1	<0.1	<0.05	4	0.6	<0.2
201109	Soil	33	1.05	142	0.138	1	2.08	0.009	0.22	<0.1	0.01	3.2	0.2	<0.05	10	<0.5	<0.2
201980	Soil	25	0.48	265	0.063	2	1.32	0.024	0.06	0.1	0.07	4.1	<0.1	0.08	4	0.9	<0.2
201111	Soil	36	1.53	223	0.241	1	2.80	0.012	0.50	0.1	0.01	2.9	0.3	<0.05	13	<0.5	<0.2
201124	Soil	20	0.54	311	0.059	3	1.47	0.017	0.04	0.1	0.10	4.2	<0.1	<0.05	4	0.8	<0.2
203963	Soil	26	0.50	317	0.078	3	1.45	0.022	0.07	0.2	0.03	4.7	<0.1	<0.05	4	0.6	<0.2
201123	Soil	26	0.62	322	0.068	3	1.82	0.017	0.06	0.1	0.05	5.5	0.1	<0.05	6	0.7	<0.2
201133	Soil	24	0.59	202	0.082	3	1.45	0.022	0.13	0.3	0.04	4.3	0.2	<0.05	4	0.6	<0.2
202043	Soil	29	0.57	411	0.076	3	1.33	0.027	0.05	0.2	0.04	4.2	<0.1	<0.05	4	1.0	<0.2
203964	Soil	27	0.46	277	0.084	1	1.51	0.021	0.06	0.2	0.04	4.8	<0.1	<0.05	4	<0.5	<0.2
201115	Soil	26	0.44	264	0.075	3	1.55	0.024	0.05	0.2	0.05	4.3	<0.1	<0.05	4	0.7	<0.2
202035	Soil	31	0.48	201	0.097	2	2.11	0.010	0.09	1.0	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
203954	Soil	21	0.39	189	0.061	3	1.22	0.019	0.04	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
203975	Soil	30	0.62	289	0.085	2	1.79	0.018	0.13	0.2	0.03	5.9	0.1	<0.05	6	0.6	<0.2
201117	Soil	24	0.40	234	0.067	3	1.40	0.020	0.04	0.2	0.04	4.1	<0.1	0.05	4	0.7	<0.2
203960	Soil	30	0.53	323	0.082	2	1.58	0.022	0.06	0.2	0.04	5.0	<0.1	<0.05	5	0.6	<0.2
203952	Soil	20	0.57	317	0.050	3	1.10	0.016	0.04	0.2	0.07	3.2	<0.1	0.07	3	<0.5	<0.2
203970	Soil	25	0.50	234	0.071	3	1.24	0.025	0.06	0.2	0.03	4.0	<0.1	0.07	4	0.7	<0.2
201116	Soil	27	0.48	276	0.077	3	1.58	0.023	0.05	0.1	0.05	4.6	<0.1	<0.05	4	0.7	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201114	Soil	0.3	26.1	8.7	56	<0.1	20.9	8.6	503	2.11	8.0	1.1	2.1	44	0.3	0.6	0.1	47	2.28	0.064	12
201132	Soil	2.9	14.7	14.4	111	0.2	21.2	32.2	4487	4.20	19.9	1.9	7.7	39	0.8	0.6	0.2	57	1.13	0.060	27
202932	Soil	1.1	30.6	9.5	50	0.1	21.7	9.5	392	2.54	22.0	3.3	3.9	38	0.1	0.6	0.1	59	0.63	0.058	17
202934	Soil	1.1	24.9	14.9	59	<0.1	21.7	10.2	572	2.79	12.6	19.8	4.0	33	0.1	0.6	0.2	57	0.74	0.038	23
202943	Soil	0.4	12.2	9.1	68	<0.1	13.2	7.2	276	2.00	5.7	3.7	2.7	35	0.2	0.3	<0.1	47	1.10	0.055	12
203967	Soil	0.8	19.7	9.7	63	<0.1	18.1	8.2	698	2.20	14.0	4.8	3.2	41	0.3	0.5	0.1	45	1.38	0.083	17
202925	Soil	0.4	18.2	6.0	56	<0.1	15.6	8.5	422	1.93	5.6	2.9	1.7	33	0.2	0.3	0.2	42	1.48	0.063	9
202929	Soil	1.1	22.4	8.0	45	0.1	18.9	8.6	348	2.31	17.7	4.3	2.5	44	0.1	0.4	0.2	47	0.91	0.052	11
202896	Soil	0.7	19.8	13.5	65	0.1	14.1	7.4	618	2.16	8.2	5.5	4.4	38	0.2	0.5	0.3	40	1.41	0.068	17
203972	Soil	0.6	21.1	6.5	62	<0.1	22.7	9.5	348	2.28	7.6	2.9	3.0	39	0.3	0.5	0.2	47	0.79	0.081	12
202893	Soil	0.9	22.3	12.7	74	0.1	15.7	11.1	576	2.84	17.1	2.5	4.6	28	0.1	0.6	0.3	49	1.15	0.065	18
202900	Soil	1.1	27.8	11.5	50	<0.1	25.6	10.0	367	2.69	8.5	6.3	5.1	32	<0.1	0.5	0.2	53	0.45	0.048	18
200958	Soil	1.0	32.8	17.7	55	0.2	20.1	10.1	454	2.53	6.9	10.2	4.0	36	0.1	0.5	0.2	48	0.78	0.037	15
203971	Soil	0.9	21.0	7.1	53	<0.1	19.9	9.7	280	2.48	7.0	2.0	2.5	40	0.1	0.5	0.1	46	1.08	0.073	12
202915	Soil	0.6	19.9	8.8	48	<0.1	19.5	8.7	603	2.19	8.0	4.1	2.5	40	0.2	0.5	0.1	47	1.85	0.068	13
202903	Soil	0.9	21.3	9.0	48	<0.1	17.9	7.6	259	2.28	5.9	10.1	4.8	28	<0.1	0.4	0.2	48	0.40	0.052	17
202894	Soil	0.8	23.2	15.6	80	<0.1	17.7	12.9	625	3.35	9.9	2.5	10.8	24	0.1	0.3	0.3	50	0.61	0.062	31
202911	Soil	0.6	23.8	11.4	69	<0.1	15.3	10.0	486	2.61	4.9	1.4	3.6	36	0.1	0.3	0.2	44	1.56	0.053	17
203991	Soil	0.5	16.8	8.1	46	<0.1	16.3	7.9	248	2.39	5.4	2.0	4.8	24	<0.1	0.6	0.1	41	0.40	0.036	16
203953	Soil	0.4	11.8	6.1	44	<0.1	12.0	6.7	142	1.72	4.9	5.6	1.8	31	0.1	0.3	0.1	35	1.30	0.061	10
203989	Soil	1.1	18.8	12.7	47	0.1	13.9	8.5	508	2.44	5.2	2.0	6.2	20	<0.1	0.9	0.3	49	0.24	0.032	21
202902	Soil	1.3	17.5	10.7	49	<0.1	18.7	8.6	261	2.75	7.8	31.2	4.2	20	<0.1	0.4	0.2	54	0.24	0.034	12
203999	Soil	0.9	18.8	9.6	53	<0.1	23.7	9.3	313	3.12	12.1	2.5	3.0	16	<0.1	0.6	0.2	64	0.20	0.028	9
203951	Soil	0.5	18.4	6.9	71	<0.1	14.4	9.3	499	2.36	7.3	1.0	2.4	31	0.2	0.4	0.3	36	1.64	0.073	15
204022	Soil	0.6	27.7	7.7	61	<0.1	26.5	10.3	427	2.43	7.1	5.8	2.9	48	0.3	0.6	0.2	42	0.91	0.068	13
200985	Soil	0.5	22.2	9.7	51	<0.1	16.4	6.7	181	1.95	5.5	3.2	2.2	47	0.2	0.6	0.2	37	1.57	0.064	16
203977	Soil	0.8	40.9	13.2	70	<0.1	23.5	10.9	403	3.05	19.8	4.1	11.5	28	<0.1	0.6	0.2	46	0.51	0.046	25
203993	Soil	0.7	17.6	10.5	54	0.1	19.1	9.2	321	3.09	7.3	4.1	4.8	27	<0.1	0.8	0.2	55	0.45	0.031	14
204006	Soil	1.1	12.1	11.6	49	<0.1	16.9	6.4	192	2.63	8.5	1.2	2.6	16	<0.1	0.6	0.2	59	0.24	0.016	10
202904	Soil	1.1	13.6	11.6	51	<0.1	16.1	7.1	213	2.54	6.3	3.8	3.6	22	<0.1	0.4	0.2	45	0.31	0.044	11



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201114	Soil	24	0.43	267	0.063	3	1.38	0.021	0.05	0.2	0.07	4.2	<0.1	0.06	4	<0.5	<0.2
201132	Soil	26	0.53	665	0.074	4	1.75	0.015	0.12	0.2	0.04	5.1	0.2	0.05	5	0.7	<0.2
202932	Soil	28	0.60	308	0.091	1	1.54	0.024	0.09	0.2	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
202934	Soil	26	0.50	304	0.058	1	1.61	0.020	0.07	0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
202943	Soil	20	0.44	216	0.076	2	1.06	0.020	0.06	0.2	0.05	3.7	<0.1	<0.05	3	<0.5	<0.2
203967	Soil	21	0.55	418	0.066	1	1.26	0.015	0.09	0.1	0.05	4.7	0.1	<0.05	4	0.6	<0.2
202925	Soil	22	0.58	208	0.067	3	1.18	0.017	0.08	0.2	0.02	3.3	<0.1	0.07	4	<0.5	<0.2
202929	Soil	25	0.47	290	0.062	2	1.36	0.022	0.05	0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
202896	Soil	23	0.47	364	0.037	7	1.37	0.018	0.09	0.2	0.07	4.6	0.1	<0.05	4	0.6	<0.2
203972	Soil	26	0.54	220	0.072	3	1.16	0.028	0.08	0.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
202893	Soil	26	0.65	342	0.063	4	1.44	0.017	0.15	0.2	0.04	4.6	0.1	<0.05	5	<0.5	<0.2
202900	Soil	40	0.51	304	0.083	1	1.55	0.021	0.06	0.2	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2
200958	Soil	31	0.51	477	0.064	2	1.67	0.022	0.06	1.2	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
203971	Soil	27	0.54	224	0.066	4	1.25	0.028	0.06	0.3	0.03	3.6	<0.1	<0.05	4	0.5	<0.2
202915	Soil	25	0.69	208	0.064	1	1.26	0.020	0.04	0.2	0.07	3.9	<0.1	<0.05	4	0.6	<0.2
202903	Soil	31	0.48	242	0.084	1	1.38	0.019	0.06	0.2	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
202894	Soil	34	0.75	318	0.092	3	1.79	0.017	0.23	0.3	0.03	5.3	0.2	<0.05	6	<0.5	<0.2
202911	Soil	24	0.62	276	0.070	3	1.44	0.014	0.11	0.1	0.04	4.6	0.1	<0.05	5	0.5	<0.2
203991	Soil	30	0.48	253	0.068	1	1.48	0.017	0.05	0.2	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
203953	Soil	19	0.34	158	0.050	2	1.02	0.017	0.04	0.2	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
203989	Soil	26	0.37	199	0.076	2	1.73	0.011	0.08	0.2	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
202902	Soil	35	0.47	203	0.069	2	1.84	0.013	0.06	0.2	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
203999	Soil	40	0.53	242	0.077	2	2.21	0.009	0.07	0.2	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
203951	Soil	22	0.56	268	0.068	2	1.27	0.015	0.14	0.1	0.05	5.8	0.2	<0.05	4	0.7	<0.2
204022	Soil	29	0.48	298	0.068	3	1.36	0.025	0.07	0.2	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
200985	Soil	22	0.46	289	0.043	3	1.29	0.020	0.05	0.5	0.12	4.0	<0.1	0.07	4	0.6	<0.2
203977	Soil	28	0.70	226	0.085	2	1.62	0.021	0.14	0.2	0.05	5.1	0.2	<0.05	6	<0.5	<0.2
203993	Soil	39	0.56	277	0.082	1	2.07	0.017	0.07	0.2	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
204006	Soil	31	0.41	279	0.069	2	1.88	0.009	0.06	0.2	0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
202904	Soil	32	0.46	165	0.076	2	1.63	0.013	0.06	0.3	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
204005	Soil	1.1	17.4	11.4	49	0.1	19.3	8.6	226	2.86	7.9	2.4	4.4	17	<0.1	0.6	0.2	58	0.19	0.016	15
204014	Soil	0.5	24.0	8.3	57	<0.1	21.1	8.8	332	2.47	9.0	5.0	5.1	31	<0.1	0.8	0.2	38	0.53	0.078	17
203976	Soil	0.9	27.6	10.9	63	<0.1	25.2	11.7	509	3.03	11.9	3.4	5.7	38	<0.1	0.5	0.1	47	0.54	0.066	16
202924	Soil	0.4	19.3	8.2	66	<0.1	17.0	9.8	516	2.27	6.7	15.5	2.5	36	0.2	0.5	0.1	41	1.62	0.069	13
200962	Soil	0.6	34.4	11.9	51	0.1	18.2	7.8	401	1.92	6.1	6.2	1.7	50	0.3	0.5	0.2	32	2.42	0.060	15
200978	Soil	0.5	27.0	15.1	62	0.1	21.8	10.7	446	2.84	6.8	7.4	4.1	32	<0.1	0.4	0.2	54	0.63	0.074	18
203959	Soil	0.6	28.5	9.0	66	0.1	22.0	10.6	405	2.66	6.5	4.5	3.3	40	0.2	0.5	0.2	50	0.82	0.063	13
203966	Soil	0.9	21.4	9.5	54	<0.1	18.4	9.6	347	2.53	12.3	2.9	3.1	28	<0.1	0.4	0.1	46	0.77	0.066	16
200964	Soil	0.8	23.6	11.2	50	0.1	15.5	7.3	346	1.72	5.5	4.3	1.2	50	0.3	0.5	0.2	30	2.05	0.058	11
200989	Soil	0.4	30.6	11.0	58	0.1	24.0	9.9	430	2.52	8.2	4.2	4.0	33	0.2	0.6	0.2	46	1.21	0.060	16
203965	Soil	1.0	19.8	8.5	46	<0.1	18.2	9.0	315	2.44	12.9	2.4	3.3	31	<0.1	0.4	0.1	48	0.51	0.052	13
203969	Soil	0.5	24.9	8.2	60	0.1	23.1	10.2	270	2.46	7.3	2.6	3.1	37	0.2	0.5	0.1	50	0.94	0.060	13
202909	Soil	1.4	32.3	15.8	85	0.1	13.5	8.7	542	2.39	5.4	4.3	3.8	33	0.3	0.2	0.7	49	1.24	0.053	17
200988	Soil	0.4	25.9	9.5	49	0.1	20.1	7.7	384	2.07	7.2	3.7	2.4	41	0.2	0.6	0.2	45	1.37	0.059	12
203958	Soil	0.3	27.7	8.1	60	0.1	19.9	9.7	333	2.37	6.5	6.0	3.3	34	0.2	0.4	0.2	59	0.85	0.068	12
203957	Soil	0.4	34.8	7.0	76	0.1	14.9	12.8	739	3.05	4.0	4.8	2.6	36	0.2	0.3	0.1	94	1.29	0.079	11
202895	Soil	0.6	21.2	10.3	69	<0.1	16.4	9.4	602	2.54	8.0	2.7	4.4	28	0.2	0.4	0.2	53	1.15	0.064	17
200965	Soil	0.4	22.5	8.4	60	<0.1	19.6	8.3	194	2.07	5.1	2.7	2.8	35	0.2	0.4	<0.1	55	1.18	0.076	13
203956	Soil	0.4	22.0	7.8	59	<0.1	16.0	9.4	501	2.34	6.0	4.2	2.6	36	0.1	0.3	<0.1	61	0.93	0.066	14
203973	Soil	2.9	29.6	50.7	89	0.2	28.7	19.7	847	3.87	4.6	0.9	12.5	23	0.2	0.6	1.3	83	0.52	0.028	24
202054	Soil	0.6	26.3	15.1	67	<0.1	16.8	10.2	472	2.72	6.7	5.9	3.3	30	0.1	0.6	0.2	68	0.41	0.035	27
202047	Soil	0.9	22.8	15.7	79	0.1	15.8	8.8	242	3.16	9.5	3.8	4.1	21	0.1	0.7	0.2	69	0.27	0.042	16
202945	Soil	0.8	22.5	11.6	63	0.1	15.4	8.5	408	2.01	6.5	2.9	1.8	41	0.3	0.3	0.2	48	1.90	0.062	11
202940	Soil	0.4	29.5	9.1	67	0.1	22.9	8.6	168	2.27	7.5	2.3	4.0	30	0.2	0.7	0.1	55	0.78	0.047	13
202069	Soil	0.8	18.1	11.8	52	<0.1	17.1	7.8	194	2.69	7.7	3.1	4.1	21	<0.1	0.5	0.1	65	0.27	0.018	15
202076	Soil	0.4	12.9	10.1	53	<0.1	11.6	5.7	194	1.78	4.4	2.0	2.3	12	0.2	0.7	<0.1	47	0.15	0.024	10
202910	Soil	0.9	22.8	11.1	74	<0.1	15.0	9.1	542	2.47	5.3	1.1	4.5	30	0.2	0.2	0.3	53	1.41	0.052	21
202926	Soil	0.4	18.3	7.3	60	<0.1	16.6	10.5	436	2.62	10.0	1.7	2.7	33	0.2	0.4	<0.1	60	0.91	0.072	11
202059	Soil	1.1	20.1	8.4	55	0.1	18.8	9.5	531	2.22	7.3	2.1	2.8	35	0.3	0.5	0.1	56	0.57	0.070	12
202060	Soil	0.7	28.0	8.6	56	0.1	26.9	10.0	388	2.54	9.0	4.0	4.0	33	0.1	0.6	0.1	60	0.59	0.069	13



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
204005	Soil	39	0.48	226	0.071	2	2.14	0.011	0.05	0.2	0.03	4.6	<0.1	<0.05	7	<0.5	<0.2
204014	Soil	27	0.50	194	0.060	2	1.17	0.023	0.06	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
203976	Soil	33	0.73	244	0.098	2	1.61	0.027	0.15	0.2	0.02	5.0	0.1	<0.05	5	<0.5	<0.2
202924	Soil	23	0.60	228	0.065	3	1.38	0.019	0.13	0.2	0.04	4.2	0.1	<0.05	4	<0.5	<0.2
200962	Soil	23	0.66	393	0.040	4	1.08	0.019	0.07	1.2	0.08	2.8	<0.1	0.07	3	0.7	<0.2
200978	Soil	37	0.72	294	0.092	1	1.70	0.020	0.18	0.1	0.04	5.9	0.1	<0.05	6	<0.5	<0.2
203959	Soil	30	0.74	281	0.089	2	1.63	0.026	0.11	0.2	0.04	4.9	0.1	<0.05	5	0.8	<0.2
203966	Soil	28	0.51	262	0.066	1	1.57	0.017	0.07	0.2	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
200964	Soil	21	0.41	344	0.034	6	1.01	0.017	0.07	0.7	0.09	2.4	<0.1	0.10	3	0.8	<0.2
200989	Soil	29	0.74	251	0.065	2	1.54	0.024	0.06	0.4	0.07	4.7	<0.1	<0.05	5	0.6	<0.2
203965	Soil	29	0.48	235	0.074	2	1.52	0.017	0.08	0.2	0.02	4.3	<0.1	<0.05	5	0.5	<0.2
203969	Soil	31	0.58	255	0.073	3	1.48	0.029	0.06	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
202909	Soil	24	0.62	274	0.050	3	1.47	0.013	0.09	<0.1	0.05	3.9	0.2	<0.05	5	<0.5	<0.2
200988	Soil	23	0.56	280	0.047	3	1.30	0.020	0.05	0.3	0.08	3.7	<0.1	<0.05	4	<0.5	<0.2
203958	Soil	28	0.64	247	0.070	2	1.40	0.018	0.12	0.2	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
203957	Soil	25	1.32	304	0.111	2	1.87	0.014	0.37	0.2	0.03	7.9	0.2	<0.05	7	<0.5	<0.2
202895	Soil	30	0.60	303	0.057	3	1.44	0.014	0.12	0.2	0.08	4.5	0.1	<0.05	5	<0.5	<0.2
200965	Soil	26	0.57	243	0.063	3	1.26	0.022	0.07	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
203956	Soil	26	0.59	350	0.071	1	1.41	0.015	0.08	0.2	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
203973	Soil	69	1.59	364	0.065	5	2.75	0.009	0.38	0.2	0.02	7.3	0.4	<0.05	8	<0.5	0.2
202054	Soil	33	0.42	297	0.087	2	2.14	0.013	0.09	0.3	0.05	5.2	0.1	<0.05	7	<0.5	<0.2
202047	Soil	33	0.43	253	0.088	3	2.28	0.012	0.10	0.2	0.03	4.4	0.1	<0.05	8	<0.5	<0.2
202945	Soil	23	0.47	298	0.041	4	1.20	0.015	0.06	0.1	0.04	3.5	0.1	<0.05	3	<0.5	<0.2
202940	Soil	27	0.51	296	0.060	2	1.35	0.023	0.06	0.2	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2
202069	Soil	34	0.45	244	0.072	1	1.90	0.011	0.05	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
202076	Soil	22	0.32	116	0.058	2	1.26	0.010	0.05	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
202910	Soil	22	0.53	292	0.056	3	1.41	0.014	0.12	0.2	0.04	4.0	0.1	<0.05	5	<0.5	<0.2
202926	Soil	25	0.60	248	0.066	2	1.33	0.017	0.09	0.3	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
202059	Soil	27	0.45	308	0.054	2	1.45	0.021	0.06	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
202060	Soil	30	0.55	322	0.065	1	1.48	0.025	0.07	0.2	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202941	Soil	0.2	22.8	8.1	50	<0.1	21.7	9.5	148	2.37	8.2	4.3	3.3	28	0.1	0.5	0.1	60	0.83	0.059	13
202922	Soil	0.8	22.7	8.1	61	<0.1	23.5	11.0	470	2.58	9.1	2.5	3.2	31	0.2	0.5	0.1	62	0.95	0.059	12
202053	Soil	1.0	21.5	16.4	59	0.1	16.7	8.3	270	2.88	8.7	1.8	4.2	24	0.2	1.0	0.1	74	0.35	0.036	17
202056	Soil	0.6	12.7	8.7	45	<0.1	13.5	6.3	171	2.27	6.6	0.8	2.9	16	<0.1	0.4	<0.1	56	0.19	0.023	10
202019	Soil	0.8	13.2	9.4	58	<0.1	9.1	6.1	271	2.54	6.3	1.0	5.5	11	<0.1	0.3	0.1	59	0.17	0.056	11
203974	Soil	1.4	14.0	11.7	43	<0.1	14.0	10.5	502	2.15	5.3	0.8	4.1	18	<0.1	0.3	0.5	51	0.24	0.020	8
204439	Soil	0.9	16.4	12.8	68	0.1	16.6	8.2	390	2.53	6.0	3.7	4.8	24	0.1	0.3	0.2	57	0.35	0.057	27
201083	Soil	0.8	20.6	8.6	50	0.1	16.7	10.1	481	2.46	6.4	2.4	5.5	30	0.2	0.3	0.1	58	0.52	0.056	21
202058	Soil	0.6	20.6	9.8	59	<0.1	17.9	8.5	287	2.47	6.5	3.4	4.2	27	0.1	0.5	0.1	57	0.44	0.052	15
202052	Soil	0.6	16.9	10.2	56	<0.1	14.3	7.3	245	2.21	6.0	2.0	4.3	20	<0.1	0.8	0.1	56	0.29	0.028	14
204431	Soil	0.8	19.3	9.1	55	<0.1	18.3	7.9	257	2.79	6.3	2.3	10.1	14	<0.1	0.5	0.1	67	0.20	0.021	28
201098	Soil	1.2	18.5	10.7	67	<0.1	20.8	10.7	457	3.26	9.6	13.7	14.5	15	<0.1	0.5	0.1	68	0.23	0.045	17
202040	Soil	0.7	28.7	7.7	56	<0.1	27.0	10.6	454	2.57	8.9	3.2	3.6	40	0.1	0.5	<0.1	63	1.11	0.078	13
202046	Soil	0.8	21.7	15.6	61	<0.1	15.9	7.7	259	2.62	11.8	3.1	4.6	25	0.2	0.5	0.1	62	0.41	0.041	17
202982	Soil	0.6	23.8	68.5	133	<0.1	12.4	11.0	365	3.16	6.0	0.9	10.3	22	0.2	0.3	<0.1	59	0.24	0.031	27
201078	Soil	0.7	23.5	9.5	60	0.1	18.9	7.8	243	2.39	5.5	8.5	4.5	28	0.1	0.5	0.2	59	0.45	0.052	17
202057	Soil	0.6	19.6	14.0	55	<0.1	15.8	7.9	210	2.34	6.3	7.8	4.4	23	<0.1	0.5	<0.1	56	0.33	0.040	16
202041	Soil	1.4	25.8	10.4	55	0.1	22.2	11.3	642	2.51	8.2	1.2	3.7	33	0.3	0.5	0.1	62	0.57	0.068	13
201135	Soil	0.5	26.4	8.4	51	<0.1	24.1	9.6	353	2.50	9.6	4.5	5.6	27	<0.1	0.5	0.2	54	0.43	0.035	18
204430	Soil	0.9	13.0	5.6	63	<0.1	10.4	6.5	432	2.09	3.2	3.0	8.6	13	<0.1	0.2	0.1	45	0.24	0.033	27
202049	Soil	0.7	10.6	11.0	52	<0.1	11.8	5.7	158	2.11	5.1	1.9	3.5	16	<0.1	0.8	0.2	48	0.24	0.025	10
202050	Soil	0.7	14.7	9.2	54	<0.1	12.9	7.3	190	2.20	6.2	4.0	4.2	20	<0.1	0.7	0.1	54	0.33	0.033	14
202039	Soil	1.2	17.8	8.3	53	<0.1	19.3	10.0	429	2.52	8.3	4.1	4.1	25	<0.1	0.5	0.2	63	0.42	0.045	15
201103	Soil	0.9	18.4	10.1	52	<0.1	15.2	7.6	181	2.73	8.2	3.9	10.7	14	<0.1	0.3	0.2	67	0.20	0.027	20
202981	Soil	0.8	36.8	30.3	86	0.7	20.1	11.2	357	3.16	7.6	6.3	13.5	17	<0.1	0.4	0.2	65	0.19	0.024	48
204429	Soil	1.4	22.1	10.2	71	<0.1	16.6	7.7	333	3.04	7.2	2.5	8.1	20	<0.1	0.5	0.2	75	0.32	0.033	39
201035	Soil	0.5	20.8	7.2	47	<0.1	17.7	11.3	1099	2.04	11.2	3.0	1.1	35	0.3	0.5	0.2	47	2.20	0.059	11
202959	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
202979	Soil	0.9	13.1	9.4	43	<0.1	9.2	5.7	374	2.05	4.9	3.2	3.8	12	<0.1	0.3	0.2	60	0.14	0.030	10
201097	Soil	1.0	9.7	9.8	45	<0.1	11.1	5.2	149	2.36	7.4	16.8	3.8	13	<0.1	0.3	0.1	69	0.17	0.023	12



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202941	Soil	28	0.48	297	0.057	2	1.41	0.020	0.05	0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
202922	Soil	30	0.59	286	0.065	2	1.52	0.025	0.06	0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
202053	Soil	35	0.45	292	0.077	3	2.18	0.011	0.09	0.3	0.03	4.3	<0.1	<0.05	7	<0.5	<0.2
202056	Soil	27	0.41	165	0.062	<1	1.49	0.009	0.04	0.2	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
202019	Soil	19	0.38	74	0.076	2	1.33	0.006	0.14	0.2	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
203974	Soil	25	0.51	213	0.054	2	1.50	0.009	0.14	0.1	0.01	2.8	0.1	<0.05	5	<0.5	<0.2
204439	Soil	29	0.44	305	0.056	2	1.96	0.010	0.08	0.2	0.04	4.8	0.1	<0.05	6	<0.5	<0.2
201083	Soil	28	0.45	314	0.062	1	1.71	0.015	0.05	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
202058	Soil	29	0.50	257	0.070	1	1.55	0.019	0.06	0.2	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
202052	Soil	28	0.45	262	0.066	2	1.54	0.011	0.07	0.1	0.06	4.0	<0.1	<0.05	5	<0.5	<0.2
204431	Soil	34	0.50	263	0.076	2	2.27	0.009	0.05	0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
201098	Soil	35	0.56	139	0.074	2	1.98	0.009	0.08	0.2	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
202040	Soil	31	0.66	232	0.074	3	1.37	0.043	0.10	0.2	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
202046	Soil	30	0.48	253	0.077	1	1.69	0.015	0.07	0.2	0.05	4.4	<0.1	<0.05	6	<0.5	<0.2
202982	Soil	20	0.84	174	0.129	<1	2.15	0.008	0.23	0.1	<0.01	2.4	0.4	<0.05	7	<0.5	<0.2
201078	Soil	30	0.45	343	0.055	2	1.71	0.017	0.05	0.2	0.05	4.7	0.1	<0.05	5	<0.5	<0.2
202057	Soil	30	0.50	214	0.075	1	1.59	0.017	0.06	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
202041	Soil	31	0.47	308	0.058	2	1.52	0.024	0.05	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
201135	Soil	30	0.54	258	0.063	3	1.27	0.021	0.09	0.2	0.03	5.4	<0.1	<0.05	4	<0.5	<0.2
204430	Soil	21	0.36	178	0.076	2	1.15	0.009	0.16	0.2	0.02	3.7	0.1	<0.05	4	<0.5	<0.2
202049	Soil	24	0.33	221	0.049	3	1.44	0.008	0.07	0.2	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
202050	Soil	27	0.43	277	0.061	2	1.44	0.010	0.05	0.2	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
202039	Soil	32	0.44	273	0.061	2	1.59	0.015	0.07	0.3	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
201103	Soil	33	0.51	168	0.062	3	2.05	0.009	0.06	0.2	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
202981	Soil	39	0.73	190	0.093	2	2.37	0.009	0.23	0.2	0.06	4.1	0.3	<0.05	7	<0.5	<0.2
204429	Soil	35	0.47	270	0.078	2	2.33	0.009	0.08	0.1	0.03	4.7	0.1	<0.05	8	<0.5	<0.2
201035	Soil	22	0.28	237	0.039	3	1.23	0.017	0.03	0.1	0.05	3.0	<0.1	0.08	3	<0.5	<0.2
202959	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
202979	Soil	21	0.31	147	0.070	2	1.22	0.007	0.09	0.1	0.01	2.4	0.2	<0.05	6	<0.5	<0.2
201097	Soil	24	0.34	89	0.075	1	1.45	0.007	0.07	0.2	0.02	2.5	0.1	<0.05	7	<0.5	<0.2



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201032	Soil	0.9	14.7	7.8	52	<0.1	13.9	7.7	432	1.82	11.5	2.2	1.4	38	0.3	0.3	0.1	42	2.33	0.059	10
201102	Soil	1.0	17.1	10.4	52	<0.1	15.3	6.9	195	2.86	8.2	2.5	6.4	15	<0.1	0.4	0.1	69	0.22	0.028	22
201104	Soil	1.1	28.5	12.3	60	<0.1	19.5	9.1	328	3.18	10.3	2.7	11.1	17	<0.1	0.5	0.1	73	0.21	0.024	23
201074	Soil	0.7	22.9	7.9	62	<0.1	22.1	9.5	427	2.31	8.2	2.5	3.8	32	0.2	0.5	0.1	55	0.68	0.058	15
201040	Soil	0.6	22.3	8.5	56	<0.1	18.4	10.8	450	2.52	7.7	2.6	4.1	26	<0.1	0.5	0.1	63	0.45	0.057	14
201912	Soil	0.4	31.6	9.8	56	0.1	17.9	6.1	353	1.65	4.7	29.7	1.9	54	0.3	0.4	0.2	37	2.76	0.059	13
201069	Soil	1.0	32.6	8.1	84	0.1	21.4	12.5	427	3.00	5.0	4.8	5.4	27	<0.1	0.3	0.4	58	0.54	0.075	22
201076	Soil	1.9	43.8	14.6	73	0.3	23.7	9.3	335	3.61	10.3	7.4	5.1	47	0.3	0.4	0.4	75	0.74	0.071	46
201099	Soil	1.0	19.5	12.6	71	<0.1	16.3	9.7	393	2.77	6.7	3.1	15.3	18	<0.1	0.3	0.1	61	0.28	0.046	31
201944	Soil	0.9	29.8	9.7	61	0.1	26.6	10.3	393	2.52	9.0	4.1	3.7	34	0.1	0.6	0.1	60	0.65	0.067	14
201906	Soil	0.8	36.0	12.2	55	0.1	25.3	9.5	431	2.48	7.6	11.7	7.2	35	0.1	0.5	0.2	56	0.64	0.047	20
202066	Soil	0.6	27.1	8.9	54	0.1	21.1	8.9	388	2.43	6.8	1.9	4.7	38	<0.1	0.8	0.1	55	0.73	0.049	16
202071	Soil	1.0	18.0	13.9	58	<0.1	17.4	8.8	328	2.70	8.0	0.7	4.4	21	<0.1	0.7	0.1	68	0.31	0.025	16
201926	Soil	0.7	28.8	8.9	61	<0.1	17.0	9.5	389	2.44	11.8	1.5	2.9	41	0.1	0.4	0.1	59	1.05	0.067	14
201026	Soil	0.3	27.6	9.2	52	<0.1	22.4	9.5	471	2.21	9.5	3.5	2.9	39	0.2	0.6	0.1	54	2.00	0.057	13
201940	Soil	0.8	29.2	8.2	62	<0.1	25.6	9.5	397	2.22	9.2	2.4	4.1	47	0.3	0.6	<0.1	50	1.77	0.079	12
201022	Soil	0.7	25.1	10.7	77	<0.1	16.8	8.0	477	2.01	5.8	0.9	1.4	43	0.4	0.3	0.2	45	2.48	0.054	11
202077	Soil	1.0	12.5	12.7	45	<0.1	11.8	5.1	149	2.48	7.9	14.0	2.4	10	0.2	0.5	0.1	69	0.12	0.035	9
201025	Soil	0.9	23.8	8.6	57	<0.1	20.0	8.7	413	2.13	8.4	2.5	1.9	35	0.4	0.4	0.1	51	1.62	0.053	11
202072	Soil	1.0	15.3	13.2	58	<0.1	15.2	7.1	178	2.69	7.9	1.8	3.2	16	<0.1	0.8	0.1	69	0.21	0.023	12
201029	Soil	0.7	22.8	8.4	56	<0.1	19.0	9.1	239	2.19	10.2	4.1	3.0	31	0.3	0.5	<0.1	53	1.72	0.060	14
201024	Soil	0.6	22.8	10.2	67	<0.1	19.5	9.4	457	2.27	7.5	1.7	2.0	34	0.4	0.4	0.1	53	1.79	0.048	11
201941	Soil	0.7	28.8	8.0	61	<0.1	25.9	9.6	348	2.18	8.8	4.1	4.0	35	0.2	0.6	<0.1	52	0.86	0.067	13
202070	Soil	1.0	29.2	16.1	48	0.2	17.1	9.3	542	2.46	6.3	1.4	2.5	28	0.3	0.4	0.2	61	0.33	0.044	18
201915	Soil	0.8	26.6	8.6	48	0.1	15.8	6.0	953	1.43	6.5	12.8	1.0	52	0.3	0.5	0.1	27	3.06	0.064	10
202078	Soil	0.8	13.7	9.2	42	<0.1	13.8	6.5	149	2.04	6.6	1.4	3.0	16	<0.1	0.5	0.1	55	0.24	0.022	12
202064	Soil	0.5	22.8	8.1	46	0.1	17.8	7.7	361	2.01	5.6	1.6	3.8	30	0.2	0.7	0.2	46	0.61	0.050	13
200369	Soil	0.7	27.1	7.2	48	<0.1	21.1	7.2	268	1.93	7.1	3.4	2.1	33	0.2	0.5	0.1	43	1.21	0.062	11
201907	Soil	0.9	35.2	12.0	50	0.1	23.7	10.0	332	2.36	7.1	14.9	6.8	29	<0.1	0.5	0.2	52	0.56	0.037	17
202080	Soil	1.0	19.7	12.6	54	<0.1	18.3	8.4	202	2.47	5.5	0.9	4.5	19	<0.1	0.9	0.2	59	0.27	0.017	13



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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201032	Soil	21	0.54	445	0.035	3	1.07	0.015	0.05	0.1	0.09	3.4	<0.1	0.09	3	<0.5	<0.2
201102	Soil	29	0.45	156	0.060	2	1.77	0.008	0.06	0.2	0.02	3.3	0.2	<0.05	7	<0.5	<0.2
201104	Soil	36	0.59	172	0.066	3	2.31	0.009	0.06	0.2	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
201074	Soil	28	0.52	306	0.060	3	1.41	0.023	0.06	0.2	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
201040	Soil	28	0.53	272	0.072	1	1.55	0.015	0.09	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
201912	Soil	21	0.36	428	0.032	6	1.01	0.014	0.06	0.8	0.08	2.9	<0.1	0.10	3	<0.5	<0.2
201069	Soil	44	0.97	262	0.095	3	1.97	0.013	0.33	0.4	0.03	4.5	0.3	<0.05	7	<0.5	<0.2
201076	Soil	38	0.45	560	0.050	3	3.10	0.012	0.10	0.3	0.09	8.8	0.1	<0.05	8	<0.5	<0.2
201099	Soil	26	0.54	204	0.062	2	1.75	0.008	0.10	0.2	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
201944	Soil	31	0.57	292	0.065	2	1.38	0.025	0.08	0.3	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
201906	Soil	31	0.53	433	0.067	2	1.54	0.022	0.07	0.8	0.05	4.7	<0.1	<0.05	5	<0.5	<0.2
202066	Soil	29	0.46	313	0.068	2	1.62	0.026	0.06	0.2	0.06	5.1	<0.1	<0.05	5	<0.5	<0.2
202071	Soil	33	0.46	280	0.064	2	1.90	0.010	0.08	0.2	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
201926	Soil	25	0.53	273	0.061	2	1.45	0.017	0.10	0.1	0.04	5.5	0.1	<0.05	5	<0.5	<0.2
201026	Soil	26	0.57	277	0.056	3	1.46	0.019	0.05	0.2	0.05	4.3	<0.1	0.05	4	<0.5	<0.2
201940	Soil	25	0.74	287	0.060	3	1.12	0.024	0.09	0.3	0.04	3.7	<0.1	<0.05	3	<0.5	<0.2
201022	Soil	22	0.50	299	0.041	5	1.35	0.016	0.06	<0.1	0.05	3.8	<0.1	0.08	4	<0.5	<0.2
202077	Soil	26	0.25	149	0.061	2	1.79	0.007	0.05	0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
201025	Soil	26	0.48	239	0.051	3	1.39	0.018	0.05	0.1	0.08	3.9	<0.1	<0.05	4	<0.5	<0.2
202072	Soil	31	0.37	209	0.056	2	2.10	0.008	0.07	0.2	0.05	3.7	0.1	<0.05	7	<0.5	<0.2
201029	Soil	26	0.64	205	0.055	2	1.37	0.017	0.05	0.2	0.07	4.9	<0.1	<0.05	4	<0.5	<0.2
201024	Soil	25	0.54	229	0.055	3	1.47	0.018	0.06	<0.1	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
201941	Soil	28	0.59	275	0.063	2	1.21	0.024	0.08	0.2	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
202070	Soil	30	0.26	328	0.065	3	2.13	0.013	0.08	0.2	0.07	4.6	<0.1	<0.05	7	<0.5	<0.2
201915	Soil	16	0.35	313	0.019	8	0.80	0.011	0.05	0.4	0.11	1.8	<0.1	0.13	2	0.7	<0.2
202078	Soil	25	0.38	253	0.048	1	1.34	0.008	0.04	0.2	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
202064	Soil	24	0.39	275	0.052	2	1.19	0.016	0.04	0.2	0.05	4.0	<0.1	<0.05	4	<0.5	<0.2
200369	Soil	24	0.50	243	0.041	3	1.06	0.015	0.05	0.3	0.04	3.1	<0.1	<0.05	3	<0.5	<0.2
201907	Soil	28	0.49	473	0.056	1	1.36	0.016	0.05	1.0	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
202080	Soil	35	0.49	251	0.060	1	1.69	0.009	0.05	0.2	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201061	Soil	0.9	29.3	9.1	52	<0.1	22.7	9.1	303	2.76	8.0	1.8	6.8	23	<0.1	0.6	0.1	60	0.29	0.017	17
201066	Soil	1.2	19.5	9.5	55	<0.1	22.8	10.1	404	2.84	10.0	1.9	5.5	20	<0.1	0.6	0.1	67	0.26	0.021	12
201911	Soil	0.5	27.9	11.8	49	0.1	19.0	7.2	383	1.75	5.2	15.1	2.9	46	0.4	0.4	0.1	39	2.50	0.061	16
201908	Soil	0.9	35.9	13.1	48	0.2	24.5	10.0	426	2.25	6.4	14.5	5.3	40	0.1	0.5	0.1	51	0.88	0.049	16
201089	Soil	0.7	17.1	10.2	38	<0.1	15.0	6.0	138	2.54	8.4	1.5	6.6	17	<0.1	0.4	0.1	64	0.25	0.023	18
201933	Soil	1.0	27.9	9.4	78	<0.1	18.6	11.8	317	2.85	4.7	0.9	1.9	28	0.1	0.2	<0.1	80	0.49	0.068	10
201909	Soil	0.9	34.4	9.5	40	0.1	20.4	7.8	568	1.73	5.0	14.5	1.9	66	0.2	0.5	0.2	39	1.54	0.069	12
201934	Soil	0.7	24.2	8.9	84	<0.1	17.0	12.1	395	3.00	4.3	2.3	2.8	28	<0.1	0.2	<0.1	80	0.60	0.064	16
201945	Soil	0.9	28.8	9.1	64	0.1	27.2	10.2	429	2.37	8.3	1.6	3.5	39	0.2	0.6	<0.1	56	1.32	0.072	12
201916	Soil	1.2	27.3	91.5	75	0.3	12.4	10.3	339	2.87	5.1	3.5	3.8	27	<0.1	0.3	<0.1	62	0.80	0.062	23
201036	Soil	0.2	18.0	7.2	58	<0.1	15.2	7.3	231	1.89	5.0	1.4	1.8	29	0.2	0.3	<0.1	47	1.65	0.060	10
201992	Soil	0.7	15.0	7.0	42	<0.1	14.1	6.5	266	1.67	5.4	6.9	1.4	40	<0.1	0.3	<0.1	40	1.79	0.048	9
201034	Soil	0.2	17.2	7.3	51	<0.1	15.2	7.7	334	1.91	6.6	0.6	1.7	29	0.2	0.3	<0.1	43	1.57	0.053	11
201095	Soil	0.7	22.5	8.9	46	<0.1	21.3	9.2	221	2.63	7.9	2.8	6.2	17	<0.1	0.3	<0.1	63	0.22	0.036	16
201988	Soil	0.5	20.4	6.6	61	<0.1	19.6	8.5	371	2.04	5.5	1.1	2.2	32	0.2	0.4	<0.1	50	1.13	0.073	10
202062	Soil	0.7	24.4	8.4	51	<0.1	20.6	9.3	392	2.21	7.2	1.9	3.6	32	0.2	0.5	<0.1	53	0.62	0.059	13
201984	Soil	0.6	18.7	7.9	56	<0.1	18.8	7.1	206	2.08	4.8	3.1	3.0	30	<0.1	0.4	0.3	51	0.68	0.071	11
202068	Soil	0.6	20.9	11.5	58	<0.1	18.2	11.1	317	2.62	6.1	2.5	5.8	23	<0.1	0.6	0.2	60	0.36	0.029	21
202063	Soil	0.8	21.0	9.5	55	<0.1	16.4	10.3	567	2.24	6.2	0.9	3.9	29	0.2	0.7	0.2	54	0.55	0.046	13
201060	Soil	0.7	26.8	9.4	50	<0.1	21.8	9.4	357	2.70	10.2	3.3	5.3	30	<0.1	0.5	0.2	61	0.51	0.050	15
202002	Soil	1.3	28.9	23.3	80	0.1	16.6	10.8	915	2.58	7.3	1.8	4.1	54	0.1	0.4	0.3	54	1.35	0.051	18
202065	Soil	0.8	28.2	10.2	51	0.1	21.1	10.7	366	2.37	7.1	4.9	4.1	33	0.3	0.6	0.1	57	0.59	0.053	15
202075	Soil	0.8	12.3	11.0	31	<0.1	8.7	4.2	100	1.85	4.7	<0.5	1.6	11	<0.1	0.4	0.1	54	0.12	0.023	9
201989	Soil	0.4	22.2	7.5	56	<0.1	18.9	7.3	353	2.25	8.2	<0.5	2.3	33	0.1	0.4	<0.1	53	1.33	0.060	11
201990	Soil	0.9	20.5	7.1	49	<0.1	19.1	8.4	572	2.16	7.8	2.4	1.9	34	0.3	0.4	<0.1	51	1.30	0.061	10
202083	Soil	0.8	22.9	7.6	50	<0.1	20.0	10.0	497	2.20	8.2	21.9	3.2	32	0.1	0.5	<0.1	55	0.59	0.067	13
202990	Soil	0.5	27.5	7.7	44	<0.1	25.5	9.6	362	2.43	8.3	1.6	4.1	25	<0.1	0.5	<0.1	54	0.38	0.035	14
204457	Soil	0.7	18.0	8.8	56	<0.1	17.0	8.9	386	2.20	6.6	1.2	3.4	29	<0.1	0.5	<0.1	54	0.56	0.056	12
204442	Soil	0.8	20.3	7.7	51	<0.1	19.2	9.5	366	2.38	6.7	1.0	3.8	26	<0.1	0.5	<0.1	57	0.47	0.070	13
201995	Soil	0.4	23.8	8.4	50	<0.1	19.8	8.5	141	2.21	5.1	1.1	2.9	28	<0.1	0.5	<0.1	58	0.94	0.057	12



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PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201061	Soil	36	0.52	251	0.060	<1	1.53	0.014	0.06	0.2	0.03	5.9	<0.1	<0.05	5	<0.5	<0.2
201066	Soil	36	0.49	201	0.068	2	1.60	0.011	0.10	0.2	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
201911	Soil	23	0.75	381	0.033	4	0.98	0.013	0.05	3.0	0.09	2.8	<0.1	<0.05	3	0.7	<0.2
201908	Soil	28	0.43	527	0.049	2	1.34	0.016	0.05	1.0	0.05	4.1	<0.1	<0.05	4	<0.5	<0.2
201089	Soil	28	0.44	197	0.053	2	1.71	0.008	0.07	0.2	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
201933	Soil	35	1.10	231	0.128	1	1.79	0.011	0.33	0.1	0.03	4.2	0.2	<0.05	8	<0.5	<0.2
201909	Soil	21	0.37	622	0.033	2	1.06	0.013	0.04	0.8	0.05	2.7	<0.1	0.05	3	0.8	<0.2
201934	Soil	35	1.07	308	0.127	2	1.82	0.010	0.41	0.1	0.02	5.4	0.2	<0.05	7	<0.5	<0.2
201945	Soil	28	0.73	312	0.065	2	1.25	0.030	0.07	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
201916	Soil	23	0.91	278	0.103	2	1.54	0.012	0.32	0.1	0.03	8.0	0.2	<0.05	6	<0.5	<0.2
201036	Soil	23	0.47	178	0.053	2	1.18	0.016	0.04	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
201992	Soil	19	0.40	285	0.039	2	1.02	0.014	0.04	0.2	0.04	2.6	<0.1	0.06	3	0.5	<0.2
201034	Soil	21	0.34	206	0.042	3	1.15	0.015	0.04	0.2	0.04	3.3	<0.1	0.06	4	<0.5	<0.2
201095	Soil	33	0.49	202	0.062	2	1.76	0.009	0.04	0.2	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
201988	Soil	24	0.56	221	0.056	3	1.15	0.020	0.08	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
202062	Soil	27	0.47	294	0.054	2	1.33	0.021	0.06	0.1	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
201984	Soil	29	0.55	209	0.058	2	1.32	0.019	0.06	0.2	0.03	4.0	0.1	<0.05	4	<0.5	<0.2
202068	Soil	35	0.51	310	0.066	2	1.81	0.012	0.07	0.2	0.04	5.8	<0.1	<0.05	6	<0.5	<0.2
202063	Soil	26	0.45	320	0.056	2	1.47	0.017	0.05	0.2	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
201060	Soil	32	0.55	293	0.060	1	1.47	0.020	0.06	0.2	0.03	5.5	<0.1	<0.05	4	<0.5	<0.2
202002	Soil	25	0.54	359	0.051	3	1.31	0.011	0.09	0.1	0.05	4.6	0.1	<0.05	5	1.0	<0.2
202065	Soil	29	0.45	330	0.054	1	1.43	0.017	0.06	0.2	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
202075	Soil	19	0.17	178	0.049	1	1.21	0.007	0.05	0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
201989	Soil	26	0.49	246	0.049	3	1.22	0.017	0.06	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
201990	Soil	24	0.42	269	0.045	3	1.23	0.017	0.04	0.2	0.03	3.2	<0.1	0.06	4	<0.5	<0.2
202083	Soil	26	0.44	275	0.052	2	1.19	0.018	0.04	0.2	0.03	3.6	<0.1	<0.05	3	0.5	<0.2
202990	Soil	31	0.49	281	0.054	1	1.24	0.019	0.05	0.1	0.03	5.6	<0.1	<0.05	4	<0.5	<0.2
204457	Soil	27	0.46	281	0.055	2	1.43	0.014	0.05	0.2	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
204442	Soil	29	0.46	249	0.059	1	1.35	0.016	0.05	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
201995	Soil	28	0.44	289	0.052	1	1.34	0.016	0.04	0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202991	Soil	0.7	19.4	8.3	46	<0.1	17.5	8.8	216	2.51	6.2	2.0	4.3	17	<0.1	0.5	0.2	61	0.18	0.017	13
204440	Soil	0.9	17.0	7.2	52	<0.1	17.1	9.3	439	2.26	6.4	10.3	3.3	32	0.1	0.5	0.2	55	0.53	0.067	15
203997	Soil	1.0	19.4	10.8	41	1.0	15.7	7.0	179	2.22	5.9	124.7	3.9	17	<0.1	1.5	0.4	59	0.27	0.016	14
202048	Soil	1.1	24.6	15.0	64	0.3	17.0	9.3	264	2.88	7.4	<0.5	2.9	26	0.2	0.7	0.3	65	0.34	0.059	19
204448	Soil	0.7	14.4	7.7	56	<0.1	16.2	7.0	252	2.10	6.1	1.8	2.7	27	0.1	0.4	0.2	54	0.40	0.060	11
204003	Soil	1.4	15.0	9.9	49	<0.1	16.5	8.2	305	3.10	8.6	0.8	3.3	16	<0.1	0.7	0.2	74	0.20	0.017	12
204449	Soil	0.8	18.7	9.4	57	0.1	16.2	9.4	488	2.28	5.8	2.3	3.6	32	<0.1	0.7	0.2	53	0.55	0.053	18
201982	Soil	0.7	32.5	8.1	64	0.1	28.5	11.4	414	2.62	8.8	1.8	3.6	33	0.2	0.7	0.2	60	0.76	0.086	13
203996	Soil	1.1	12.5	9.5	37	0.3	13.2	6.3	287	2.12	5.2	1.0	2.8	16	<0.1	0.8	0.2	58	0.21	0.022	12
204016	Soil	0.7	28.0	14.6	73	0.2	20.3	9.6	352	2.83	5.5	4.7	6.4	26	0.1	1.2	0.3	59	0.59	0.046	28
204444	Soil	1.0	25.3	8.2	56	<0.1	19.7	11.6	390	2.62	9.1	5.1	3.9	24	<0.1	0.5	0.2	66	0.39	0.067	14
202044	Soil	0.7	19.4	8.3	49	<0.1	16.8	9.2	340	2.24	6.0	1.5	3.9	26	0.1	0.5	0.2	55	0.39	0.050	14
201122	Soil	1.3	12.2	7.1	57	<0.1	19.7	10.4	489	2.40	4.6	1.8	3.3	48	<0.1	0.3	0.1	48	3.40	0.047	16
204452	Soil	0.8	12.0	9.7	54	0.1	13.6	8.2	305	2.34	5.6	2.4	4.4	23	<0.1	0.7	0.2	55	0.36	0.043	15
204447	Soil	0.9	29.9	8.7	54	0.1	25.0	10.5	384	2.56	9.1	2.4	3.9	35	0.1	0.7	0.2	65	0.61	0.064	13
204007	Soil	0.9	16.6	10.4	49	<0.1	17.4	8.1	221	2.41	6.5	0.8	3.5	20	<0.1	0.8	0.2	63	0.26	0.016	13
201128	Soil	0.5	24.8	9.5	62	<0.1	19.9	9.9	535	2.34	7.4	2.3	2.7	36	0.2	0.5	0.2	52	1.68	0.056	15
204455	Soil	0.8	22.8	10.2	60	0.1	18.8	8.8	326	2.35	6.8	1.6	4.2	29	0.1	0.6	0.2	58	0.46	0.056	17
201113	Soil	0.3	20.0	17.5	84	<0.1	8.4	7.2	542	2.65	3.9	0.5	9.5	12	<0.1	0.3	0.4	58	0.57	0.061	28
204453	Soil	0.5	13.9	7.7	56	<0.1	13.5	7.1	232	2.25	5.8	2.9	4.4	23	0.1	0.8	0.2	53	0.36	0.051	15
204454	Soil	0.7	12.2	11.0	60	0.2	12.8	8.4	319	2.35	5.3	3.5	4.5	23	<0.1	1.0	0.2	56	0.36	0.044	15
204441	Soil	0.8	20.8	7.6	54	<0.1	18.9	11.1	423	2.29	7.4	3.0	3.6	30	<0.1	0.5	0.2	60	0.50	0.061	12
204446	Soil	1.0	16.3	8.6	56	<0.1	20.0	7.5	215	2.40	7.7	2.1	3.1	30	<0.1	0.5	0.2	63	0.46	0.056	11
204445	Soil	0.7	22.0	7.2	53	<0.1	21.9	9.2	383	2.20	7.3	4.6	3.0	30	0.2	0.5	0.1	57	0.53	0.068	12
201139	Soil	0.9	16.7	6.6	49	<0.1	20.2	8.1	247	2.44	6.3	6.9	5.4	18	<0.1	0.4	0.2	55	0.21	0.024	12
204451	Soil	0.7	16.8	9.1	70	<0.1	15.6	9.4	335	2.68	6.2	7.5	4.9	25	0.1	0.6	0.2	60	0.41	0.064	18
204450	Soil	0.6	13.6	7.0	64	<0.1	14.4	8.6	299	2.38	5.2	0.7	4.5	23	<0.1	0.6	0.1	54	0.39	0.064	15
204458	Soil	0.9	23.7	8.9	55	<0.1	24.1	10.3	304	2.54	8.5	6.9	3.9	29	<0.1	0.6	0.3	63	0.47	0.063	14
200983	Soil	0.9	27.0	10.8	67	0.1	21.0	10.8	331	2.71	6.4	1.7	2.8	45	<0.1	0.4	0.2	73	0.71	0.060	18
200980	Soil	0.5	29.0	14.1	63	0.1	21.8	11.1	484	2.72	7.3	2.2	3.4	43	<0.1	0.4	0.2	66	0.83	0.076	18



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202991	Soil	33	0.47	158	0.067	2	1.64	0.007	0.04	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
204440	Soil	26	0.43	238	0.055	1	1.23	0.018	0.05	0.3	0.05	3.5	<0.1	<0.05	4	<0.5	<0.2
203997	Soil	26	0.37	231	0.040	1	1.38	0.010	0.04	0.1	1.02	3.4	<0.1	<0.05	5	<0.5	<0.2
202048	Soil	31	0.41	411	0.051	2	2.14	0.010	0.08	0.2	0.06	4.1	<0.1	<0.05	8	<0.5	<0.2
204448	Soil	25	0.43	219	0.048	2	1.26	0.014	0.04	0.3	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
204003	Soil	34	0.53	232	0.056	1	1.91	0.009	0.04	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
204449	Soil	27	0.38	449	0.053	2	1.51	0.013	0.05	0.2	0.06	4.4	<0.1	<0.05	5	<0.5	<0.2
201982	Soil	30	0.66	227	0.070	2	1.21	0.027	0.08	0.2	0.03	4.1	<0.1	<0.05	4	0.6	<0.2
203996	Soil	25	0.33	256	0.050	2	1.06	0.010	0.09	0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
204016	Soil	31	0.52	267	0.067	<1	1.69	0.018	0.07	0.2	0.09	5.7	<0.1	<0.05	6	<0.5	<0.2
204444	Soil	30	0.45	229	0.060	1	1.43	0.014	0.05	0.2	0.04	4.3	<0.1	<0.05	5	0.5	<0.2
202044	Soil	29	0.45	246	0.063	1	1.37	0.016	0.04	0.2	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
201122	Soil	41	0.90	195	0.053	<1	1.71	0.007	0.08	<0.1	0.08	4.5	0.2	<0.05	5	<0.5	<0.2
204452	Soil	28	0.45	246	0.062	1	1.44	0.011	0.06	0.2	0.07	3.8	<0.1	<0.05	5	<0.5	<0.2
204447	Soil	31	0.52	276	0.073	1	1.40	0.023	0.06	0.2	0.04	4.5	<0.1	<0.05	4	0.6	<0.2
204007	Soil	33	0.45	230	0.055	1	1.58	0.010	0.05	0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
201128	Soil	23	0.41	252	0.037	4	1.26	0.013	0.06	0.2	0.10	3.7	<0.1	<0.05	4	0.8	<0.2
204455	Soil	30	0.45	301	0.063	1	1.55	0.015	0.05	0.3	0.05	4.2	<0.1	<0.05	5	<0.5	<0.2
201113	Soil	10	0.63	128	0.050	<1	1.45	0.008	0.25	<0.1	0.01	4.6	0.2	<0.05	8	<0.5	<0.2
204453	Soil	27	0.43	265	0.061	<1	1.26	0.013	0.05	0.2	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
204454	Soil	26	0.38	336	0.061	2	1.37	0.013	0.07	0.2	0.07	3.7	<0.1	<0.05	5	<0.5	<0.2
204441	Soil	29	0.45	246	0.059	<1	1.36	0.017	0.04	0.2	0.02	3.8	<0.1	<0.05	4	0.5	<0.2
204446	Soil	29	0.48	246	0.062	2	1.46	0.017	0.05	0.2	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
204445	Soil	27	0.44	254	0.056	<1	1.23	0.019	0.04	0.3	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
201139	Soil	42	0.47	159	0.063	1	1.33	0.009	0.07	0.3	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
204451	Soil	29	0.71	294	0.068	1	1.71	0.012	0.12	0.2	0.05	4.4	<0.1	<0.05	6	<0.5	<0.2
204450	Soil	27	0.56	213	0.067	<1	1.34	0.012	0.08	0.3	0.05	3.4	<0.1	<0.05	5	<0.5	<0.2
204458	Soil	32	0.49	273	0.063	1	1.48	0.019	0.04	0.3	0.04	4.0	0.1	<0.05	4	<0.5	<0.2
200983	Soil	31	0.72	325	0.088	2	1.61	0.016	0.11	0.1	0.03	4.6	<0.1	<0.05	7	0.6	<0.2
200980	Soil	30	0.63	323	0.075	<1	1.50	0.019	0.09	0.1	0.04	4.9	<0.1	<0.05	5	0.7	<0.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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680 3rd Ave, Suite 203
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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
204443	Soil	0.7	24.9	7.9	54	<0.1	23.9	10.3	389	2.43	7.9	5.4	3.4	34	0.2	0.5	0.2	63	0.61	0.072	13
201141	Soil	0.9	16.9	8.1	49	<0.1	16.6	7.6	195	2.54	8.2	3.6	3.6	21	<0.1	0.4	0.2	65	0.27	0.040	12
201904	Soil	0.8	19.5	8.3	49	<0.1	19.0	10.6	637	2.21	6.8	5.2	2.3	43	0.1	0.4	0.2	57	0.89	0.062	11
200963	Soil	0.5	24.3	9.7	44	0.1	15.1	7.2	369	1.61	5.3	4.2	1.0	50	0.2	0.5	0.2	41	2.12	0.058	11
201126	Soil	0.7	22.3	8.9	73	<0.1	17.6	9.1	433	2.13	8.1	0.5	1.1	41	0.2	0.5	0.1	48	2.38	0.058	10
201118	Soil	0.4	15.0	7.5	53	<0.1	13.7	8.4	391	2.02	6.2	1.0	3.2	29	0.1	0.4	0.1	44	1.01	0.070	16
200372	Soil	0.8	26.1	15.6	75	0.1	15.0	11.4	454	2.82	8.7	2.8	3.3	28	0.1	0.4	0.2	49	0.92	0.070	23
200992	Soil	0.6	32.3	9.1	53	0.1	24.5	8.7	322	2.54	8.4	6.3	4.2	32	<0.1	0.6	0.2	57	0.56	0.059	14
203962	Soil	0.7	30.4	8.7	48	0.1	27.1	9.3	427	2.50	11.9	2.8	2.7	45	0.1	0.6	0.2	57	0.89	0.062	12
203961	Soil	0.7	32.3	8.3	55	0.1	27.7	10.3	420	2.39	10.5	3.0	3.3	39	0.2	0.6	0.2	60	0.81	0.061	13
201924	Soil	0.7	22.7	7.9	91	<0.1	17.3	11.5	397	3.47	5.4	2.1	2.8	19	<0.1	0.2	0.1	87	0.41	0.078	9
200993	Soil	0.8	28.9	8.9	50	0.1	24.3	9.4	356	2.54	7.6	5.3	4.0	33	<0.1	0.6	0.2	60	0.56	0.058	14
200957	Soil	1.2	49.1	26.2	82	0.2	19.1	11.9	436	2.96	7.4	17.2	6.0	30	0.1	0.6	0.3	67	0.65	0.022	12
201125	Soil	0.5	20.1	6.0	50	<0.1	15.8	7.0	429	1.69	7.0	1.0	0.8	51	0.4	0.4	0.2	39	3.21	0.069	9
200795	Soil	0.4	22.3	7.4	77	<0.1	19.0	10.2	511	2.48	5.5	2.1	2.9	31	<0.1	0.4	0.1	54	0.83	0.064	15
202819	Soil	0.8	25.8	11.8	48	0.1	19.4	8.6	330	2.21	6.9	9.0	3.0	33	0.1	0.4	0.2	56	0.75	0.058	14
201902	Soil	0.6	21.4	8.8	53	<0.1	20.0	8.1	342	2.00	6.7	6.5	1.6	44	0.3	0.4	0.2	52	2.04	0.058	11
201936	Soil	1.2	25.5	31.8	66	0.1	20.7	9.0	494	1.98	9.0	9.1	1.6	50	0.5	0.6	0.2	45	1.39	0.068	11
201932	Soil	0.5	15.2	6.9	81	<0.1	19.4	12.4	377	2.79	6.3	1.8	2.5	28	<0.1	0.2	<0.1	70	0.49	0.090	13
201943	Soil	0.8	22.7	7.7	50	<0.1	19.7	10.1	433	2.35	6.9	10.2	3.5	35	0.2	0.4	0.2	58	0.56	0.068	14
201910	Soil	0.6	29.8	9.7	43	0.2	17.4	7.0	368	1.65	4.5	24.2	2.4	52	0.3	0.5	0.2	42	2.00	0.057	18
201938	Soil	0.9	20.2	7.8	53	<0.1	22.5	9.7	417	2.26	7.9	12.3	3.0	31	0.2	0.5	0.2	59	0.61	0.063	11
201935	Soil	0.6	21.6	7.3	58	<0.1	19.1	8.2	245	2.14	6.3	2.2	3.0	35	0.1	0.5	0.1	59	0.82	0.063	13
200994	Soil	0.7	28.7	8.8	55	0.1	25.0	10.3	382	2.58	8.2	2.9	4.2	33	0.1	0.6	0.2	65	0.58	0.060	15
200982	Soil	0.8	23.3	10.7	68	<0.1	21.3	12.1	403	2.80	6.4	1.7	3.3	40	<0.1	0.3	0.2	74	0.71	0.083	17
201942	Soil	0.8	26.7	7.5	56	<0.1	24.3	10.2	389	2.46	9.4	5.2	3.4	44	0.2	0.6	0.2	65	1.13	0.078	13
201939	Soil	0.8	28.3	8.3	56	<0.1	28.1	10.8	468	2.50	9.1	6.0	3.6	46	0.2	0.7	0.2	58	1.38	0.082	12
200960	Soil	0.8	51.0	13.4	53	0.2	23.6	9.1	400	2.11	5.9	11.0	2.8	51	0.3	0.8	0.3	51	1.39	0.061	21
201914	Soil	0.9	27.3	11.5	55	0.2	20.0	8.0	473	1.94	8.3	16.8	1.4	49	0.4	0.6	0.2	44	2.84	0.058	12
201913	Soil	0.5	22.2	9.9	50	0.2	15.2	6.5	565	1.50	5.6	20.3	1.2	48	0.4	0.4	0.2	31	2.55	0.053	11



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
204443	Soil	30	0.48	242	0.064	1	1.28	0.019	0.05	0.3	0.03	4.1	<0.1	<0.05	4	0.6	<0.2
201141	Soil	32	0.46	212	0.061	<1	1.51	0.009	0.05	0.2	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
201904	Soil	26	0.43	398	0.046	2	1.38	0.017	0.04	1.0	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
200963	Soil	19	0.36	337	0.029	4	0.90	0.014	0.06	0.6	0.07	2.1	<0.1	0.08	3	0.7	<0.2
201126	Soil	22	0.41	264	0.042	3	1.21	0.013	0.06	<0.1	0.17	4.6	0.1	0.09	4	0.6	<0.2
201118	Soil	20	0.46	182	0.049	1	1.18	0.011	0.05	0.1	0.05	4.5	<0.1	<0.05	4	0.5	<0.2
200372	Soil	21	0.80	228	0.077	2	1.51	0.010	0.21	0.2	0.06	5.9	0.2	<0.05	5	<0.5	<0.2
200992	Soil	29	0.52	369	0.061	2	1.43	0.020	0.05	0.2	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2
203962	Soil	28	0.52	333	0.061	1	1.41	0.022	0.06	0.2	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
203961	Soil	27	0.60	301	0.070	<1	1.39	0.025	0.07	0.2	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
201924	Soil	24	0.85	219	0.089	2	2.11	0.009	0.27	0.1	0.02	6.4	0.1	<0.05	9	<0.5	<0.2
200993	Soil	30	0.49	359	0.064	1	1.49	0.019	0.05	0.3	0.04	5.0	<0.1	<0.05	4	<0.5	<0.2
200957	Soil	31	0.64	468	0.087	2	1.66	0.017	0.08	3.1	0.05	5.1	<0.1	<0.05	5	<0.5	<0.2
201125	Soil	17	0.36	390	0.032	4	1.02	0.014	0.04	0.1	0.16	2.8	<0.1	<0.05	3	0.7	<0.2
200795	Soil	27	0.83	193	0.102	1	1.58	0.015	0.21	0.2	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
202819	Soil	27	0.45	450	0.052	<1	1.27	0.017	0.05	1.6	0.04	4.0	<0.1	<0.05	4	0.5	<0.2
201902	Soil	26	0.78	295	0.043	2	1.21	0.018	0.05	0.9	0.05	3.2	<0.1	<0.05	3	0.7	<0.2
201936	Soil	22	0.45	490	0.040	3	1.09	0.018	0.07	1.0	0.06	2.9	<0.1	0.05	3	0.6	<0.2
201932	Soil	33	1.23	257	0.126	<1	1.79	0.012	0.52	0.1	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
201943	Soil	27	0.45	284	0.060	<1	1.40	0.017	0.05	0.2	0.04	4.2	<0.1	<0.05	4	0.6	<0.2
201910	Soil	21	0.37	554	0.034	4	0.99	0.016	0.05	2.4	0.08	2.7	<0.1	<0.05	3	0.7	<0.2
201938	Soil	27	0.53	241	0.060	2	1.24	0.021	0.06	0.2	0.02	4.0	<0.1	<0.05	4	0.5	<0.2
201935	Soil	25	0.58	235	0.069	3	1.20	0.023	0.05	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
200994	Soil	31	0.49	313	0.074	<1	1.45	0.023	0.06	0.3	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
200982	Soil	34	0.95	297	0.098	1	1.72	0.017	0.20	0.2	0.03	5.3	0.1	<0.05	6	<0.5	<0.2
201942	Soil	29	0.61	204	0.072	2	1.25	0.027	0.09	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
201939	Soil	27	0.75	288	0.062	1	1.21	0.027	0.08	0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
200960	Soil	25	0.44	533	0.047	2	1.23	0.017	0.06	1.0	0.10	3.6	<0.1	<0.05	4	1.2	<0.2
201914	Soil	21	0.65	248	0.033	4	1.04	0.015	0.07	0.9	0.10	2.8	<0.1	0.05	3	0.7	<0.2
201913	Soil	17	0.49	269	0.027	4	0.85	0.012	0.05	0.8	0.10	2.1	<0.1	0.05	2	0.7	<0.2



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CERTIFICATE OF ANALYSIS

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203848	Soil	0.8	22.0	9.3	43	0.1	19.8	9.5	528	2.01	7.0	18.4	2.8	41	0.4	0.5	0.2	44	1.50	0.051	13
203849	Soil	0.7	20.0	7.9	44	0.1	18.7	8.2	394	1.87	5.7	6.9	1.9	44	0.2	0.4	0.1	43	1.77	0.051	11
203870	Soil	0.8	16.8	5.7	92	<0.1	14.5	14.4	706	3.12	4.1	2.0	2.7	27	<0.1	0.2	0.1	78	0.63	0.082	8
203878	Soil	0.7	28.4	10.1	52	0.1	21.6	8.7	369	2.14	5.9	8.2	3.4	42	0.2	0.6	0.2	55	0.88	0.055	13
203875	Soil	0.5	28.9	8.9	47	0.1	21.0	8.8	415	2.11	6.7	7.5	2.2	42	0.2	0.5	0.2	53	1.68	0.046	12
203852	Soil	0.7	22.2	9.3	46	0.1	18.0	8.0	606	1.95	7.3	7.9	2.2	36	0.3	0.5	0.2	44	1.95	0.053	14
203876	Soil	0.8	26.0	8.8	49	0.1	18.2	9.2	433	2.13	6.9	7.8	3.1	34	0.1	0.4	0.2	51	0.87	0.048	12
203854	Soil	0.8	25.2	9.5	65	<0.1	17.5	12.6	435	2.80	4.9	2.1	5.2	20	<0.1	0.3	0.1	55	0.45	0.029	28
203851	Soil	0.5	24.0	7.9	45	0.1	18.5	8.0	295	1.92	6.9	8.5	2.2	41	0.3	0.5	0.2	49	1.58	0.054	12
203847	Soil	1.0	29.3	11.8	48	0.1	22.9	9.9	429	2.32	7.3	9.4	3.9	35	<0.1	0.6	0.2	58	0.66	0.048	14
203873	Soil	0.5	28.1	10.0	48	0.1	19.9	8.2	414	2.11	7.7	5.8	2.5	39	0.2	0.5	0.2	51	1.76	0.051	13
201917	Soil	0.4	15.4	6.2	72	<0.1	11.4	10.5	575	2.73	3.8	0.8	3.3	16	<0.1	0.2	0.1	62	0.44	0.066	15
203850	Soil	0.8	20.4	7.8	42	<0.1	16.7	7.3	322	1.85	6.3	15.7	2.2	39	0.1	0.5	0.1	43	1.16	0.054	12
203845	Soil	1.4	34.2	14.6	47	0.2	20.5	8.8	395	1.93	5.9	27.6	3.6	53	0.2	0.7	0.2	38	0.95	0.052	17
203872	Soil	1.2	25.9	15.0	68	0.1	17.8	9.8	600	2.45	16.7	7.0	3.3	45	0.6	0.9	0.2	46	2.63	0.072	20
202818	Soil	0.5	16.3	7.3	40	<0.1	12.9	6.1	328	1.41	5.0	9.4	1.0	65	0.4	0.3	0.1	30	2.45	0.055	11
202930	Soil	0.9	26.7	8.9	55	0.1	20.4	9.9	418	2.46	19.4	<0.5	3.7	35	0.1	0.5	0.2	51	0.68	0.065	14
201052	Soil	0.6	16.4	6.7	62	<0.1	15.5	5.7	208	1.63	4.0	5.3	2.2	36	0.2	0.4	0.1	38	0.90	0.071	10
201974	Soil	0.7	19.9	8.3	40	<0.1	16.9	7.2	325	1.79	7.5	2.7	1.5	88	0.3	0.5	0.1	38	3.44	0.055	11
203877	Soil	0.7	28.9	10.1	52	0.1	17.9	8.9	301	2.19	7.3	12.1	4.2	38	0.1	0.4	0.2	51	0.70	0.050	15
201973	Soil	0.7	22.7	8.0	49	<0.1	19.5	8.9	368	2.12	7.4	2.7	2.0	47	0.2	0.6	0.1	44	1.53	0.059	12
202948	Soil	1.1	16.4	10.2	68	<0.1	16.2	10.0	541	2.60	7.1	2.0	7.5	29	<0.1	0.4	0.2	52	0.36	0.064	11
202912	Soil	1.1	22.5	9.3	70	<0.1	14.0	9.3	489	2.33	5.2	3.6	3.4	39	0.2	0.4	0.2	45	1.91	0.057	19
201976	Soil	0.7	16.6	7.2	49	<0.1	15.1	7.1	337	1.79	6.5	6.6	1.8	45	0.2	0.4	0.1	39	1.97	0.055	11
201996	Soil	0.4	22.0	8.3	48	<0.1	18.7	9.4	305	2.27	8.1	2.9	2.7	39	0.2	0.5	0.1	47	1.11	0.055	13
202944	Soil	0.9	20.5	14.9	66	0.1	14.7	7.7	432	2.04	7.9	5.0	2.2	50	0.2	0.4	0.2	47	1.88	0.062	14
201041	Soil	0.8	26.1	8.4	48	0.1	20.4	8.9	482	2.33	8.5	3.2	3.4	36	0.2	0.6	0.2	49	0.59	0.056	14
202920	Soil	0.5	18.3	6.7	47	<0.1	14.1	7.4	396	1.77	7.6	14.1	1.5	39	0.2	0.4	<0.1	36	1.76	0.059	12
201975	Soil	0.6	16.7	7.2	50	<0.1	15.5	7.2	316	1.86	7.0	3.3	1.7	48	0.2	0.5	0.1	41	1.71	0.054	11
202927	Soil	0.5	15.1	6.4	56	<0.1	15.6	8.9	360	2.10	6.6	16.7	2.6	35	0.2	0.4	0.1	50	0.76	0.071	12



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203848	Soil	23	0.70	370	0.045	1	1.09	0.017	0.04	2.3	0.07	3.5	<0.1	<0.05	3	0.6	<0.2
203849	Soil	23	0.75	328	0.042	1	1.14	0.017	0.04	0.8	0.03	3.1	<0.1	<0.05	3	0.6	<0.2
203870	Soil	27	1.41	251	0.150	<1	1.85	0.012	0.57	0.1	0.01	10.9	0.2	<0.05	7	<0.5	<0.2
203878	Soil	27	0.46	381	0.056	2	1.36	0.020	0.05	1.4	0.04	3.8	<0.1	<0.05	4	0.6	<0.2
203875	Soil	25	0.47	331	0.049	3	1.26	0.019	0.05	0.6	0.05	3.5	<0.1	<0.05	4	0.7	<0.2
203852	Soil	20	0.69	294	0.038	3	1.02	0.015	0.08	1.4	0.08	3.2	<0.1	<0.05	3	<0.5	<0.2
203876	Soil	25	0.43	298	0.056	1	1.31	0.017	0.06	1.7	0.04	3.8	<0.1	<0.05	4	0.6	<0.2
203854	Soil	33	0.86	272	0.055	1	1.54	0.011	0.21	<0.1	0.02	6.9	0.2	<0.05	5	<0.5	<0.2
203851	Soil	23	0.42	274	0.043	2	1.07	0.018	0.05	1.9	0.06	3.1	<0.1	<0.05	3	0.7	<0.2
203847	Soil	29	0.46	480	0.055	<1	1.34	0.020	0.04	1.4	0.04	4.3	<0.1	<0.05	4	0.6	<0.2
203873	Soil	24	0.62	257	0.047	2	1.18	0.018	0.05	1.7	0.08	3.6	<0.1	<0.05	3	<0.5	<0.2
201917	Soil	19	0.95	211	0.128	<1	1.53	0.011	0.37	0.1	0.01	7.1	0.2	<0.05	6	<0.5	<0.2
203850	Soil	22	0.44	348	0.050	3	1.07	0.018	0.04	1.9	0.04	3.0	<0.1	<0.05	3	0.6	<0.2
203845	Soil	22	0.37	833	0.050	3	1.18	0.016	0.05	6.8	0.07	3.4	<0.1	<0.05	4	0.5	<0.2
203872	Soil	20	0.89	323	0.053	5	1.16	0.013	0.17	1.3	0.16	6.1	0.1	<0.05	4	<0.5	<0.2
202818	Soil	17	0.31	370	0.032	5	0.83	0.013	0.04	0.9	0.05	2.4	<0.1	<0.05	2	0.7	<0.2
202930	Soil	24	0.55	300	0.079	2	1.38	0.018	0.07	0.2	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
201052	Soil	23	0.50	196	0.057	5	1.02	0.022	0.06	0.2	0.04	2.9	<0.1	<0.05	3	0.7	<0.2
201974	Soil	19	0.45	591	0.051	2	1.08	0.016	0.04	0.2	0.05	2.7	<0.1	<0.05	3	0.7	<0.2
203877	Soil	26	0.50	362	0.074	2	1.42	0.020	0.06	0.9	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
201973	Soil	22	0.42	337	0.053	3	1.22	0.019	0.03	0.2	0.06	3.2	<0.1	<0.05	4	0.6	<0.2
202948	Soil	26	0.53	314	0.075	2	1.60	0.009	0.15	0.2	0.01	3.1	0.1	<0.05	5	<0.5	<0.2
202912	Soil	19	0.66	235	0.074	3	1.19	0.012	0.15	0.1	0.04	3.7	0.2	0.05	4	0.7	<0.2
201976	Soil	20	0.43	296	0.056	3	1.01	0.017	0.05	0.3	0.04	2.9	<0.1	<0.05	3	0.7	<0.2
201996	Soil	24	0.43	306	0.062	2	1.29	0.018	0.04	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
202944	Soil	22	0.51	283	0.052	3	1.10	0.015	0.06	0.2	0.05	3.2	<0.1	0.06	3	0.9	<0.2
201041	Soil	25	0.53	311	0.080	2	1.40	0.021	0.07	0.1	0.05	4.5	<0.1	<0.05	4	<0.5	<0.2
202920	Soil	19	0.38	231	0.051	3	1.01	0.015	0.04	0.2	0.06	2.9	<0.1	<0.05	3	<0.5	<0.2
201975	Soil	20	0.42	270	0.054	2	1.07	0.018	0.04	0.2	0.09	2.9	<0.1	<0.05	4	0.7	<0.2
202927	Soil	22	0.52	222	0.074	3	1.11	0.019	0.07	0.3	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201049	Soil	0.8	18.3	8.0	63	<0.1	13.7	7.8	355	2.20	13.1	2.3	2.3	44	<0.1	0.4	0.1	49	1.08	0.095	15
202917	Soil	0.3	16.3	7.3	43	<0.1	14.8	7.2	327	1.85	6.5	3.2	1.9	39	0.2	0.5	0.1	41	1.37	0.057	11
202963	Soil	1.1	18.3	9.4	49	<0.1	15.4	7.0	232	2.15	6.3	12.1	5.3	24	<0.1	0.4	0.2	50	0.39	0.045	19
202887	Soil	0.9	30.2	10.3	54	0.1	24.0	10.1	372	2.44	8.8	3.0	2.6	39	0.2	0.8	0.1	53	1.65	0.066	14
202892	Soil	0.9	24.2	13.1	77	<0.1	17.5	11.6	690	2.68	9.9	1.7	5.4	32	0.3	0.3	0.3	57	1.30	0.048	20
202000	Soil	0.6	24.6	13.7	68	0.1	18.6	10.1	614	2.37	7.4	10.3	2.3	39	0.3	0.4	0.2	49	2.06	0.059	14
202998	Soil	1.0	13.7	10.0	40	<0.1	12.1	5.1	142	2.19	7.4	1.8	3.2	24	<0.1	0.3	0.2	57	0.29	0.036	18
202886	Soil	1.2	18.6	7.8	60	<0.1	17.5	11.3	965	2.30	7.0	3.7	2.9	37	0.2	0.6	0.1	45	1.45	0.059	16
202971	Soil	1.0	18.6	10.6	48	0.1	16.9	7.9	303	2.25	6.0	2.0	5.4	29	<0.1	0.3	0.2	52	0.39	0.046	17
201971	Soil	0.8	31.6	32.3	100	0.1	18.3	11.9	778	2.75	6.6	2.7	2.7	42	0.3	0.3	0.1	63	1.59	0.045	15
202890	Soil	0.9	30.0	11.5	72	0.1	20.4	12.5	535	2.72	6.7	5.0	2.3	38	0.3	0.5	0.1	60	2.06	0.057	13
202976	Soil	1.0	13.7	11.0	44	0.2	11.9	5.8	355	2.16	6.4	1.5	4.5	21	0.2	0.4	0.2	50	0.29	0.033	16
202960	Soil	1.4	18.0	6.3	50	<0.1	17.0	8.3	430	2.13	3.3	<0.5	2.3	55	0.1	0.4	0.1	33	1.89	0.061	16
202885	Soil	1.1	26.0	9.5	57	<0.1	23.9	12.3	597	2.50	10.3	2.2	3.7	33	0.2	0.6	0.1	53	1.20	0.061	17
202958	Soil	2.9	13.0	17.6	53	0.1	11.6	7.3	547	2.05	3.8	1.2	1.4	89	0.4	0.4	0.2	44	0.92	0.035	9
202997	Soil	1.3	16.5	12.1	72	<0.1	11.3	6.7	254	2.53	5.8	1.5	7.3	22	0.1	0.4	0.1	61	0.23	0.021	26
202882	Soil	0.4	20.7	8.6	56	<0.1	18.1	9.2	347	2.20	9.0	1.8	2.4	34	0.3	0.5	0.1	43	1.54	0.059	15
202884	Soil	3.4	24.2	8.1	72	0.1	21.3	10.8	771	2.15	14.4	2.5	2.9	56	0.6	1.0	0.1	59	3.19	0.068	18
201134	Soil	1.3	30.5	83.2	132	0.1	18.5	15.3	630	4.26	7.5	0.8	16.8	24	0.2	0.3	0.3	62	0.43	0.080	15
201127	Soil	0.6	19.7	9.1	59	<0.1	16.1	8.3	479	2.03	7.5	1.4	2.4	38	0.3	0.5	0.2	43	1.89	0.051	12
202962	Soil	0.6	17.8	7.4	56	<0.1	16.7	7.0	324	1.72	3.0	2.0	3.6	48	0.2	0.4	0.2	45	0.75	0.059	16
202995	Soil	0.3	21.4	7.6	49	<0.1	19.5	8.4	392	1.91	6.4	1.9	1.5	34	0.3	0.5	0.2	42	1.82	0.059	10
202038	Soil	0.9	12.9	10.2	50	<0.1	11.8	6.3	254	2.23	5.7	<0.5	3.7	14	<0.1	0.3	0.3	55	0.16	0.031	14
204425	Soil	1.0	10.8	10.1	55	<0.1	15.1	6.9	214	2.43	6.5	2.1	4.9	17	<0.1	0.3	0.2	58	0.24	0.048	15
202891	Soil	1.3	26.0	12.6	70	<0.1	22.1	10.8	619	2.62	8.2	2.2	4.4	32	0.2	0.5	0.2	58	1.59	0.050	21
202883	Soil	0.8	24.7	8.9	56	<0.1	23.6	11.7	346	2.48	20.4	0.9	4.1	33	0.3	0.9	0.1	55	1.32	0.066	17
204423	Soil	1.4	14.5	8.1	68	<0.1	15.6	9.3	1009	2.35	7.6	0.7	3.8	25	0.2	0.4	0.2	58	0.38	0.092	16
204433	Soil	3.8	14.9	15.3	80	<0.1	15.5	23.2	2152	3.23	7.2	<0.5	7.2	21	<0.1	0.4	0.3	84	0.36	0.041	31
201140	Soil	1.1	23.6	11.2	47	<0.1	21.9	7.9	222	2.53	8.1	4.1	4.5	26	<0.1	0.4	0.4	58	0.36	0.045	16
202881	Soil	0.2	17.7	7.5	42	<0.1	16.7	8.3	495	1.99	8.4	1.5	1.8	31	0.2	0.4	0.2	49	2.02	0.053	11



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201049	Soil	20	0.50	237	0.065	2	1.17	0.015	0.10	0.2	0.06	4.2	<0.1	<0.05	5	0.7	<0.2	
202917	Soil	20	0.40	220	0.054	2	1.10	0.017	0.03	0.2	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2	
202963	Soil	28	0.47	263	0.074	2	1.27	0.012	0.05	0.2	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2	
202887	Soil	26	0.65	332	0.058	3	1.41	0.020	0.05	0.2	0.09	4.5	<0.1	<0.05	4	0.8	<0.2	
202892	Soil	29	0.62	311	0.081	3	1.46	0.015	0.15	0.1	0.05	5.1	0.1	<0.05	5	<0.5	<0.2	
202000	Soil	23	0.76	306	0.064	7	1.19	0.015	0.07	0.2	0.07	4.0	<0.1	<0.05	4	<0.5	<0.2	
202998	Soil	23	0.35	208	0.062	2	1.33	0.008	0.05	0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2	
202886	Soil	22	0.65	308	0.076	2	1.50	0.016	0.06	0.2	0.06	4.9	<0.1	<0.05	5	0.6	<0.2	
202971	Soil	29	0.45	317	0.082	2	1.57	0.015	0.05	0.2	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2	
201971	Soil	26	0.77	294	0.112	3	1.49	0.016	0.11	0.2	0.04	4.7	0.1	<0.05	5	0.6	<0.2	
202890	Soil	32	0.82	275	0.076	4	1.43	0.018	0.20	0.1	0.07	6.4	0.2	<0.05	4	<0.5	<0.2	
202976	Soil	22	0.39	222	0.064	2	1.25	0.009	0.14	0.2	0.02	2.8	0.1	<0.05	5	0.7	<0.2	
202960	Soil	23	0.58	572	0.044	6	1.11	0.022	0.13	0.3	0.04	3.4	<0.1	0.07	4	0.9	<0.2	
202885	Soil	26	0.59	329	0.077	2	1.49	0.019	0.05	0.2	0.07	5.0	<0.1	<0.05	5	<0.5	<0.2	
202958	Soil	20	0.32	817	0.026	3	1.43	0.010	0.13	0.5	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2	
202997	Soil	21	0.51	166	0.098	3	1.52	0.008	0.07	0.2	0.01	2.7	0.1	<0.05	8	<0.5	<0.2	
202882	Soil	21	0.39	231	0.056	3	1.22	0.016	0.04	0.1	0.05	4.3	<0.1	0.06	4	0.5	<0.2	
202884	Soil	27	0.75	309	0.067	4	1.70	0.022	0.10	0.3	0.21	5.8	0.2	<0.05	5	0.9	<0.2	
201134	Soil	25	1.12	201	0.141	4	2.26	0.009	0.76	0.5	<0.01	4.4	0.6	<0.05	8	<0.5	<0.2	
201127	Soil	19	0.34	222	0.033	6	1.10	0.012	0.05	0.1	0.15	3.9	<0.1	0.06	3	0.7	<0.2	
202962	Soil	25	0.46	278	0.057	2	1.16	0.019	0.07	0.2	0.04	3.8	<0.1	<0.05	4	0.7	<0.2	
202995	Soil	22	0.37	223	0.045	3	1.18	0.021	0.04	0.2	0.04	3.1	<0.1	<0.05	3	0.7	<0.2	
202038	Soil	24	0.33	141	0.070	1	1.53	0.011	0.05	0.2	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2	
204425	Soil	29	0.45	164	0.066	2	1.64	0.012	0.05	0.3	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2	
202891	Soil	29	0.61	283	0.052	3	1.37	0.015	0.07	0.1	0.07	5.5	<0.1	<0.05	5	0.7	<0.2	
202883	Soil	27	0.46	354	0.063	3	1.48	0.020	0.08	0.2	0.22	5.7	<0.1	<0.05	4	0.6	<0.2	
204423	Soil	26	0.40	261	0.062	1	1.35	0.010	0.21	0.2	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2	
204433	Soil	29	0.49	270	0.082	<1	2.05	0.009	0.13	0.2	0.01	4.8	0.2	<0.05	9	<0.5	<0.2	
201140	Soil	35	0.50	264	0.064	1	1.53	0.013	0.05	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2	
202881	Soil	22	0.34	196	0.049	2	1.16	0.023	0.03	0.2	0.04	3.3	<0.1	<0.05	3	0.6	<0.2	



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202992	Soil	0.9	17.4	10.5	62	<0.1	16.7	8.6	281	2.71	7.5	<0.5	3.5	25	<0.1	0.4	0.1	66	0.29	0.049	11
201138	Soil	1.5	16.3	10.0	47	<0.1	19.1	9.2	253	2.80	9.8	1.1	3.7	20	<0.1	0.5	0.2	69	0.23	0.032	10
201130	Soil	0.9	21.1	13.7	65	0.1	17.9	9.1	492	2.55	18.2	1.5	4.6	32	0.2	0.4	0.3	47	1.23	0.048	20
202994	Soil	0.4	24.2	9.4	60	<0.1	18.8	10.7	540	2.66	7.5	0.9	2.9	30	0.1	0.3	0.2	66	1.15	0.068	15
202919	Soil	0.4	17.8	6.8	43	0.1	15.3	8.0	558	1.78	7.0	38.4	1.0	38	0.3	0.5	0.1	41	1.98	0.059	10
202933	Soil	1.8	37.0	10.1	71	<0.1	20.7	16.0	708	3.53	21.1	<0.5	3.1	30	0.1	0.5	0.1	84	0.76	0.071	12
202898	Soil	1.2	19.4	9.2	52	<0.1	21.2	10.1	789	2.60	8.3	0.7	4.6	30	<0.1	0.5	0.2	61	0.42	0.045	19
202888	Soil	0.7	27.7	10.8	56	0.1	25.7	10.1	410	2.48	10.4	<0.5	2.7	35	0.2	0.7	0.1	55	1.73	0.063	13
201037	Soil	0.5	23.4	9.6	70	<0.1	15.1	9.5	333	2.70	6.1	0.9	3.2	25	<0.1	0.3	0.1	62	0.48	0.067	12
201051	Soil	0.5	22.6	7.3	63	<0.1	22.5	9.5	375	2.24	7.7	1.0	2.3	37	0.3	0.5	0.1	51	1.36	0.075	11
204436	Soil	1.1	13.4	10.2	56	<0.1	16.1	7.1	252	2.49	5.4	<0.5	5.5	21	<0.1	0.4	0.2	56	0.32	0.040	20
201129	Soil	0.8	25.6	14.1	74	<0.1	17.7	10.4	731	2.58	7.1	0.8	6.1	36	0.3	0.4	0.5	51	1.45	0.057	27
202935	Soil	0.5	17.8	7.0	62	<0.1	17.4	9.2	392	2.10	6.6	0.7	2.4	33	0.2	0.4	0.1	51	0.92	0.069	11
201028	Soil	0.8	15.9	9.3	45	<0.1	17.1	8.6	367	2.11	7.4	2.2	2.2	38	0.2	0.3	0.1	52	1.93	0.055	11
201137	Soil	0.9	21.5	8.1	46	<0.1	19.3	7.9	302	2.57	6.7	0.9	5.0	25	<0.1	0.4	0.2	55	0.35	0.045	20
201131	Soil	0.9	19.1	12.5	64	<0.1	17.6	8.0	521	2.26	9.0	1.2	4.2	35	0.3	0.5	0.3	44	1.40	0.055	15
202928	Soil	0.9	22.0	7.4	54	0.1	21.8	9.5	307	2.36	7.1	3.2	2.5	36	0.1	0.5	0.4	55	0.68	0.071	11
201055	Soil	1.0	26.9	11.5	67	<0.1	16.4	9.8	574	2.45	7.2	3.7	5.2	36	0.2	0.4	0.4	53	0.53	0.047	18
202923	Soil	0.5	12.9	5.9	51	<0.1	14.2	7.6	440	1.84	6.5	2.1	2.0	30	0.2	0.4	0.2	44	1.24	0.063	11
202901	Soil	0.9	18.5	9.0	46	<0.1	18.7	7.9	238	2.41	7.4	5.5	3.9	25	<0.1	0.5	0.1	60	0.33	0.039	12



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202992	Soil	33	0.60	132	0.095	<1	1.83	0.008	0.07	0.1	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
201138	Soil	34	0.48	197	0.062	<1	1.69	0.011	0.07	0.2	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
201130	Soil	25	0.40	388	0.030	6	1.19	0.013	0.09	0.1	0.06	4.8	<0.1	<0.05	4	0.7	<0.2
202994	Soil	27	0.60	225	0.073	1	1.55	0.016	0.06	0.1	0.03	4.5	<0.1	<0.05	6	0.6	<0.2
202919	Soil	19	0.36	224	0.038	2	1.07	0.015	0.03	0.2	0.05	2.6	<0.1	0.06	3	0.5	<0.2
202933	Soil	31	1.06	281	0.091	<1	1.83	0.016	0.21	0.1	0.02	9.1	0.2	<0.05	6	0.7	<0.2
202898	Soil	35	0.46	321	0.061	1	1.49	0.016	0.05	0.2	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
202888	Soil	28	0.61	260	0.057	2	1.35	0.020	0.05	0.2	0.06	4.0	<0.1	<0.05	4	1.1	<0.2
201037	Soil	26	0.68	161	0.086	1	1.61	0.014	0.10	0.2	0.04	3.9	<0.1	<0.05	6	<0.5	<0.2
201051	Soil	27	0.58	245	0.059	2	1.21	0.024	0.06	0.3	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
204436	Soil	30	0.45	213	0.073	1	1.65	0.011	0.06	0.3	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
201129	Soil	25	0.48	356	0.039	6	1.27	0.014	0.13	0.1	0.07	4.9	0.1	<0.05	4	0.6	<0.2
202935	Soil	23	0.51	198	0.065	<1	1.11	0.020	0.08	0.2	0.03	3.6	<0.1	<0.05	4	0.5	<0.2
201028	Soil	23	0.51	173	0.059	2	1.23	0.018	0.04	0.3	0.06	3.6	<0.1	<0.05	4	<0.5	<0.2
201137	Soil	32	0.51	283	0.069	1	1.40	0.015	0.07	0.3	0.03	5.1	<0.1	<0.05	4	<0.5	<0.2
201131	Soil	22	0.33	303	0.027	8	0.97	0.012	0.09	0.2	0.06	3.7	<0.1	<0.05	3	0.7	<0.2
202928	Soil	28	0.51	292	0.053	<1	1.35	0.020	0.05	0.2	0.03	3.7	0.1	<0.05	4	0.6	<0.2
201055	Soil	28	0.48	293	0.058	<1	1.57	0.015	0.09	0.2	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
202923	Soil	20	0.44	227	0.047	2	1.00	0.016	0.06	0.3	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
202901	Soil	32	0.46	257	0.064	<1	1.49	0.015	0.05	0.2	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2



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PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

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QUALITY CONTROL REPORT

WHI17000423.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
201977	Soil	0.5	16.5	6.7	45	<0.1	16.1	7.8	317	2.02	6.8	4.5	3.2	37	0.1	0.5	0.1	49	0.96	0.064	13
REP 201977	QC	0.6	17.6	6.9	46	<0.1	16.5	7.8	312	2.02	7.0	4.0	3.1	37	0.1	0.4	0.1	49	0.95	0.061	14
203972	Soil	0.6	21.1	6.5	62	<0.1	22.7	9.5	348	2.28	7.6	2.9	3.0	39	0.3	0.5	0.2	47	0.79	0.081	12
REP 203972	QC	0.7	22.2	6.7	67	<0.1	24.0	10.3	363	2.37	8.0	1.9	3.2	41	0.2	0.5	0.2	46	0.82	0.085	12
200965	Soil	0.4	22.5	8.4	60	<0.1	19.6	8.3	194	2.07	5.1	2.7	2.8	35	0.2	0.4	<0.1	55	1.18	0.076	13
REP 200965	QC	0.4	21.5	8.1	58	<0.1	19.5	8.3	189	2.03	4.9	1.9	2.9	34	0.1	0.4	<0.1	54	1.15	0.073	12
201103	Soil	0.9	18.4	10.1	52	<0.1	15.2	7.6	181	2.73	8.2	3.9	10.7	14	<0.1	0.3	0.2	67	0.20	0.027	20
REP 201103	QC	0.8	18.1	9.8	49	<0.1	15.7	7.3	205	2.67	8.2	4.1	10.6	14	<0.1	0.3	0.1	65	0.19	0.025	20
202080	Soil	1.0	19.7	12.6	54	<0.1	18.3	8.4	202	2.47	5.5	0.9	4.5	19	<0.1	0.9	0.2	59	0.27	0.017	13
REP 202080	QC	1.0	19.6	12.5	55	<0.1	18.7	8.4	211	2.52	5.4	3.0	4.7	19	<0.1	0.8	0.1	58	0.27	0.017	13
204003	Soil	1.4	15.0	9.9	49	<0.1	16.5	8.2	305	3.10	8.6	0.8	3.3	16	<0.1	0.7	0.2	74	0.20	0.017	12
REP 204003	QC	1.2	15.7	10.0	50	<0.1	17.3	8.3	303	3.10	8.9	0.9	3.4	16	<0.1	0.7	0.2	73	0.20	0.018	12
200993	Soil	0.8	28.9	8.9	50	0.1	24.3	9.4	356	2.54	7.6	5.3	4.0	33	<0.1	0.6	0.2	60	0.56	0.058	14
REP 200993	QC	0.8	29.9	9.3	51	0.1	24.8	9.7	354	2.57	8.4	4.5	4.0	35	0.1	0.6	0.2	63	0.57	0.062	15
201052	Soil	0.6	16.4	6.7	62	<0.1	15.5	5.7	208	1.63	4.0	5.3	2.2	36	0.2	0.4	0.1	38	0.90	0.071	10
REP 201052	QC	0.7	17.8	6.6	66	<0.1	16.3	5.9	216	1.73	4.5	3.4	2.2	37	0.2	0.4	<0.1	37	0.92	0.078	11
202038	Soil	0.9	12.9	10.2	50	<0.1	11.8	6.3	254	2.23	5.7	<0.5	3.7	14	<0.1	0.3	0.3	55	0.16	0.031	14
REP 202038	QC	0.8	12.3	10.1	51	<0.1	11.8	6.5	262	2.21	5.6	2.2	3.9	14	<0.1	0.3	0.2	53	0.16	0.030	14
Reference Materials																					
STD DS11	Standard	13.9	151.1	137.4	326	1.6	79.6	13.9	982	3.09	40.9	62.1	7.3	55	2.2	7.1	9.4	54	0.98	0.068	16
STD DS11	Standard	14.3	154.8	138.6	354	1.7	80.2	14.3	1090	3.23	42.6	97.8	8.3	75	2.4	8.8	11.6	53	1.08	0.071	20
STD DS11	Standard	14.4	146.9	134.8	332	1.7	77.9	13.6	982	3.15	41.2	75.7	7.1	56	2.3	7.5	9.5	52	0.98	0.068	17
STD DS11	Standard	13.2	139.9	137.5	318	1.8	79.4	13.7	1009	3.13	40.6	65.2	6.9	61	2.1	7.8	12.0	53	1.04	0.069	16
STD DS11	Standard	15.2	153.5	144.5	355	1.7	85.9	14.7	1120	3.41	43.2	73.1	7.3	68	2.2	8.5	12.3	54	1.03	0.071	17
STD DS11	Standard	15.3	151.2	141.3	349	1.7	84.2	14.5	1076	3.37	41.9	71.8	7.7	70	2.2	7.9	12.4	43	1.14	0.073	18
STD DS11	Standard	12.8	139.1	130.4	336	1.7	75.1	13.5	1031	3.02	43.1	89.5	7.2	63	2.3	8.9	11.7	49	1.02	0.068	18
STD DS11	Standard	14.4	157.1	141.6	356	1.7	88.0	16.0	1056	3.32	40.5	71.9	7.3	62	2.1	8.2	12.0	57	1.03	0.071	16
STD DS11	Standard	14.3	140.6	134.0	320	1.6	79.2	13.7	1034	3.08	43.0	73.7	6.8	60	2.2	7.7	10.6	58	1.00	0.072	16



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: August 28, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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QUALITY CONTROL REPORT

WHI17000423.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
201977	Soil	23	0.43	214	0.074	1	1.21	0.024	0.05	0.2	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
REP 201977	QC	24	0.42	217	0.075	2	1.22	0.024	0.05	0.3	0.03	3.8	<0.1	<0.05	4	0.6	<0.2
203972	Soil	26	0.54	220	0.072	3	1.16	0.028	0.08	0.2	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 203972	QC	29	0.59	232	0.075	3	1.28	0.032	0.08	0.2	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
200965	Soil	26	0.57	243	0.063	3	1.26	0.022	0.07	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
REP 200965	QC	26	0.55	242	0.061	3	1.27	0.022	0.07	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
201103	Soil	33	0.51	168	0.062	3	2.05	0.009	0.06	0.2	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
REP 201103	QC	32	0.51	171	0.063	2	2.03	0.009	0.06	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
202080	Soil	35	0.49	251	0.060	1	1.69	0.009	0.05	0.2	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
REP 202080	QC	35	0.47	245	0.059	1	1.73	0.009	0.05	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
204003	Soil	34	0.53	232	0.056	1	1.91	0.009	0.04	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
REP 204003	QC	34	0.56	241	0.059	<1	2.07	0.009	0.05	0.2	0.03	3.4	0.1	<0.05	7	<0.5	<0.2
200993	Soil	30	0.49	359	0.064	1	1.49	0.019	0.05	0.3	0.04	5.0	<0.1	<0.05	4	<0.5	<0.2
REP 200993	QC	31	0.50	362	0.066	2	1.52	0.019	0.05	0.3	0.04	5.0	<0.1	<0.05	4	<0.5	<0.2
201052	Soil	23	0.50	196	0.057	5	1.02	0.022	0.06	0.2	0.04	2.9	<0.1	<0.05	3	0.7	<0.2
REP 201052	QC	23	0.51	198	0.059	4	1.05	0.022	0.06	0.2	0.05	2.8	<0.1	0.06	3	0.6	<0.2
202038	Soil	24	0.33	141	0.070	1	1.53	0.011	0.05	0.2	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
REP 202038	QC	24	0.33	139	0.071	2	1.49	0.010	0.05	0.2	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	60	0.81	361	0.075	6	1.11	0.074	0.37	3.0	0.23	3.3	4.8	0.25	5	2.5	4.6
STD DS11	Standard	62	0.83	380	0.104	8	1.15	0.077	0.43	3.1	0.29	3.8	5.0	0.29	5	2.2	5.0
STD DS11	Standard	60	0.80	370	0.077	7	1.13	0.072	0.39	2.9	0.26	3.2	4.9	0.25	5	2.0	4.6
STD DS11	Standard	58	0.82	355	0.082	6	1.08	0.065	0.39	3.2	0.26	3.3	4.9	0.28	5	2.1	4.7
STD DS11	Standard	65	0.86	408	0.087	7	1.14	0.074	0.39	3.3	0.26	3.3	5.3	0.25	5	2.3	5.2
STD DS11	Standard	67	0.86	396	0.095	8	1.19	0.078	0.40	3.3	0.25	3.5	5.1	0.25	5	2.3	4.9
STD DS11	Standard	60	0.83	382	0.092	8	1.07	0.069	0.39	3.0	0.28	3.1	4.9	0.28	5	2.1	4.7
STD DS11	Standard	65	0.89	355	0.085	7	1.16	0.073	0.37	3.2	0.26	3.1	5.1	0.31	5	2.5	4.8
STD DS11	Standard	60	0.81	363	0.085	6	1.12	0.079	0.39	2.8	0.26	3.1	4.6	0.20	5	2.6	4.5



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QUALITY CONTROL REPORT

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		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
STD OXC129	Standard	1.3	28.5	6.3	40	<0.1	86.0	21.6	419	3.09	<0.5	197.1	1.7	184	<0.1	<0.1	<0.1	58	0.65	0.098	12
STD OXC129	Standard	1.2	28.1	6.1	40	<0.1	81.9	20.9	438	3.17	0.7	199.6	1.9	185	<0.1	<0.1	<0.1	53	0.69	0.102	13
STD OXC129	Standard	1.3	26.5	6.0	40	<0.1	80.4	19.9	430	3.07	1.0	210.3	1.6	191	<0.1	<0.1	<0.1	56	0.69	0.098	11
STD OXC129	Standard	1.2	27.3	6.0	42	<0.1	84.9	22.6	444	3.29	<0.5	213.6	1.6	185	<0.1	<0.1	<0.1	55	0.69	0.103	11
STD OXC129	Standard	1.3	27.0	6.1	42	<0.1	85.8	21.3	436	3.15	<0.5	198.1	1.8	188	<0.1	<0.1	<0.1	57	0.65	0.108	12
STD OXC129	Standard	1.4	27.8	6.0	43	<0.1	85.4	22.8	450	3.34	<0.5	190.4	1.7	206	<0.1	<0.1	<0.1	49	0.75	0.105	12
STD OXC129	Standard	1.2	27.8	6.0	42	<0.1	78.8	20.8	429	3.08	0.5	207.9	1.8	181	<0.1	<0.1	<0.1	54	0.66	0.099	13
STD OXC129	Standard	1.4	27.5	6.1	43	<0.1	84.4	22.3	437	3.24	0.8	210.1	1.7	186	<0.1	<0.1	<0.1	57	0.66	0.099	12
STD OXC129	Standard	1.3	26.9	6.1	42	<0.1	87.5	22.7	443	3.17	1.3	208.5	1.6	190	<0.1	<0.1	<0.1	65	0.67	0.106	11
STD OXC129	Standard	1.2	27.3	5.8	40	<0.1	81.0	20.1	403	2.99	0.5	177.9	1.7	172	<0.1	<0.1	<0.1	54	0.67	0.098	11
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	8	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	7	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	8	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

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		AQ201 Cr ppm 1	AQ201 Mg % 0.01	AQ201 Ba ppm 1	AQ201 Ti % 0.001	AQ201 B ppm 1	AQ201 Al % 0.01	AQ201 Na % 0.001	AQ201 K % 0.01	AQ201 W ppm 0.1	AQ201 Hg ppm 0.01	AQ201 Sc ppm 0.1	AQ201 Ti ppm 0.1	AQ201 S % 0.05	AQ201 Ga ppm 1	AQ201 Se ppm 0.5	AQ201 Te ppm 0.2
STD OXC129	Standard	56	1.51	48	0.427	1	1.51	0.599	0.38	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	53	1.60	49	0.416	2	1.58	0.563	0.35	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	54	1.55	47	0.411	<1	1.60	0.580	0.35	0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	55	1.59	50	0.429	1	1.63	0.587	0.40	<0.1	<0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	55	1.58	48	0.419	<1	1.57	0.599	0.36	<0.1	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	58	1.68	49	0.437	2	1.70	0.633	0.37	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	53	1.58	55	0.420	2	1.56	0.614	0.36	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	56	1.55	47	0.426	<1	1.51	0.586	0.38	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	58	1.57	50	0.436	2	1.56	0.632	0.43	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	52	1.51	48	0.330	2	1.43	0.536	0.34	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
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Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 01, 2017
Report Date: August 28, 2017
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CERTIFICATE OF ANALYSIS

WHI17000424.1

CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI17000424.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200971	Soil	0.7	23.9	7.4	59	<0.1	19.6	9.6	393	2.62	7.4	3.2	3.9	24	<0.1	0.4	0.2	66	0.37	0.022	15
202899	Soil	0.9	22.0	8.6	46	<0.1	19.7	8.7	204	2.41	8.2	7.1	5.1	26	<0.1	0.5	0.2	63	0.39	0.043	16
204456	Soil	0.7	18.0	9.6	54	<0.1	15.2	9.1	377	2.24	6.8	8.2	4.2	25	0.1	0.5	0.2	56	0.42	0.048	15
200969	Soil	0.5	16.1	6.6	86	<0.1	26.8	12.8	777	3.02	4.6	1.5	2.7	23	0.2	0.2	0.1	74	0.45	0.059	6
200967	Soil	0.4	20.9	7.9	66	<0.1	17.1	10.3	527	2.67	6.7	5.1	3.7	30	<0.1	0.3	0.1	62	0.86	0.059	15
202913	Soil	0.8	27.8	18.1	85	0.1	15.0	11.2	680	2.65	5.7	4.2	2.4	41	0.2	0.3	0.2	66	1.75	0.051	12
202993	Soil	0.7	13.9	7.7	50	<0.1	10.0	6.1	303	2.38	5.0	8.1	2.5	20	<0.1	0.3	0.1	61	0.31	0.048	9
200972	Soil	0.6	10.5	3.5	59	<0.1	7.1	8.2	380	2.44	3.6	1.0	2.2	13	<0.1	0.2	<0.1	46	0.26	0.031	6
200979	Soil	0.5	20.9	19.4	71	<0.1	16.7	9.2	378	2.57	6.2	2.3	4.6	28	<0.1	0.3	0.1	64	0.58	0.084	19
201048	Soil	1.1	17.1	7.7	61	<0.1	13.7	8.6	467	2.40	12.3	2.4	3.4	32	0.1	0.3	0.1	57	0.68	0.070	14
202897	Soil	0.5	21.4	7.0	52	<0.1	16.9	7.2	383	1.68	7.1	2.3	0.9	46	0.2	0.4	0.2	42	2.58	0.064	8
202880	Soil	0.2	21.0	7.6	45	<0.1	18.3	8.4	464	2.02	7.6	2.1	2.2	36	0.2	0.4	0.1	53	1.93	0.062	13
200973	Soil	0.7	11.0	7.0	98	<0.1	11.3	13.1	856	4.06	5.9	<0.5	2.6	25	<0.1	0.2	0.2	86	0.41	0.100	8
200977	Soil	0.7	22.8	7.8	66	<0.1	17.5	9.7	243	2.86	6.9	1.6	4.7	21	<0.1	0.3	0.1	71	0.38	0.059	30
202889	Soil	1.4	32.6	5.7	41	0.2	20.1	5.0	461	1.53	3.6	9.9	5.0	87	0.2	0.4	0.4	32	2.06	0.061	76
202939	Soil	0.9	32.4	8.5	62	<0.1	26.7	10.6	421	2.56	9.3	3.9	4.0	38	0.1	0.7	0.1	68	0.88	0.065	15
203838	Soil	0.5	549.1	6.6	62	0.3	11.9	5.7	376	2.30	3.5	8.1	7.4	31	<0.1	0.2	0.1	58	0.32	0.055	35
203839	Soil	1.0	19.5	8.9	61	<0.1	24.7	9.7	323	2.97	10.5	0.6	4.9	23	<0.1	0.7	0.1	77	0.30	0.022	12
200974	Soil	0.5	21.0	2.6	74	<0.1	10.4	23.1	996	5.39	4.0	0.5	1.4	18	<0.1	0.1	<0.1	163	0.44	0.054	5
200976	Soil	0.6	22.7	9.3	55	<0.1	22.3	9.7	335	2.79	9.8	3.2	4.4	25	<0.1	0.5	0.1	65	0.44	0.038	15
203843	Soil	0.5	29.4	7.2	60	<0.1	22.0	11.4	534	2.85	8.6	3.2	4.5	31	<0.1	0.4	0.1	69	0.97	0.040	15
200981	Soil	0.7	21.9	15.6	133	<0.1	14.9	11.0	358	3.76	5.0	1.2	6.7	32	0.1	0.3	0.1	95	0.84	0.162	16
202835	Soil	0.8	26.3	10.5	62	<0.1	22.3	10.0	550	2.83	8.1	2.3	4.4	28	<0.1	0.4	0.2	64	0.83	0.046	19
200968	Soil	0.5	12.4	8.3	66	<0.1	11.5	9.0	463	2.68	5.4	<0.5	3.0	28	<0.1	0.3	<0.1	60	0.79	0.038	9
203824	Soil	1.4	26.1	11.1	48	0.1	18.7	8.1	321	2.09	5.8	9.8	2.9	49	0.2	0.5	0.2	52	1.15	0.055	13
201053	Soil	2.1	47.7	18.6	92	0.1	17.4	8.4	976	2.51	10.3	4.4	5.4	43	0.4	0.4	0.4	52	0.81	0.074	24
202841	Soil	0.3	23.0	3.8	101	<0.1	8.0	16.5	924	4.77	1.6	0.9	3.9	18	<0.1	<0.1	<0.1	123	0.55	0.105	19
202918	Soil	0.5	15.2	6.3	46	<0.1	12.9	6.5	531	1.60	6.0	0.9	1.1	43	0.2	0.3	0.1	38	2.62	0.056	9
203827	Soil	0.6	20.8	6.4	53	<0.1	16.1	7.6	388	1.90	5.4	7.5	2.2	48	0.3	0.4	<0.1	43	1.83	0.056	12
200946	Soil	0.4	12.3	5.3	69	<0.1	14.8	11.3	428	2.68	5.9	<0.5	2.3	28	<0.1	0.3	<0.1	67	0.55	0.045	8



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200971	Soil	29	0.58	296	0.086	3	1.77	0.015	0.11	0.1	0.04	6.1	0.1	<0.05	6	<0.5	<0.2
202899	Soil	34	0.48	278	0.068	3	1.61	0.017	0.06	0.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
204456	Soil	27	0.38	276	0.065	2	1.63	0.018	0.06	0.2	0.04	4.1	0.1	<0.05	5	<0.5	<0.2
200969	Soil	80	1.39	204	0.107	3	2.06	0.012	0.35	<0.1	0.02	5.8	0.2	<0.05	9	<0.5	<0.2
200967	Soil	29	0.84	268	0.090	3	1.63	0.020	0.22	0.1	0.03	6.0	0.1	<0.05	6	<0.5	<0.2
202913	Soil	22	0.72	287	0.089	3	1.57	0.019	0.20	<0.1	0.04	5.1	0.2	0.05	5	0.5	<0.2
202993	Soil	23	0.56	113	0.078	2	1.60	0.011	0.11	0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
200972	Soil	12	0.90	161	0.111	2	1.63	0.007	0.26	<0.1	<0.01	4.6	0.2	<0.05	5	<0.5	<0.2
200979	Soil	27	0.60	244	0.076	3	1.38	0.020	0.16	0.1	0.03	6.0	0.1	<0.05	6	0.6	<0.2
201048	Soil	24	0.54	227	0.073	2	1.40	0.018	0.12	0.1	0.04	5.1	0.1	<0.05	5	<0.5	<0.2
202897	Soil	21	0.34	255	0.035	5	1.14	0.019	0.04	0.1	0.07	2.9	<0.1	0.09	3	0.6	<0.2
202880	Soil	24	0.37	223	0.053	3	1.29	0.023	0.04	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
200973	Soil	22	1.41	235	0.191	2	2.30	0.009	0.69	<0.1	<0.01	5.8	0.4	<0.05	11	<0.5	<0.2
200977	Soil	27	0.60	226	0.077	2	1.72	0.013	0.20	0.1	0.02	7.3	0.2	<0.05	7	<0.5	<0.2
202889	Soil	17	0.25	1699	0.012	12	1.22	0.014	0.09	0.3	0.08	4.0	0.1	0.12	3	<0.5	<0.2
202939	Soil	32	0.60	331	0.079	3	1.57	0.035	0.09	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
203838	Soil	16	0.70	2067	0.047	2	1.80	0.005	0.18	<0.1	0.01	5.5	0.1	<0.05	9	<0.5	<0.2
203839	Soil	41	0.57	256	0.088	2	1.98	0.013	0.15	<0.1	0.01	5.8	0.1	<0.05	6	<0.5	<0.2
200974	Soil	18	2.05	373	0.238	<1	2.91	0.009	1.26	<0.1	<0.01	10.3	0.4	<0.05	11	<0.5	<0.2
200976	Soil	31	0.53	257	0.068	2	1.63	0.019	0.09	0.2	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
203843	Soil	37	0.78	284	0.098	2	1.77	0.020	0.28	0.1	0.02	5.3	0.2	<0.05	6	<0.5	<0.2
200981	Soil	28	0.81	230	0.045	2	2.01	0.013	0.49	<0.1	0.01	6.6	0.2	<0.05	11	<0.5	<0.2
202835	Soil	26	0.61	221	0.087	2	1.51	0.021	0.21	0.1	0.02	6.5	0.1	<0.05	6	0.6	<0.2
200968	Soil	23	0.74	198	0.081	3	1.62	0.017	0.21	0.1	0.01	5.9	0.1	<0.05	6	<0.5	<0.2
203824	Soil	27	0.44	699	0.051	3	1.51	0.025	0.07	1.7	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
201053	Soil	25	0.55	358	0.048	3	1.71	0.016	0.14	0.2	0.11	4.7	0.1	<0.05	5	<0.5	<0.2
202841	Soil	19	1.86	287	0.223	1	2.57	0.007	1.38	<0.1	0.01	11.4	0.4	<0.05	10	<0.5	<0.2
202918	Soil	19	0.28	219	0.042	4	1.04	0.018	0.05	0.1	0.05	2.9	<0.1	0.12	3	<0.5	<0.2
203827	Soil	22	0.44	354	0.053	3	1.18	0.021	0.10	0.8	0.04	4.0	0.1	0.09	3	0.8	<0.2
200946	Soil	28	1.13	159	0.138	1	1.95	0.012	0.14	0.1	<0.01	3.7	0.1	<0.05	6	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200975	Soil	0.4	24.5	4.1	108	<0.1	13.9	18.7	1158	5.17	4.0	<0.5	1.7	19	0.1	0.2	<0.1	117	0.59	0.084	11
200970	Soil	0.5	24.3	4.0	57	<0.1	12.2	10.6	590	3.19	3.8	3.1	3.5	20	<0.1	0.2	<0.1	63	0.40	0.058	16
203832	Soil	0.3	53.2	7.1	88	0.1	19.4	13.2	768	2.97	5.7	7.5	4.3	25	0.1	0.4	<0.1	67	0.69	0.060	29
203830	Soil	0.4	22.0	7.6	64	<0.1	19.1	8.1	217	2.00	4.9	1.8	3.1	39	0.2	0.3	0.1	55	1.29	0.069	15
203840	Soil	0.2	31.1	3.6	68	<0.1	9.8	11.7	709	2.80	1.5	1.7	3.4	30	<0.1	<0.1	<0.1	58	2.02	0.083	9
203842	Soil	1.0	22.6	4.7	45	<0.1	11.0	5.8	317	1.98	4.2	0.5	4.2	17	<0.1	0.2	<0.1	42	0.48	0.022	14
203834	Soil	0.6	17.8	8.5	59	<0.1	22.2	10.0	389	2.68	10.0	0.7	4.7	20	<0.1	0.5	0.2	57	0.37	0.030	14
203825	Soil	0.7	26.6	9.4	53	0.1	20.9	8.4	337	2.12	6.7	10.4	3.7	34	0.1	0.4	0.2	48	1.03	0.054	14
203829	Soil	0.5	21.4	6.5	45	<0.1	17.0	6.3	315	1.76	4.7	42.4	2.1	46	0.2	0.4	0.2	38	2.22	0.057	12
203833	Soil	0.3	20.3	6.4	71	<0.1	29.7	11.8	591	2.85	4.9	1.3	5.3	15	<0.1	0.3	0.1	51	0.34	0.037	18
203844	Soil	0.6	51.8	7.5	54	<0.1	24.0	11.3	274	2.79	8.4	3.6	4.7	18	<0.1	0.4	0.1	69	0.33	0.012	16
203823	Soil	1.6	30.5	14.5	53	0.1	22.5	9.8	396	2.30	7.2	10.2	4.3	35	0.2	0.6	0.2	55	0.77	0.051	16
203826	Soil	0.7	27.3	9.5	52	0.1	22.6	8.7	467	2.31	7.7	7.3	4.0	35	0.1	0.5	0.1	55	0.93	0.054	15
203841	Soil	0.7	11.8	7.5	59	<0.1	15.8	7.7	366	2.42	6.1	1.7	2.9	20	0.1	0.4	0.3	64	0.27	0.023	9
203837	Soil	0.5	8.7	5.8	49	<0.1	13.9	9.8	306	2.19	4.1	<0.5	2.1	24	<0.1	0.3	0.1	63	0.33	0.031	8
203822	Soil	1.1	28.3	14.2	55	0.1	19.9	8.7	364	2.31	6.8	15.5	4.8	36	0.2	0.4	0.2	55	0.78	0.056	16
203828	Soil	0.7	19.9	6.5	46	<0.1	17.7	7.2	346	1.80	5.3	7.1	2.0	48	0.3	0.4	0.2	44	2.11	0.053	11
203836	Soil	0.8	21.1	5.9	69	<0.1	19.1	12.8	336	3.05	4.3	<0.5	2.1	24	<0.1	0.3	<0.1	86	0.30	0.035	6
200955	Soil	0.8	23.9	6.7	53	<0.1	20.8	7.0	489	1.83	6.1	3.3	1.6	47	0.4	0.4	0.2	43	2.01	0.063	10
200929	Soil	0.7	12.5	6.9	63	<0.1	14.3	11.0	658	2.52	3.6	1.9	2.4	17	0.1	0.2	<0.1	61	0.26	0.041	9
200922	Soil	0.5	21.4	6.9	50	<0.1	19.3	7.3	351	1.86	5.5	5.1	2.2	41	0.3	0.4	0.1	45	2.47	0.060	13
203831	Soil	0.3	26.0	6.8	78	<0.1	15.6	10.6	881	2.48	4.2	1.9	3.7	29	<0.1	0.3	<0.1	50	0.94	0.069	25
200954	Soil	0.8	25.4	7.2	51	<0.1	22.7	8.1	444	2.07	8.0	3.2	2.4	66	0.3	0.7	<0.1	49	5.03	0.078	13
200956	Soil	0.6	21.2	6.9	46	<0.1	18.3	7.8	360	1.84	5.6	3.1	1.9	46	0.2	0.4	0.1	42	1.54	0.057	11
200943	Soil	0.3	65.1	8.8	109	<0.1	30.0	23.3	638	5.25	3.2	<0.5	1.3	349	<0.1	0.1	<0.1	171	1.14	0.064	5
203835	Soil	0.2	57.6	31.6	89	<0.1	26.3	9.9	492	2.76	3.2	2.4	2.9	33	0.2	0.2	<0.1	74	3.14	0.063	12
200951	Soil	0.8	15.6	7.9	68	<0.1	12.4	9.5	384	2.90	4.6	1.0	4.2	19	<0.1	0.2	<0.1	60	0.34	0.062	15
200924	Soil	0.5	22.6	6.9	42	<0.1	19.1	7.0	337	1.66	7.6	5.4	1.8	41	0.3	0.4	<0.1	42	4.49	0.059	12
200952	Soil	0.5	27.1	4.5	61	<0.1	11.2	7.1	649	1.63	1.9	0.9	2.4	57	0.1	0.2	<0.1	30	1.74	0.075	36
200923	Soil	0.5	21.8	6.6	40	<0.1	17.9	6.6	333	1.66	6.2	2.2	1.2	43	0.3	0.3	0.1	39	3.52	0.064	10



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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200975	Soil	22	2.14	370	0.235	1	3.08	0.011	1.30	0.1	<0.01	8.7	0.3	<0.05	9	<0.5	<0.2
200970	Soil	23	1.14	279	0.189	1	2.16	0.010	0.64	<0.1	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
203832	Soil	26	1.07	322	0.119	2	1.73	0.021	0.38	0.2	0.03	9.5	0.3	<0.05	6	<0.5	<0.2
203830	Soil	28	0.55	245	0.066	4	1.35	0.026	0.10	0.2	0.03	4.3	0.1	0.06	4	<0.5	<0.2
203840	Soil	14	1.50	220	0.141	<1	1.99	0.010	0.58	<0.1	0.03	3.6	0.2	<0.05	8	<0.5	<0.2
203842	Soil	16	0.57	200	0.090	2	1.44	0.010	0.21	<0.1	0.02	4.1	0.2	<0.05	4	<0.5	<0.2
203834	Soil	32	0.56	164	0.074	3	1.41	0.015	0.19	0.1	0.01	5.9	0.1	<0.05	4	<0.5	<0.2
203825	Soil	26	0.54	463	0.048	3	1.24	0.020	0.05	2.3	0.04	3.9	<0.1	<0.05	4	0.6	<0.2
203829	Soil	22	0.59	318	0.037	4	1.08	0.016	0.08	1.3	0.05	3.6	<0.1	0.09	3	<0.5	<0.2
203833	Soil	37	1.01	211	0.110	1	1.71	0.011	0.48	0.1	0.03	6.4	0.3	<0.05	6	<0.5	<0.2
203844	Soil	32	0.63	394	0.092	3	1.71	0.016	0.28	0.1	0.02	6.2	0.1	<0.05	5	<0.5	<0.2
203823	Soil	29	0.45	595	0.058	2	1.47	0.021	0.07	2.3	0.04	4.7	<0.1	<0.05	4	0.5	<0.2
203826	Soil	29	0.52	394	0.058	3	1.40	0.025	0.06	3.9	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
203841	Soil	30	0.42	205	0.058	2	1.70	0.008	0.08	<0.1	0.01	3.0	0.2	<0.05	5	<0.5	<0.2
203837	Soil	24	0.68	248	0.091	2	1.44	0.011	0.21	<0.1	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2
203822	Soil	30	0.53	674	0.058	2	1.49	0.021	0.07	2.8	0.05	4.5	<0.1	<0.05	4	<0.5	<0.2
203828	Soil	23	0.45	316	0.045	4	1.14	0.018	0.07	1.3	0.05	3.5	<0.1	0.07	3	0.6	<0.2
203836	Soil	35	1.04	262	0.149	1	1.85	0.010	0.45	<0.1	<0.01	4.0	0.2	<0.05	7	<0.5	<0.2
200955	Soil	23	0.53	317	0.036	4	1.17	0.018	0.06	0.3	0.09	3.5	<0.1	0.08	4	<0.5	<0.2
200929	Soil	31	0.72	400	0.100	2	1.36	0.012	0.17	0.1	0.03	7.0	0.1	<0.05	6	<0.5	<0.2
200922	Soil	26	1.13	245	0.045	3	1.28	0.017	0.07	0.3	0.06	3.8	<0.1	<0.05	3	<0.5	<0.2
203831	Soil	19	0.93	321	0.098	2	1.42	0.016	0.36	<0.1	0.03	7.9	0.2	<0.05	5	<0.5	<0.2
200954	Soil	24	1.72	208	0.039	3	1.37	0.012	0.15	0.6	0.12	6.1	0.1	0.06	4	<0.5	<0.2
200956	Soil	23	0.44	309	0.044	3	1.28	0.020	0.06	0.3	0.05	3.5	<0.1	0.07	4	<0.5	<0.2
200943	Soil	50	3.44	378	0.318	1	4.53	0.013	0.37	0.1	0.01	8.0	0.2	<0.05	15	<0.5	<0.2
203835	Soil	40	2.34	290	0.130	1	2.45	0.010	0.36	0.1	0.04	6.6	0.3	<0.05	8	<0.5	<0.2
200951	Soil	22	0.75	200	0.108	2	1.89	0.009	0.32	<0.1	0.02	5.4	0.2	<0.05	7	<0.5	<0.2
200924	Soil	23	2.19	180	0.039	3	1.00	0.016	0.06	0.4	0.05	3.2	<0.1	<0.05	3	<0.5	<0.2
200952	Soil	15	0.62	445	0.057	4	1.14	0.011	0.24	<0.1	0.05	4.5	0.2	0.07	4	<0.5	<0.2
200923	Soil	22	1.42	216	0.039	4	1.02	0.019	0.05	0.3	0.05	2.8	<0.1	0.05	3	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200950	Soil	0.5	16.6	6.0	76	<0.1	11.5	11.2	482	2.97	3.4	<0.5	2.8	17	<0.1	0.2	<0.1	67	0.32	0.077	6
200945	Soil	0.6	18.3	6.0	58	<0.1	13.8	11.4	419	2.44	7.5	2.0	3.2	21	<0.1	0.3	<0.1	55	0.35	0.027	9
200926	Soil	1.2	34.0	13.4	62	<0.1	18.5	9.4	443	2.59	6.7	2.0	3.4	28	0.2	0.4	<0.1	52	1.86	0.059	19
200938	Soil	0.5	19.1	5.3	47	<0.1	13.0	8.2	360	2.61	6.1	1.7	5.4	30	<0.1	0.4	<0.1	58	0.50	0.053	19
200559	Soil	0.5	16.8	9.1	57	<0.1	16.5	8.3	310	2.37	5.3	<0.5	6.7	28	<0.1	0.4	0.1	60	0.59	0.057	18
200941	Soil	1.1	14.0	8.3	65	<0.1	17.3	13.5	465	3.47	7.0	<0.5	2.6	25	<0.1	0.4	<0.1	99	0.34	0.030	8
200918	Soil	1.2	18.2	10.9	60	0.2	15.2	6.9	190	2.49	5.4	11.7	3.6	19	0.1	0.3	0.1	61	0.27	0.035	13
200937	Soil	0.5	33.3	4.8	90	<0.1	13.9	15.5	755	3.83	5.1	1.3	2.0	47	<0.1	0.2	<0.1	117	0.72	0.072	6
200936	Soil	1.3	41.6	8.5	79	0.1	15.9	18.5	1326	3.34	4.8	1.5	3.1	53	0.1	0.3	<0.1	96	1.01	0.063	13
200947	Soil	0.5	23.5	6.9	55	<0.1	21.6	10.3	421	2.43	7.4	0.8	3.9	28	<0.1	0.4	<0.1	63	0.56	0.053	12
200948	Soil	1.1	14.8	8.5	48	<0.1	17.4	9.1	343	2.67	8.0	0.6	4.1	22	0.1	0.5	0.1	66	0.38	0.014	13
200930	Soil	0.4	18.6	7.1	88	<0.1	14.1	13.5	470	3.19	4.5	2.0	3.1	16	<0.1	0.2	<0.1	81	0.37	0.067	14
200932	Soil	0.6	16.1	9.2	62	<0.1	16.5	11.2	335	2.81	7.0	1.6	2.8	26	<0.1	0.3	0.1	61	0.31	0.061	10
200933	Soil	0.5	30.1	7.9	62	0.1	16.7	10.0	1019	2.30	5.5	2.2	2.7	73	0.3	0.4	0.1	52	1.20	0.074	12
200925	Soil	0.7	20.6	7.8	41	<0.1	17.3	5.3	124	1.48	5.6	2.6	2.5	55	0.5	0.6	<0.1	36	5.57	0.059	12
200934	Soil	0.5	25.4	5.7	53	0.3	10.2	7.1	281	2.49	4.2	2.1	3.0	55	<0.1	0.3	<0.1	63	0.61	0.078	13
200935	Soil	0.6	30.2	8.3	76	<0.1	15.5	10.8	365	2.78	4.7	1.8	2.8	62	<0.1	0.2	<0.1	70	0.69	0.082	12
200931	Soil	0.8	15.3	9.5	44	0.4	12.9	6.2	244	2.03	5.4	2.3	3.4	19	<0.1	0.3	0.2	44	0.41	0.028	20
200920	Soil	0.9	22.4	10.6	55	<0.1	19.8	9.4	383	2.27	7.7	7.0	3.4	31	0.2	0.6	0.2	53	0.73	0.061	15
200927	Soil	0.5	27.2	25.6	69	0.1	15.0	9.1	371	2.26	7.1	2.0	2.8	35	0.3	0.5	0.1	42	1.67	0.062	21
201077	Soil	0.9	18.1	8.4	47	0.2	14.7	8.4	374	2.33	6.5	9.0	4.8	25	0.1	0.4	0.2	50	0.37	0.055	21
202951	Soil	1.1	21.2	8.7	51	<0.1	21.3	8.4	244	2.71	10.4	2.5	4.9	16	<0.1	0.7	0.2	62	0.16	0.022	9
200904	Soil	1.0	16.1	7.8	61	0.1	13.7	6.0	267	2.24	5.3	1.0	4.0	27	0.2	0.4	0.1	50	0.40	0.036	18
200557	Soil	0.8	15.7	8.3	54	<0.1	14.8	8.5	356	2.23	6.0	1.8	5.7	27	0.1	0.4	0.1	54	0.39	0.052	19
202972	Soil	0.7	21.9	9.3	50	<0.1	16.8	9.4	296	2.38	7.1	2.3	7.7	29	<0.1	0.4	0.2	53	0.45	0.045	23
201075	Soil	0.7	33.0	8.1	62	0.1	28.7	10.9	403	2.59	9.0	3.1	3.7	59	0.2	0.6	0.1	58	1.59	0.073	14
200953	Soil	0.4	18.4	7.1	71	<0.1	15.9	7.6	214	1.92	3.8	2.2	2.7	49	0.2	0.3	0.1	44	1.04	0.069	13
200913	Soil	0.6	19.5	8.7	52	<0.1	14.9	5.4	209	1.86	4.0	1.6	3.3	21	<0.1	0.4	0.1	47	0.25	0.029	17
202955	Soil	7.0	15.2	8.7	50	<0.1	11.4	6.6	403	2.43	5.1	1.6	10.5	19	<0.1	0.5	0.4	38	0.26	0.036	14
201106	Soil	0.8	6.4	11.9	26	<0.1	6.7	2.9	120	1.69	7.1	1.3	1.6	11	<0.1	0.3	0.3	69	0.10	0.023	10



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200950	Soil	20	0.92	230	0.117	1	1.80	0.008	0.48	0.1	0.02	6.2	0.2	<0.05	7	<0.5	<0.2
200945	Soil	27	1.09	140	0.103	1	1.88	0.009	0.15	0.1	<0.01	3.6	0.1	<0.05	6	<0.5	<0.2
200926	Soil	20	0.97	175	0.052	2	1.70	0.011	0.17	<0.1	0.11	7.0	0.1	<0.05	5	<0.5	<0.2
200938	Soil	23	0.69	391	0.113	1	1.70	0.012	0.09	0.1	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
200559	Soil	29	0.47	255	0.079	1	1.65	0.019	0.07	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
200941	Soil	30	1.20	232	0.153	1	2.52	0.009	0.28	0.2	0.02	5.0	0.2	<0.05	7	<0.5	<0.2
200918	Soil	31	0.37	230	0.076	1	2.04	0.012	0.07	0.6	0.04	4.1	0.1	<0.05	6	<0.5	<0.2
200937	Soil	32	1.75	323	0.217	1	2.86	0.011	0.46	0.1	<0.01	7.3	0.2	<0.05	10	<0.5	<0.2
200936	Soil	31	0.94	377	0.139	2	2.63	0.016	0.13	<0.1	0.04	7.5	0.1	<0.05	9	<0.5	<0.2
200947	Soil	28	0.80	245	0.096	1	1.64	0.024	0.10	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
200948	Soil	34	0.51	222	0.085	2	1.69	0.012	0.13	0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
200930	Soil	22	1.29	282	0.148	1	1.96	0.011	0.42	0.1	0.02	10.1	0.2	<0.05	7	<0.5	<0.2
200932	Soil	29	0.85	229	0.106	1	1.76	0.009	0.17	0.2	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
200933	Soil	23	0.69	299	0.090	3	1.53	0.016	0.10	0.1	0.07	4.8	<0.1	<0.05	5	<0.5	<0.2
200925	Soil	23	3.00	133	0.042	3	0.84	0.014	0.05	0.5	0.06	3.2	<0.1	<0.05	2	0.7	<0.2
200934	Soil	21	0.71	266	0.108	1	1.87	0.011	0.18	<0.1	0.09	5.3	0.1	<0.05	6	<0.5	<0.2
200935	Soil	31	0.98	296	0.149	2	1.96	0.013	0.35	<0.1	0.03	5.1	0.1	<0.05	7	<0.5	<0.2
200931	Soil	23	0.47	235	0.074	1	1.41	0.011	0.12	0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
200920	Soil	26	0.43	300	0.065	2	1.30	0.018	0.04	0.6	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
200927	Soil	18	0.72	269	0.060	2	1.28	0.013	0.18	0.1	0.13	5.3	0.1	<0.05	4	<0.5	<0.2
201077	Soil	26	0.42	315	0.061	1	1.54	0.013	0.04	0.2	0.04	4.4	<0.1	<0.05	4	<0.5	<0.2
202951	Soil	34	0.52	153	0.070	<1	1.70	0.008	0.07	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
200904	Soil	23	0.54	241	0.087	2	1.29	0.013	0.18	0.2	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
200557	Soil	27	0.46	281	0.073	1	1.44	0.015	0.04	0.3	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
202972	Soil	27	0.48	306	0.079	<1	1.48	0.015	0.05	0.2	0.03	4.8	0.1	<0.05	4	<0.5	<0.2
201075	Soil	29	0.76	313	0.083	3	1.30	0.036	0.08	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
200953	Soil	23	0.64	218	0.084	3	1.24	0.021	0.12	0.2	0.06	3.9	<0.1	0.10	4	0.6	<0.2
200913	Soil	26	0.38	234	0.083	<1	1.28	0.012	0.04	0.2	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
202955	Soil	18	0.29	290	0.030	2	1.26	0.007	0.18	1.3	<0.01	3.8	0.1	<0.05	4	<0.5	<0.2
201106	Soil	20	0.23	85	0.076	1	1.05	0.006	0.03	<0.1	0.01	1.8	0.1	<0.05	8	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200542	Soil	1.1	18.5	10.4	52	<0.1	15.5	7.2	222	2.20	6.4	5.8	5.3	26	<0.1	0.4	0.2	51	0.36	0.043	19
200906	Soil	0.9	16.0	10.9	63	<0.1	15.7	8.4	306	2.38	6.7	2.0	3.8	27	<0.1	0.4	0.1	56	0.36	0.040	13
201068	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
201063	Soil	0.6	12.1	6.2	37	<0.1	10.7	4.6	238	1.84	4.7	4.5	7.5	21	<0.1	0.3	0.4	38	0.29	0.038	28
201062	Soil	1.0	14.1	9.1	45	<0.1	14.6	6.6	204	2.41	8.6	4.3	5.2	17	<0.1	0.4	0.2	57	0.20	0.022	15
200556	Soil	1.1	32.9	8.4	63	0.2	22.2	8.8	526	2.41	5.4	3.4	5.4	38	0.4	0.4	0.2	52	0.55	0.063	34
200961	Soil	0.3	42.5	13.6	56	0.2	23.3	7.1	306	1.93	6.3	6.6	2.1	52	0.5	0.6	0.3	42	1.89	0.062	17
201081	Soil	0.8	18.1	7.7	48	<0.1	15.3	7.8	280	2.18	6.2	3.8	4.7	29	0.2	0.4	0.1	51	0.42	0.055	20
202956	Soil	2.3	39.4	13.3	86	0.1	48.7	17.1	836	3.85	7.8	21.1	12.7	30	0.2	0.4	0.3	54	0.60	0.029	22
203000	Soil	0.7	13.2	7.7	38	<0.1	6.2	4.7	222	1.81	4.0	1.3	4.3	20	<0.1	0.2	0.1	47	0.16	0.036	23
200987	Soil	0.4	32.8	8.4	47	0.1	24.6	7.8	387	2.07	7.4	2.2	1.9	50	0.3	0.6	0.1	45	1.75	0.062	15
202037	Soil	1.2	13.9	8.4	66	<0.1	14.8	9.7	554	2.47	5.0	0.5	8.0	21	<0.1	0.3	0.2	52	0.29	0.055	27
203002	Soil	0.7	24.3	12.2	72	<0.1	16.3	9.0	289	2.62	5.4	3.1	12.1	24	<0.1	0.4	0.1	55	0.29	0.026	32
202954	Soil	1.5	10.7	7.5	51	0.2	11.4	6.9	466	2.09	2.1	2.3	2.0	16	0.2	0.3	0.2	41	0.23	0.062	14
200959	Soil	0.8	60.9	15.4	58	0.2	26.3	8.4	531	2.04	5.2	7.3	2.6	57	0.5	0.8	0.2	43	1.38	0.055	25
202013	Soil	1.3	21.3	12.2	74	<0.1	15.2	7.9	234	3.47	7.9	1.7	9.2	15	<0.1	0.6	0.2	65	0.13	0.022	22
201084	Soil	1.0	16.1	9.5	49	0.1	14.7	8.4	395	2.12	5.6	8.6	5.1	28	0.1	0.3	0.2	49	0.42	0.049	20
201064	Soil	0.9	21.3	9.2	44	0.1	18.0	8.1	351	2.37	7.6	4.7	6.6	23	<0.1	0.4	0.1	55	0.33	0.034	25
200990	Soil	0.4	32.4	8.9	57	<0.1	24.3	8.9	373	2.45	7.9	5.2	3.9	32	0.1	0.6	0.3	57	0.86	0.057	14
200991	Soil	0.6	30.0	8.8	52	0.1	24.3	10.3	455	2.47	8.8	7.0	4.0	31	<0.1	0.5	0.2	57	0.68	0.053	14
202016	Soil	0.4	7.0	5.7	19	<0.1	2.1	1.8	71	0.60	0.9	4.1	2.6	13	<0.1	<0.1	0.2	23	0.12	0.017	9
201067	Soil	1.5	34.8	9.4	62	0.3	16.9	9.1	844	2.20	4.1	7.7	6.1	31	0.3	0.3	0.5	49	0.53	0.063	64
201050	Soil	0.5	16.1	6.6	56	<0.1	15.3	7.4	348	1.86	5.0	4.5	2.3	31	<0.1	0.3	0.2	50	1.00	0.074	10
202996	Soil	1.0	16.5	13.2	82	<0.1	12.9	9.2	437	3.08	6.6	3.2	11.6	18	<0.1	0.4	0.2	68	0.28	0.050	17
202978	Soil	1.0	18.5	9.3	48	0.1	17.6	8.5	452	2.58	7.5	2.6	5.5	16	<0.1	0.4	0.2	64	0.19	0.018	12
200984	Soil	0.8	18.6	10.3	69	<0.1	18.3	9.9	386	2.54	5.9	1.4	3.2	36	<0.1	0.3	0.1	65	0.69	0.080	15
201047	Soil	0.8	26.4	15.2	70	<0.1	15.2	9.8	370	2.75	12.1	20.2	4.0	26	<0.1	0.3	0.1	70	0.52	0.086	17
200921	Soil	0.7	19.5	8.1	56	<0.1	17.4	7.6	347	2.08	5.2	7.6	2.8	34	0.1	0.4	0.1	51	0.87	0.064	12
202968	Soil	1.2	15.4	7.6	46	0.1	12.7	6.3	219	2.29	5.6	2.2	4.2	20	<0.1	0.2	0.2	53	0.32	0.033	16
201044	Soil	1.2	24.8	7.9	51	<0.1	18.5	9.1	412	2.39	10.6	2.9	3.8	32	0.2	0.5	0.1	58	0.59	0.054	14



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200542	Soil	28	0.44	253	0.073	<1	1.54	0.011	0.05	0.3	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
200906	Soil	28	0.60	496	0.082	1	1.54	0.012	0.05	0.5	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
201068	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
201063	Soil	18	0.36	169	0.043	<1	1.03	0.009	0.08	0.3	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
201062	Soil	26	0.44	172	0.056	1	1.48	0.009	0.08	0.2	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
200556	Soil	25	0.51	318	0.070	2	1.35	0.016	0.09	0.2	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
200961	Soil	24	0.46	356	0.046	4	1.26	0.020	0.06	0.8	0.07	3.3	<0.1	0.07	3	0.7	<0.2
201081	Soil	26	0.46	286	0.072	1	1.42	0.014	0.04	0.3	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
202956	Soil	117	1.39	552	0.057	4	2.46	0.010	0.39	1.4	0.03	6.5	0.1	<0.05	8	<0.5	<0.2
203000	Soil	14	0.30	120	0.091	2	1.09	0.009	0.11	<0.1	<0.01	2.2	0.1	<0.05	7	<0.5	<0.2
200987	Soil	25	0.63	305	0.052	4	1.37	0.023	0.05	0.2	0.07	3.6	<0.1	0.05	4	1.0	<0.2
202037	Soil	32	0.45	177	0.080	2	1.45	0.012	0.10	0.3	0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
203002	Soil	28	0.59	184	0.111	<1	1.74	0.011	0.09	0.2	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
202954	Soil	18	0.34	290	0.045	3	1.42	0.011	0.09	1.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
200959	Soil	24	0.43	542	0.050	3	1.22	0.019	0.05	0.9	0.06	3.5	<0.1	<0.05	4	<0.5	<0.2
202013	Soil	31	0.44	153	0.053	2	2.19	0.006	0.06	0.2	0.01	4.5	0.1	<0.05	7	<0.5	<0.2
201084	Soil	25	0.43	281	0.070	2	1.54	0.012	0.07	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
201064	Soil	31	0.47	241	0.060	2	1.50	0.012	0.07	0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
200990	Soil	29	0.56	323	0.060	3	1.49	0.025	0.07	0.3	0.06	4.6	<0.1	<0.05	4	0.7	<0.2
200991	Soil	29	0.51	336	0.055	2	1.45	0.022	0.05	0.2	0.05	4.8	<0.1	<0.05	4	<0.5	<0.2
202016	Soil	7	0.11	63	0.041	1	0.67	0.006	0.07	<0.1	0.01	1.1	0.1	<0.05	6	<0.5	<0.2
201067	Soil	23	0.37	414	0.041	4	1.39	0.015	0.14	0.2	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
201050	Soil	22	0.49	205	0.056	3	1.17	0.022	0.06	0.2	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
202996	Soil	24	0.52	158	0.068	2	1.96	0.009	0.10	0.2	0.02	3.7	0.2	<0.05	8	<0.5	<0.2
202978	Soil	31	0.43	182	0.060	2	1.69	0.009	0.07	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
200984	Soil	30	0.79	270	0.080	2	1.56	0.017	0.17	0.1	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
201047	Soil	24	0.74	267	0.093	2	1.62	0.015	0.31	0.1	0.03	6.3	0.2	<0.05	6	0.7	<0.2
200921	Soil	26	0.45	272	0.054	2	1.43	0.020	0.06	0.4	0.04	4.0	<0.1	<0.05	4	0.6	<0.2
202968	Soil	25	0.33	251	0.058	2	1.75	0.012	0.06	0.2	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
201044	Soil	27	0.48	297	0.066	2	1.40	0.020	0.06	0.2	0.05	4.7	<0.1	<0.05	5	0.7	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
204019	Soil	0.6	14.1	10.0	55	0.1	15.7	7.3	691	2.24	5.1	2.7	3.6	20	0.1	0.8	0.1	52	0.31	0.026	14
201021	Soil	0.7	27.4	11.6	67	<0.1	20.3	10.6	577	2.78	7.7	0.8	3.8	32	0.2	0.4	0.2	64	1.44	0.047	19
201039	Soil	0.5	37.2	7.7	66	<0.1	17.3	10.9	355	2.67	6.4	2.9	3.4	25	<0.1	0.4	0.1	69	0.53	0.052	12
200986	Soil	1.1	26.1	9.8	48	0.1	18.9	8.3	436	2.12	8.6	15.4	2.6	42	0.2	0.6	0.1	49	1.46	0.061	15
204002	Soil	1.0	19.6	8.7	52	<0.1	16.0	11.0	581	2.82	6.4	1.0	4.7	20	<0.1	0.6	0.1	69	0.27	0.027	11
202950	Soil	0.9	18.0	7.8	46	<0.1	21.0	8.0	330	2.58	8.5	<0.5	4.4	17	<0.1	0.4	0.1	64	0.21	0.016	10
201054	Soil	1.4	25.0	12.5	70	0.4	15.0	8.5	874	2.36	4.2	<0.5	3.7	64	0.1	0.3	0.3	53	1.36	0.041	21
201059	Soil	1.3	36.1	9.9	87	<0.1	16.6	13.7	593	3.70	14.8	3.2	6.4	29	<0.1	0.4	0.1	80	0.60	0.066	17
204011	Soil	0.6	14.0	9.2	46	<0.1	15.1	6.7	206	2.27	5.1	9.5	4.1	19	<0.1	0.9	0.2	55	0.30	0.018	13
204013	Soil	0.6	22.2	10.0	59	0.1	19.1	9.6	408	2.68	6.8	2.2	5.5	24	<0.1	1.5	0.2	61	0.45	0.035	18
204004	Soil	0.9	20.2	9.6	60	0.1	21.9	9.8	309	3.21	8.6	1.5	4.4	12	<0.1	0.7	0.3	73	0.15	0.022	10
204021	Soil	0.8	20.8	7.7	61	<0.1	21.6	9.6	545	2.47	7.6	2.3	4.0	32	0.3	0.5	0.2	60	0.56	0.069	15
204008	Soil	0.9	14.8	8.4	41	<0.1	15.7	6.6	166	2.26	6.4	4.9	3.4	18	<0.1	0.7	0.1	62	0.26	0.016	11
204018	Soil	0.8	12.8	9.3	54	<0.1	15.2	7.0	263	2.26	5.3	1.5	3.5	21	0.1	0.6	0.1	54	0.36	0.035	11
204009	Soil	0.7	15.4	9.8	51	<0.1	16.9	7.0	221	2.45	6.6	1.9	3.8	16	<0.1	0.7	0.1	58	0.23	0.017	11
204015	Soil	0.8	30.1	8.3	59	0.1	20.4	10.4	878	2.33	5.7	2.6	4.5	31	0.4	0.9	0.2	52	0.59	0.046	17
203001	Soil	0.7	22.4	10.0	62	<0.1	22.7	11.9	326	3.22	8.6	3.0	11.1	15	<0.1	0.5	0.1	69	0.18	0.022	12
204012	Soil	0.8	18.2	10.4	53	0.2	15.5	9.2	271	2.55	6.4	1.1	3.6	18	0.1	1.1	0.2	57	0.28	0.022	16
203998	Soil	0.8	17.1	14.2	49	0.2	23.4	9.6	271	2.78	10.3	0.9	2.7	18	0.1	1.6	0.2	68	0.26	0.030	9
204017	Soil	0.6	23.3	10.1	62	<0.1	17.2	9.2	266	2.56	6.1	4.4	5.6	20	0.1	1.0	0.2	55	0.33	0.035	16
204437	Soil	1.3	13.6	11.0	68	<0.1	15.4	12.5	798	3.06	8.5	1.5	8.3	20	<0.1	0.4	0.2	70	0.36	0.060	21
204010	Soil	0.8	17.4	9.4	50	0.1	16.4	7.7	238	2.42	5.7	1.7	3.6	16	<0.1	0.8	0.2	61	0.22	0.017	12
204020	Soil	0.5	14.4	7.5	42	<0.1	13.4	6.0	161	1.95	4.6	4.9	3.6	17	<0.1	0.7	<0.1	50	0.25	0.018	13
204000	Soil	1.0	22.9	13.6	70	<0.1	19.9	9.5	491	3.13	6.9	1.1	5.3	20	<0.1	0.8	0.1	73	0.28	0.017	13
204413	Soil	1.1	45.7	17.1	81	0.2	22.3	7.7	439	2.50	6.2	12.3	5.9	51	0.3	0.6	0.6	50	0.99	0.061	44
201119	Soil	0.2	11.5	5.5	60	<0.1	8.6	7.7	442	1.92	2.9	3.6	4.4	18	<0.1	0.2	0.1	31	0.46	0.058	14
203005	Soil	0.7	13.1	8.4	77	<0.1	11.5	8.1	950	2.29	2.6	1.4	3.8	16	0.3	0.3	0.2	57	0.18	0.073	8
202966	Soil	1.8	15.6	11.9	51	<0.1	13.8	8.7	409	2.64	7.7	4.1	4.6	19	0.1	0.3	0.2	66	0.27	0.026	17
201120	Soil	0.5	13.2	6.2	65	<0.1	13.7	8.1	481	1.89	4.4	3.5	4.4	19	<0.1	0.3	<0.1	35	0.41	0.045	16
202970	Soil	0.9	16.3	7.4	49	0.1	15.0	7.2	280	2.40	5.3	4.9	4.3	23	0.1	0.3	0.2	58	0.37	0.037	15



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
204019	Soil	32	0.47	274	0.055	1	1.56	0.012	0.06	0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
201021	Soil	30	0.60	359	0.056	4	1.67	0.019	0.09	0.1	0.06	5.3	0.1	<0.05	5	0.8	<0.2
201039	Soil	28	0.77	278	0.084	8	1.75	0.023	0.17	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
200986	Soil	24	0.51	359	0.043	3	1.23	0.020	0.07	0.5	0.09	4.1	<0.1	0.05	4	0.6	<0.2
204002	Soil	30	0.57	254	0.066	2	1.82	0.012	0.07	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
202950	Soil	34	0.44	203	0.054	1	1.76	0.008	0.05	0.2	0.03	3.4	<0.1	<0.05	5	0.7	<0.2
201054	Soil	24	0.70	456	0.076	2	1.56	0.015	0.12	0.2	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
201059	Soil	20	0.69	275	0.076	2	2.02	0.014	0.22	0.3	0.02	5.8	0.1	<0.05	7	<0.5	<0.2
204011	Soil	30	0.45	232	0.056	1	1.53	0.011	0.06	0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
204013	Soil	34	0.52	337	0.061	1	1.78	0.018	0.07	0.2	0.11	5.6	<0.1	<0.05	5	<0.5	<0.2
204004	Soil	34	0.52	217	0.064	1	2.23	0.009	0.06	0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
204021	Soil	30	0.51	301	0.063	2	1.60	0.021	0.09	0.3	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
204008	Soil	28	0.39	275	0.059	2	1.58	0.011	0.06	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
204018	Soil	28	0.48	215	0.061	1	1.44	0.015	0.06	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
204009	Soil	29	0.45	242	0.058	1	1.68	0.009	0.05	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
204015	Soil	27	0.41	369	0.054	2	1.51	0.021	0.06	0.2	0.07	4.8	<0.1	<0.05	4	<0.5	<0.2
203001	Soil	37	0.53	232	0.060	2	2.48	0.010	0.07	0.2	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
204012	Soil	29	0.39	319	0.053	1	1.60	0.011	0.08	0.2	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
203998	Soil	32	0.43	359	0.044	2	1.90	0.008	0.06	0.2	0.08	2.7	0.1	<0.05	6	<0.5	<0.2
204017	Soil	30	0.50	211	0.063	1	1.67	0.016	0.06	0.2	0.06	5.0	<0.1	<0.05	5	0.5	<0.2
204437	Soil	32	0.50	244	0.073	2	1.92	0.010	0.10	0.2	0.03	4.5	0.1	<0.05	7	<0.5	<0.2
204010	Soil	32	0.41	230	0.055	<1	1.70	0.010	0.06	0.2	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
204020	Soil	25	0.41	231	0.052	<1	1.34	0.011	0.04	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
204000	Soil	41	0.75	274	0.074	1	2.17	0.009	0.09	0.1	0.02	4.4	<0.1	<0.05	7	<0.5	<0.2
204413	Soil	27	0.48	425	0.043	3	2.16	0.014	0.10	0.3	0.10	5.7	0.1	0.06	6	0.6	<0.2
201119	Soil	16	0.66	145	0.052	1	1.40	0.006	0.17	<0.1	<0.01	3.7	0.1	<0.05	4	<0.5	<0.2
203005	Soil	21	0.23	347	0.052	2	1.28	0.011	0.06	0.1	0.01	2.2	0.1	<0.05	6	<0.5	<0.2
202966	Soil	29	0.39	298	0.062	2	1.78	0.009	0.06	0.2	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
201120	Soil	19	0.65	170	0.059	<1	1.50	0.007	0.09	<0.1	<0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
202970	Soil	27	0.38	258	0.073	2	1.73	0.011	0.08	0.4	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201031	Soil	0.7	16.5	6.5	46	<0.1	15.5	7.7	300	1.82	7.6	3.4	1.7	35	0.2	0.4	0.2	47	1.96	0.055	11
204412	Soil	4.0	43.3	14.5	66	0.2	26.5	10.5	3903	2.61	17.0	21.1	6.3	22	0.8	0.9	0.2	55	1.19	0.039	28
202973	Soil	0.8	17.5	7.9	53	<0.1	13.4	8.0	293	2.33	4.7	1.2	6.2	22	<0.1	0.3	0.1	55	0.34	0.033	19
201121	Soil	0.2	6.5	3.0	111	<0.1	7.2	15.3	654	2.30	1.5	<0.5	2.1	19	<0.1	0.1	<0.1	34	0.52	0.054	11
201112	Soil	0.7	15.9	9.4	112	<0.1	12.5	10.1	417	2.71	3.6	0.9	2.8	44	0.2	0.1	<0.1	69	0.50	0.177	9
203004	Soil	0.8	26.4	11.3	56	<0.1	22.1	9.4	272	3.08	7.9	6.8	9.2	21	<0.1	0.5	0.1	72	0.26	0.019	25
204410	Soil	0.6	29.5	8.7	63	<0.1	27.6	11.3	784	2.46	7.0	2.9	2.0	29	1.1	0.4	0.2	64	1.65	0.055	12
204414	Soil	1.1	51.3	14.9	102	<0.1	20.6	11.8	439	2.93	8.8	6.8	6.2	41	<0.1	0.5	0.2	67	0.60	0.076	21
201110	Soil	0.7	22.1	7.7	96	<0.1	18.2	11.3	371	3.28	6.6	1.5	2.7	51	0.1	0.3	<0.1	84	0.39	0.062	8
201027	Soil	0.5	32.7	9.5	61	0.1	28.2	11.5	413	2.63	10.5	3.9	3.8	33	0.3	0.7	0.1	63	1.40	0.057	15
201968	Soil	0.8	19.5	16.0	88	<0.1	14.1	10.2	646	2.55	5.1	2.1	5.3	41	0.3	0.2	0.2	56	1.53	0.041	21
202030	Soil	0.6	26.2	10.8	56	<0.1	19.1	9.9	238	2.67	6.1	132.9	9.4	23	<0.1	0.5	0.1	68	0.31	0.019	25
202027	Soil	0.7	19.5	11.9	49	<0.1	14.6	7.1	191	2.69	6.9	1.5	5.3	15	0.1	0.4	0.2	64	0.19	0.022	13
202003	Soil	0.8	21.4	11.4	71	<0.1	13.5	8.9	587	2.20	4.4	6.9	3.5	56	0.2	0.3	0.1	50	1.68	0.058	15
201997	Soil	0.5	17.5	7.0	44	<0.1	15.5	7.0	446	1.69	6.1	2.6	1.2	44	0.3	0.3	0.1	42	2.52	0.058	9
202974	Soil	0.6	16.8	7.9	54	<0.1	13.2	7.5	348	2.35	4.9	3.2	9.2	21	<0.1	0.3	0.1	52	0.37	0.036	21
201966	Soil	0.9	19.1	9.2	66	<0.1	12.6	7.3	313	2.00	4.2	3.1	3.5	35	0.2	0.3	0.2	47	1.64	0.053	15
202036	Soil	1.7	10.8	8.2	42	<0.1	11.4	5.0	122	2.50	8.3	2.9	2.3	12	0.2	0.3	0.1	74	0.12	0.027	13
202953	Soil	1.1	12.7	9.7	51	<0.1	15.8	7.4	338	2.61	7.8	1.3	4.5	20	<0.1	0.4	0.1	64	0.31	0.037	10
202029	Soil	0.8	19.9	11.5	58	<0.1	15.6	8.0	195	2.58	5.2	5.3	7.7	18	<0.1	0.4	0.1	59	0.26	0.023	16
201981	Soil	0.5	21.2	6.9	59	<0.1	17.0	8.4	351	2.36	8.7	2.1	2.6	32	0.2	0.3	<0.1	61	1.29	0.070	11
202009	Soil	1.1	17.5	12.6	58	<0.1	17.8	8.1	271	2.67	6.6	3.0	8.6	22	<0.1	0.3	0.2	67	0.38	0.039	30
202001	Soil	0.5	31.5	14.7	75	0.1	17.1	9.3	472	2.00	5.5	2.5	2.9	43	0.4	0.3	0.5	49	2.01	0.055	16
201978	Soil	0.7	28.0	8.1	56	<0.1	25.1	10.0	412	2.41	8.4	5.5	3.4	33	0.2	0.6	0.2	60	0.96	0.056	13
202017	Soil	0.8	14.2	13.1	76	<0.1	9.0	6.1	268	2.18	3.2	2.2	8.1	18	<0.1	0.2	0.1	48	0.24	0.036	22
201986	Soil	1.8	34.4	6.6	47	0.1	18.7	7.5	342	2.38	11.5	2.6	3.2	41	0.1	0.5	0.1	62	1.17	0.053	25
203925	Soil	0.6	17.8	8.5	105	<0.1	16.7	12.1	385	3.51	9.2	1.5	5.5	22	<0.1	0.3	<0.1	85	0.46	0.079	14
203905	Soil	1.4	14.1	17.3	56	0.2	12.1	6.1	191	2.08	3.8	2.5	3.8	18	0.1	0.5	0.3	49	0.29	0.012	9
203914	Soil	0.6	19.4	8.1	86	<0.1	19.8	11.9	481	3.00	6.4	7.5	4.4	28	0.1	0.4	0.1	80	0.64	0.087	18
203918	Soil	0.4	24.1	7.3	69	<0.1	20.0	12.1	646	2.72	5.6	5.1	2.5	52	0.2	0.4	0.1	66	1.39	0.079	12



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201031	Soil	22	0.43	249	0.041	2	1.15	0.017	0.04	0.1	0.05	3.5	<0.1	0.10	3	0.5	<0.2
204412	Soil	23	0.81	1674	0.016	3	1.42	0.008	0.12	2.6	0.39	7.3	0.2	<0.05	5	<0.5	<0.2
202973	Soil	23	0.45	189	0.082	1	1.48	0.013	0.10	0.2	0.01	3.3	0.1	<0.05	5	<0.5	<0.2
201121	Soil	8	1.21	120	0.107	<1	1.81	0.005	0.11	<0.1	<0.01	5.7	0.1	<0.05	7	<0.5	<0.2
201112	Soil	25	0.93	171	0.124	2	2.04	0.007	0.28	0.1	0.02	2.7	0.2	<0.05	11	<0.5	<0.2
203004	Soil	39	0.53	242	0.077	2	2.18	0.011	0.06	0.1	0.03	6.4	0.1	<0.05	6	<0.5	<0.2
204410	Soil	37	0.45	325	0.052	5	1.69	0.027	0.06	0.2	0.04	4.7	<0.1	0.06	5	<0.5	<0.2
204414	Soil	31	0.74	292	0.085	2	1.85	0.020	0.12	0.2	0.04	5.6	0.1	<0.05	6	<0.5	<0.2
201110	Soil	32	0.96	174	0.135	1	2.29	0.008	0.21	0.1	<0.01	2.7	0.1	<0.05	9	<0.5	<0.2
201027	Soil	29	0.55	327	0.073	3	1.60	0.022	0.06	0.2	0.07	5.0	<0.1	<0.05	4	0.8	<0.2
201968	Soil	23	0.54	317	0.057	4	1.37	0.014	0.12	0.2	0.03	4.8	0.1	<0.05	5	<0.5	<0.2
202030	Soil	35	0.52	250	0.086	1	1.86	0.011	0.06	0.2	0.03	6.4	0.1	<0.05	6	<0.5	<0.2
202027	Soil	29	0.38	172	0.071	<1	1.89	0.008	0.06	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
202003	Soil	22	0.54	290	0.058	4	1.20	0.013	0.14	0.2	0.03	4.1	0.2	0.09	4	<0.5	<0.2
201997	Soil	21	0.36	243	0.038	3	1.07	0.016	0.04	0.1	0.04	2.5	<0.1	0.09	3	0.6	<0.2
202974	Soil	24	0.45	203	0.076	1	1.49	0.012	0.10	0.2	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
201966	Soil	21	0.46	239	0.051	3	1.17	0.015	0.09	0.1	0.04	3.5	0.1	0.06	4	<0.5	<0.2
202036	Soil	26	0.30	104	0.063	2	1.37	0.007	0.05	0.2	<0.01	2.8	0.1	<0.05	6	<0.5	<0.2
202953	Soil	31	0.41	208	0.064	2	1.56	0.009	0.13	0.3	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
202029	Soil	28	0.48	153	0.089	1	1.77	0.011	0.07	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
201981	Soil	25	0.68	203	0.075	3	1.33	0.019	0.09	0.2	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
202009	Soil	33	0.47	246	0.078	1	1.92	0.011	0.06	0.2	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
202001	Soil	26	0.62	369	0.049	4	1.27	0.014	0.10	0.2	0.07	3.9	0.2	0.07	4	0.8	<0.2
201978	Soil	28	0.50	314	0.064	2	1.34	0.024	0.06	0.3	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
202017	Soil	17	0.47	120	0.074	1	1.36	0.019	0.11	0.2	0.02	2.6	0.2	<0.05	7	<0.5	<0.2
201986	Soil	23	0.65	308	0.067	2	1.60	0.014	0.18	0.1	0.03	5.6	0.1	0.07	5	0.6	<0.2
203925	Soil	28	0.98	247	0.086	2	2.17	0.009	0.45	<0.1	0.01	5.1	0.2	<0.05	10	<0.5	<0.2
203905	Soil	23	0.36	506	0.042	<1	1.36	0.008	0.17	0.4	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
203914	Soil	31	0.86	178	0.096	1	1.51	0.021	0.33	0.3	0.02	6.7	0.1	<0.05	6	<0.5	<0.2
203918	Soil	25	0.80	265	0.082	2	1.40	0.027	0.27	0.2	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203921	Soil	1.3	23.1	8.3	53	<0.1	13.7	8.0	449	2.07	29.5	2.1	1.8	44	0.2	0.3	0.4	48	1.46	0.056	9
203912	Soil	0.4	16.3	9.4	59	<0.1	12.2	7.1	232	2.12	4.7	1.7	2.4	35	<0.1	0.2	0.2	52	0.87	0.075	12
203904	Soil	2.5	61.3	30.3	101	0.3	23.8	10.3	586	3.11	7.4	45.2	7.3	20	<0.1	0.7	0.3	57	0.47	0.020	35
203926	Soil	0.8	23.8	22.9	152	<0.1	19.6	12.7	350	3.97	9.5	0.6	4.4	32	<0.1	0.3	0.2	100	0.45	0.108	16
203920	Soil	0.6	29.8	31.4	77	<0.1	14.1	10.7	543	2.97	5.4	3.3	3.1	39	0.3	0.3	0.3	77	1.05	0.092	16
203919	Soil	0.9	21.9	12.6	67	<0.1	12.1	10.8	626	2.70	9.2	1.5	2.4	52	0.2	0.2	0.1	66	1.11	0.073	13
203903	Soil	6.1	36.1	36.7	70	0.4	17.7	12.0	347	3.07	6.5	125.9	6.5	24	<0.1	0.6	0.4	55	0.39	0.027	18
203924	Soil	0.7	16.0	7.8	64	<0.1	19.1	10.9	357	3.02	9.9	1.5	3.7	20	<0.1	0.5	0.1	70	0.31	0.040	9
203913	Soil	0.3	18.8	9.5	64	<0.1	15.5	8.2	426	2.10	4.7	2.2	2.6	35	0.1	0.3	0.1	54	1.10	0.072	14
203910	Soil	0.7	36.4	9.4	56	<0.1	29.5	11.0	382	2.69	10.4	7.0	4.8	26	<0.1	0.6	0.1	65	0.62	0.017	17
203906	Soil	1.8	76.1	90.9	114	0.4	5.8	5.9	409	1.87	5.1	26.7	10.9	25	0.2	0.9	3.0	27	0.58	0.033	16
203915	Soil	0.8	39.0	8.0	61	0.1	26.0	10.5	421	2.66	7.6	2.4	3.4	43	0.2	0.6	0.2	67	0.85	0.065	14
203821	Soil	1.8	18.3	10.2	52	0.2	13.6	6.1	223	2.74	8.4	3.2	5.4	17	<0.1	0.3	0.1	69	0.23	0.024	18
203810	Soil	0.7	21.7	9.0	57	<0.1	19.4	9.1	426	2.54	7.0	4.0	7.4	24	0.2	0.4	0.1	59	0.53	0.055	23
203917	Soil	0.5	24.8	6.0	56	<0.1	18.6	13.8	780	3.68	6.1	3.2	3.2	30	<0.1	0.3	<0.1	106	0.77	0.068	12
203923	Soil	0.4	26.4	5.4	94	<0.1	11.1	11.3	704	3.68	3.5	1.5	3.2	16	<0.1	<0.1	<0.1	85	0.48	0.103	6
203815	Soil	0.8	13.1	9.0	61	<0.1	15.4	8.4	308	2.50	6.0	4.3	6.0	21	<0.1	0.3	0.1	66	0.41	0.056	20
203807	Soil	0.7	14.0	6.7	67	<0.1	16.9	9.1	427	2.58	5.6	4.5	7.0	31	0.1	0.3	<0.1	59	0.52	0.068	20
203908	Soil	0.6	22.7	8.6	52	<0.1	24.1	10.8	310	2.82	8.3	7.8	4.1	29	0.1	0.5	0.1	71	0.76	0.022	15
203922	Soil	0.8	18.8	9.1	51	<0.1	23.9	8.8	160	2.82	10.6	3.3	4.7	21	<0.1	0.5	0.1	72	0.38	0.020	11
203819	Soil	1.7	26.7	11.8	53	0.3	15.2	9.5	646	2.32	3.3	2.3	3.2	22	0.1	0.2	0.2	57	0.35	0.047	34
203806	Soil	1.0	21.0	10.3	75	0.1	16.6	11.3	712	2.83	6.6	1.9	8.1	26	0.2	0.4	0.1	60	0.54	0.068	39
203907	Soil	0.6	27.3	8.3	54	<0.1	26.2	10.0	383	2.58	8.1	26.0	5.8	27	<0.1	0.4	0.2	69	0.61	0.054	17
203916	Soil	0.6	32.5	9.8	71	<0.1	24.4	10.9	498	3.09	8.1	8.0	3.8	34	<0.1	0.4	0.1	71	0.78	0.063	17
203801	Soil	1.4	13.7	8.5	65	<0.1	16.6	7.6	369	2.81	6.3	2.7	3.7	17	<0.1	0.4	0.1	69	0.27	0.027	11
203805	Soil	1.8	36.8	12.7	82	0.3	26.2	12.8	864	3.32	9.3	3.7	4.0	54	0.2	0.6	0.2	71	1.27	0.083	87
203803	Soil	1.5	19.9	10.6	61	0.1	18.9	11.5	542	2.91	7.2	8.8	5.2	22	<0.1	0.4	0.1	67	0.40	0.035	20
203911	Soil	0.9	30.6	9.8	54	<0.1	25.4	10.5	428	2.55	9.7	6.1	4.1	31	0.2	0.5	0.1	61	1.13	0.059	15
203809	Soil	0.9	18.5	9.5	57	<0.1	16.5	9.0	454	2.55	6.4	3.0	8.1	24	0.1	0.3	0.1	60	0.44	0.045	25
203814	Soil	1.3	25.7	9.6	72	0.3	15.7	11.6	913	2.74	5.2	2.3	6.2	33	0.2	0.3	0.2	56	0.73	0.073	71



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203921	Soil	22	0.50	196	0.048	2	0.98	0.014	0.09	0.2	0.03	4.0	0.1	0.06	4	<0.5	<0.2
203912	Soil	20	0.65	188	0.071	2	1.19	0.016	0.15	0.2	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
203904	Soil	27	0.70	410	0.048	2	1.94	0.009	0.21	2.3	0.10	6.5	0.1	<0.05	5	<0.5	<0.2
203926	Soil	36	1.16	143	0.108	2	2.46	0.007	0.37	<0.1	0.01	3.7	0.2	<0.05	11	<0.5	<0.2
203920	Soil	23	0.84	327	0.114	3	1.57	0.014	0.35	0.1	0.03	6.3	0.2	<0.05	6	<0.5	<0.2
203919	Soil	20	0.68	303	0.090	2	1.37	0.012	0.22	0.2	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
203903	Soil	32	0.48	666	0.036	2	1.79	0.009	0.16	5.8	0.07	5.6	0.1	<0.05	6	<0.5	0.3
203924	Soil	33	0.60	255	0.093	2	1.78	0.010	0.26	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
203913	Soil	23	0.63	220	0.070	3	1.27	0.020	0.18	0.2	0.05	4.1	<0.1	<0.05	4	<0.5	<0.2
203910	Soil	32	0.58	240	0.071	2	1.45	0.023	0.06	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
203906	Soil	11	0.26	599	0.006	3	1.16	0.006	0.18	0.9	0.07	1.8	0.1	<0.05	3	0.7	0.4
203915	Soil	30	0.64	295	0.082	3	1.42	0.024	0.14	0.2	0.03	4.8	0.1	<0.05	5	<0.5	<0.2
203821	Soil	27	0.40	192	0.075	1	1.87	0.007	0.07	0.4	0.04	4.5	<0.1	<0.05	8	<0.5	<0.2
203810	Soil	31	0.47	278	0.069	2	1.53	0.018	0.06	0.2	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
203917	Soil	21	1.24	335	0.178	2	1.98	0.016	0.57	0.2	0.02	6.4	0.2	<0.05	7	<0.5	<0.2
203923	Soil	13	1.04	231	0.175	1	1.88	0.007	0.78	<0.1	0.01	8.1	0.3	<0.05	9	<0.5	<0.2
203815	Soil	30	0.52	236	0.076	2	1.72	0.013	0.08	0.3	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
203807	Soil	40	0.64	231	0.099	2	1.48	0.013	0.18	0.3	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
203908	Soil	36	0.56	284	0.075	2	1.69	0.025	0.07	0.2	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
203922	Soil	37	0.50	220	0.070	<1	1.76	0.013	0.07	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
203819	Soil	26	0.27	319	0.061	2	1.87	0.013	0.08	0.3	0.04	4.6	<0.1	<0.05	8	<0.5	<0.2
203806	Soil	31	0.51	309	0.065	2	1.74	0.014	0.08	0.2	0.08	6.0	<0.1	<0.05	6	<0.5	<0.2
203907	Soil	34	0.56	233	0.079	2	1.32	0.025	0.07	0.5	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
203916	Soil	31	0.80	286	0.098	2	1.52	0.026	0.21	0.2	0.03	5.8	0.1	<0.05	6	<0.5	<0.2
203801	Soil	37	0.58	159	0.084	2	1.71	0.008	0.12	0.2	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
203805	Soil	36	0.48	569	0.053	3	2.58	0.014	0.11	0.3	0.14	8.2	<0.1	0.10	7	1.0	<0.2
203803	Soil	37	0.55	289	0.073	2	1.88	0.012	0.09	0.2	0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
203911	Soil	31	0.60	308	0.065	3	1.29	0.024	0.07	0.3	0.05	4.5	<0.1	<0.05	4	<0.5	<0.2
203809	Soil	29	0.45	264	0.076	2	1.46	0.014	0.08	0.2	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
203814	Soil	27	0.44	392	0.052	2	1.92	0.011	0.10	0.2	0.10	6.6	0.1	<0.05	6	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203811	Soil	1.0	13.6	8.7	59	<0.1	15.2	6.9	304	2.59	6.0	4.5	6.0	19	<0.1	0.4	0.1	62	0.34	0.032	18
203817	Soil	1.0	14.9	8.5	64	0.1	13.6	7.2	346	2.46	5.3	3.2	4.4	26	0.2	0.3	0.1	52	0.45	0.061	37
203802	Soil	1.8	20.9	10.4	57	0.2	15.6	11.8	587	2.67	7.3	2.0	3.9	16	<0.1	0.4	0.4	67	0.24	0.038	18
203820	Soil	1.5	14.8	9.7	51	<0.1	13.5	6.2	273	2.50	8.0	3.1	4.5	16	<0.1	0.3	0.2	66	0.22	0.026	17
203818	Soil	1.7	16.7	7.9	52	0.1	15.3	8.8	499	2.42	6.4	3.9	3.6	17	0.2	0.3	0.2	64	0.28	0.031	14
202011	Soil	0.8	17.3	8.7	59	<0.1	14.1	7.0	286	2.36	4.5	1.9	14.2	18	<0.1	0.2	0.1	52	0.28	0.048	54
203800	Soil	1.0	18.2	11.5	64	<0.1	18.1	8.3	327	2.85	6.2	2.0	5.2	14	<0.1	0.4	0.3	61	0.22	0.020	14
203813	Soil	1.1	15.1	8.8	57	<0.1	17.3	9.0	373	2.57	7.3	13.8	7.3	22	<0.1	0.4	0.2	60	0.46	0.050	19
203812	Soil	0.9	20.2	10.1	57	<0.1	17.3	9.0	315	2.61	7.1	1.6	8.4	24	0.1	0.4	0.2	68	0.46	0.043	29
201065	Soil	1.0	19.6	8.4	46	<0.1	18.9	8.1	357	2.42	8.0	1.9	6.4	22	<0.1	0.4	0.2	63	0.36	0.037	19
203804	Soil	1.6	14.3	12.7	51	0.1	12.7	6.3	261	2.40	6.5	3.0	2.6	13	0.1	0.3	0.2	64	0.20	0.032	11
203816	Soil	1.0	13.8	7.0	70	<0.1	14.6	11.8	510	3.14	6.2	2.2	5.3	19	<0.1	0.2	0.3	69	0.36	0.054	15
203808	Soil	0.8	14.7	8.4	63	<0.1	14.6	9.2	325	2.53	6.5	2.7	6.7	25	<0.1	0.3	0.2	62	0.46	0.055	19
202033	Soil	0.9	17.2	10.5	48	<0.1	16.3	8.2	238	2.71	8.7	2.6	7.6	15	<0.1	0.3	0.2	72	0.17	0.017	18
201079	Soil	0.8	28.5	8.1	58	0.1	23.8	9.7	432	2.44	7.1	7.1	3.8	36	0.2	0.5	0.2	60	0.71	0.063	16
202018	Soil	0.7	18.8	10.5	54	0.2	9.9	6.6	276	2.12	4.4	1.3	8.7	21	<0.1	0.2	0.2	46	0.30	0.050	71
202025	Soil	0.6	19.8	8.5	51	<0.1	15.1	7.5	317	2.33	4.8	1.9	7.9	20	<0.1	0.4	0.1	56	0.30	0.031	20
202006	Soil	1.0	15.7	9.4	59	<0.1	13.9	9.9	418	2.59	6.5	1.7	5.7	17	0.1	0.4	0.2	59	0.24	0.056	19
200380	Soil	0.3	45.2	11.7	85	0.1	20.8	13.0	513	3.34	4.3	0.9	2.1	482	0.1	<0.1	<0.1	108	1.33	0.073	7
201071	Soil	1.0	18.1	7.6	50	<0.1	15.6	9.5	418	2.22	6.4	3.5	4.7	27	0.2	0.3	0.1	58	0.45	0.058	18
202949	Soil	0.9	15.0	9.7	51	0.1	19.9	11.9	639	2.64	6.4	<0.5	4.6	16	0.1	0.3	0.1	69	0.18	0.022	11
202028	Soil	0.7	19.5	11.3	57	<0.1	16.1	8.0	220	2.90	7.2	1.4	6.9	16	<0.1	0.4	0.1	70	0.21	0.022	15
200375	Soil	0.6	27.8	8.0	67	<0.1	17.0	11.5	499	2.93	5.1	<0.5	3.2	20	0.1	0.3	0.1	78	0.38	0.044	22
203006	Soil	1.0	13.1	12.4	63	0.1	18.8	16.8	608	2.88	5.9	<0.5	5.7	17	<0.1	0.3	0.1	73	0.20	0.026	12
202977	Soil	0.8	16.1	12.3	46	<0.1	15.4	8.2	437	2.66	8.2	1.5	5.2	17	<0.1	0.4	0.2	69	0.22	0.022	13
202015	Soil	1.1	18.0	9.7	47	<0.1	15.6	7.1	227	2.66	6.9	1.6	8.7	16	<0.1	0.4	0.2	63	0.21	0.022	24
201900	Soil	0.7	24.7	9.9	59	<0.1	22.0	8.4	373	1.90	7.0	5.4	1.6	42	0.4	0.4	0.1	48	2.32	0.063	12
202999	Soil	1.1	13.0	10.7	41	<0.1	11.3	5.1	146	2.21	7.1	0.8	3.0	15	<0.1	0.2	0.1	62	0.20	0.039	23
202021	Soil	0.6	21.2	11.3	66	<0.1	15.9	8.8	351	2.71	6.5	3.3	11.1	25	0.1	0.4	0.1	63	0.43	0.048	33
203003	Soil	0.8	21.1	13.6	57	<0.1	17.7	7.8	164	3.30	10.6	<0.5	8.5	20	<0.1	0.4	0.1	81	0.26	0.026	25



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203811	Soil	29	0.42	208	0.072	1	1.76	0.012	0.07	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
203817	Soil	26	0.38	313	0.052	2	1.55	0.011	0.06	0.2	0.05	5.0	<0.1	<0.05	5	<0.5	<0.2
203802	Soil	33	0.49	223	0.076	1	1.69	0.009	0.12	0.2	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
203820	Soil	28	0.39	207	0.068	1	1.80	0.009	0.07	0.3	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
203818	Soil	29	0.41	192	0.069	2	1.67	0.011	0.07	0.3	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
202011	Soil	27	0.45	202	0.070	1	1.58	0.009	0.06	0.2	0.02	4.6	0.1	<0.05	5	<0.5	<0.2
203800	Soil	41	0.60	155	0.082	3	1.91	0.009	0.11	0.2	0.01	4.5	0.1	<0.05	6	<0.5	<0.2
203813	Soil	32	0.46	265	0.078	2	1.56	0.015	0.06	0.3	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
203812	Soil	33	0.41	306	0.094	3	1.78	0.014	0.07	0.2	0.04	5.6	<0.1	<0.05	5	<0.5	<0.2
201065	Soil	34	0.48	231	0.066	3	1.45	0.012	0.08	0.2	0.03	4.1	0.1	<0.05	5	<0.5	<0.2
203804	Soil	28	0.34	158	0.070	2	1.57	0.010	0.09	0.2	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
203816	Soil	35	0.75	175	0.125	2	1.81	0.011	0.22	0.2	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
203808	Soil	29	0.52	239	0.082	2	1.54	0.017	0.08	0.3	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
202033	Soil	33	0.41	151	0.078	2	1.93	0.009	0.06	0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
201079	Soil	30	0.52	337	0.064	2	1.52	0.026	0.06	0.2	0.04	4.9	<0.1	<0.05	4	0.7	<0.2
202018	Soil	21	0.39	182	0.062	2	1.49	0.009	0.11	0.2	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
202025	Soil	31	0.43	199	0.077	2	1.52	0.010	0.09	<0.1	<0.01	4.3	0.1	<0.05	5	<0.5	<0.2
202006	Soil	28	0.38	159	0.068	2	1.67	0.011	0.10	0.2	0.03	4.0	0.1	<0.05	5	<0.5	<0.2
200380	Soil	36	2.14	413	0.190	2	3.64	0.015	0.38	0.1	0.01	7.0	0.1	<0.05	12	<0.5	<0.2
201071	Soil	27	0.41	251	0.069	3	1.46	0.016	0.06	0.3	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
202949	Soil	31	0.40	276	0.066	2	1.83	0.011	0.06	0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
202028	Soil	33	0.47	175	0.087	1	2.11	0.009	0.07	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
200375	Soil	25	0.89	340	0.126	2	1.83	0.013	0.18	0.1	0.01	8.3	0.2	<0.05	7	<0.5	<0.2
203006	Soil	32	0.48	278	0.076	2	2.09	0.009	0.11	0.1	0.02	3.7	0.2	<0.05	7	<0.5	<0.2
202977	Soil	29	0.44	208	0.075	2	1.75	0.010	0.08	0.2	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
202015	Soil	28	0.39	174	0.066	2	1.81	0.008	0.06	<0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
201900	Soil	29	0.87	266	0.041	4	1.19	0.017	0.07	0.7	0.07	4.0	0.1	0.07	4	<0.5	<0.2
202999	Soil	25	0.33	119	0.055	2	1.45	0.008	0.06	0.1	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
202021	Soil	30	0.52	228	0.091	2	1.87	0.013	0.11	0.2	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
203003	Soil	35	0.50	211	0.088	2	2.30	0.008	0.07	0.2	0.02	4.4	0.2	<0.05	8	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201929	Soil	0.6	14.4	16.2	113	<0.1	15.7	11.7	436	3.36	5.9	2.2	4.6	27	0.1	0.3	0.1	88	0.56	0.109	12
201925	Soil	0.5	21.9	6.2	100	<0.1	10.9	8.7	317	2.96	3.6	2.0	2.3	21	<0.1	0.1	<0.1	82	0.49	0.101	11
201927	Soil	0.7	27.2	47.3	80	<0.1	16.0	10.7	491	3.08	8.3	2.2	3.9	33	<0.1	0.2	0.3	84	0.77	0.090	18
202842	Soil	0.9	30.9	12.4	55	<0.1	26.6	10.7	576	2.78	9.4	3.4	4.1	30	<0.1	0.5	0.1	71	0.63	0.044	19
200345	Soil	1.7	17.1	10.6	79	<0.1	16.6	10.4	705	2.13	5.1	1.0	4.9	25	0.2	0.4	0.1	57	0.50	0.069	25
201920	Soil	0.8	20.6	7.2	48	<0.1	15.8	7.5	283	2.56	7.2	2.4	3.6	21	<0.1	0.3	0.1	65	0.38	0.047	12
201922	Soil	1.5	21.5	10.7	64	<0.1	17.5	12.3	742	3.29	5.1	<0.5	2.7	19	<0.1	0.2	<0.1	82	0.43	0.068	12
202825	Soil	4.4	56.5	36.6	80	0.2	34.3	11.0	461	2.87	8.2	24.7	6.7	33	0.2	0.8	0.2	61	0.69	0.038	26
201923	Soil	0.6	19.0	8.8	63	<0.1	14.0	11.9	563	3.39	3.9	<0.5	3.4	19	<0.1	0.2	<0.1	81	0.47	0.065	13
201937	Soil	1.0	25.6	17.0	63	0.1	23.4	8.4	473	1.94	7.1	4.2	2.3	49	0.5	0.5	0.1	51	1.48	0.072	13
200399	Soil	1.0	28.6	7.7	50	0.1	20.8	5.0	184	1.21	4.2	5.5	1.0	45	0.4	0.4	0.1	38	2.83	0.063	9
201919	Soil	0.4	22.6	5.9	93	<0.1	10.9	12.6	454	3.57	4.7	<0.5	3.2	16	<0.1	0.2	<0.1	99	0.42	0.085	11
200378	Soil	0.4	33.1	10.0	71	0.1	18.3	10.8	860	2.50	6.6	4.2	4.0	54	0.1	0.4	0.2	55	0.73	0.066	25
202804	Soil	0.8	23.2	10.1	46	<0.1	19.4	8.5	300	2.58	7.8	2.4	3.8	35	<0.1	0.5	0.2	57	0.41	0.044	15
201918	Soil	0.6	19.1	8.6	80	<0.1	13.1	10.5	598	2.75	4.6	3.3	4.3	24	<0.1	0.3	0.1	59	0.49	0.066	24
201930	Soil	1.1	13.4	14.9	60	<0.1	12.0	8.2	327	2.38	5.2	1.9	3.3	32	<0.1	0.4	0.2	62	0.46	0.074	13
203927	Soil	1.0	25.2	75.1	110	<0.1	20.6	12.0	632	3.51	9.9	5.3	7.4	50	<0.1	0.5	0.3	79	0.79	0.104	31
203935	Soil	0.7	32.5	9.9	58	0.1	25.3	8.8	499	2.41	8.2	5.7	4.6	44	0.2	0.6	0.2	54	0.79	0.060	20
202847	Soil	1.3	14.6	39.0	61	<0.1	12.1	8.5	398	2.73	7.7	1.0	2.7	26	<0.1	0.3	0.4	56	0.42	0.073	8
202836	Soil	0.5	10.7	5.8	55	<0.1	12.3	11.3	686	3.03	4.2	0.6	2.8	23	<0.1	0.4	0.1	64	0.35	0.048	9
203931	Soil	0.6	42.9	12.5	66	0.1	21.8	8.4	428	2.14	9.0	9.2	3.5	54	0.3	0.7	0.3	46	1.60	0.073	18
203932	Soil	1.1	32.5	11.8	63	0.1	23.5	8.7	585	2.09	8.7	10.5	3.0	53	0.6	0.7	0.3	47	1.58	0.068	16
202824	Soil	2.2	62.6	40.6	64	0.3	25.1	10.5	501	2.76	7.6	29.5	6.7	40	0.1	2.5	0.4	56	0.59	0.030	30
202823	Soil	1.4	41.9	40.5	64	0.2	18.3	9.2	340	2.59	8.7	9.9	4.7	31	0.2	2.9	0.7	61	0.47	0.024	12
203930	Soil	1.9	31.4	9.9	55	0.1	24.1	8.3	590	1.93	11.6	6.3	2.5	67	0.5	0.9	0.2	41	2.67	0.073	16
203928	Soil	0.8	20.3	12.4	64	<0.1	14.5	9.5	311	2.73	7.7	2.7	3.6	49	<0.1	0.6	0.1	58	0.39	0.033	11
202833	Soil	0.3	8.0	3.9	67	<0.1	11.1	13.7	473	2.19	6.8	0.6	2.9	22	<0.1	0.4	<0.1	43	0.38	0.039	7
202838	Soil	0.5	17.6	6.5	74	<0.1	16.9	11.2	586	3.27	6.1	2.5	4.8	24	<0.1	0.4	<0.1	76	0.45	0.055	20
203909	Soil	0.7	25.5	10.2	53	0.1	20.5	9.4	337	2.30	6.7	20.9	4.5	53	0.1	0.5	0.2	57	0.99	0.071	18
202822	Soil	1.3	40.1	15.5	59	0.2	19.6	9.7	519	2.55	6.5	10.7	5.4	37	<0.1	0.7	0.2	56	0.65	0.035	20



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201929	Soil	47	0.88	246	0.096	1	1.79	0.014	0.40	0.1	0.02	5.1	0.2	<0.05	9	<0.5	<0.2
201925	Soil	19	0.78	181	0.108	<1	1.76	0.006	0.38	<0.1	<0.01	4.5	0.2	<0.05	9	<0.5	<0.2
201927	Soil	28	0.86	315	0.103	1	1.76	0.017	0.20	0.1	0.03	5.7	0.2	<0.05	8	<0.5	<0.2
202842	Soil	35	0.65	363	0.086	2	1.66	0.023	0.13	0.2	0.04	6.6	<0.1	<0.05	6	<0.5	<0.2
200345	Soil	27	0.46	236	0.063	2	1.37	0.017	0.09	0.2	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
201920	Soil	28	0.62	223	0.097	2	1.71	0.010	0.16	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
201922	Soil	37	1.11	273	0.141	2	2.14	0.012	0.44	<0.1	0.02	6.7	0.1	<0.05	8	<0.5	<0.2
202825	Soil	44	0.60	601	0.066	3	1.96	0.018	0.13	2.5	0.06	5.5	<0.1	<0.05	6	<0.5	<0.2
201923	Soil	26	1.08	258	0.161	2	2.16	0.010	0.42	0.1	<0.01	7.0	0.2	<0.05	7	<0.5	<0.2
201937	Soil	28	0.57	360	0.051	4	1.17	0.024	0.07	0.7	0.05	3.5	<0.1	0.06	4	<0.5	<0.2
200399	Soil	26	0.57	285	0.026	5	0.98	0.013	0.05	0.4	0.08	3.0	0.1	0.14	3	0.8	<0.2
201919	Soil	23	1.33	192	0.150	1	2.21	0.008	0.52	0.1	0.01	8.4	0.2	<0.05	9	<0.5	<0.2
200378	Soil	26	0.78	284	0.106	3	1.70	0.020	0.08	0.1	0.06	6.3	<0.1	<0.05	5	0.8	<0.2
202804	Soil	31	0.62	235	0.097	2	1.76	0.019	0.07	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
201918	Soil	27	0.99	238	0.155	3	1.81	0.016	0.36	<0.1	<0.01	6.7	0.2	<0.05	6	<0.5	<0.2
201930	Soil	26	0.57	209	0.098	2	1.50	0.016	0.13	0.1	0.01	3.6	<0.1	<0.05	6	0.6	<0.2
203927	Soil	30	0.90	270	0.079	2	2.14	0.018	0.38	<0.1	0.02	6.4	0.2	<0.05	9	<0.5	<0.2
203935	Soil	29	0.55	314	0.075	3	1.64	0.029	0.07	0.2	0.05	5.1	<0.1	<0.05	4	0.5	<0.2
202847	Soil	19	0.80	179	0.136	3	1.74	0.011	0.29	0.2	0.01	4.1	0.2	<0.05	6	<0.5	<0.2
202836	Soil	23	0.86	221	0.127	2	1.83	0.014	0.42	<0.1	<0.01	7.2	0.1	<0.05	6	<0.5	<0.2
203931	Soil	25	0.68	267	0.062	3	1.35	0.023	0.08	0.3	0.20	4.5	<0.1	<0.05	4	0.6	<0.2
203932	Soil	24	0.72	288	0.058	2	1.35	0.026	0.09	0.4	0.12	4.1	<0.1	<0.05	4	0.5	<0.2
202824	Soil	35	0.48	756	0.075	3	1.90	0.020	0.12	2.6	0.25	6.3	<0.1	<0.05	5	0.7	<0.2
202823	Soil	30	0.54	389	0.066	2	1.94	0.017	0.09	1.2	0.07	5.3	<0.1	<0.05	6	<0.5	<0.2
203930	Soil	23	1.09	254	0.050	3	1.08	0.020	0.07	0.3	0.46	4.1	<0.1	<0.05	3	<0.5	<0.2
203928	Soil	26	0.64	210	0.092	2	1.89	0.012	0.19	<0.1	0.01	3.9	0.1	<0.05	7	<0.5	<0.2
202833	Soil	12	1.55	90	0.161	2	1.93	0.009	0.27	<0.1	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
202838	Soil	26	0.97	197	0.132	2	1.88	0.019	0.53	0.1	0.02	8.8	0.2	<0.05	7	<0.5	<0.2
203909	Soil	29	0.51	333	0.085	2	1.30	0.030	0.06	0.5	0.05	4.3	<0.1	<0.05	4	0.5	<0.2
202822	Soil	29	0.54	593	0.079	2	1.85	0.025	0.11	1.9	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202832	Soil	0.7	15.7	6.8	73	<0.1	17.5	12.6	628	2.96	3.8	1.7	2.4	32	0.1	0.3	<0.1	67	0.48	0.063	5
202828	Soil	0.7	27.9	12.6	48	0.1	20.8	9.8	531	2.23	8.0	6.1	3.4	54	<0.1	0.7	0.2	49	1.12	0.056	16
200912	Soil	0.9	15.7	9.2	39	0.1	12.7	5.4	141	2.12	6.8	1.0	2.2	19	0.1	0.5	0.2	64	0.18	0.017	10
202845	Soil	0.5	15.3	10.4	105	<0.1	13.9	11.3	588	3.25	4.9	1.8	5.6	36	<0.1	0.3	<0.1	80	0.67	0.154	23
203937	Soil	1.1	47.7	15.6	58	0.1	23.7	9.1	347	2.56	7.9	6.2	6.6	40	<0.1	0.6	0.2	56	0.53	0.041	25
203934	Soil	1.1	29.6	14.7	54	<0.1	23.6	9.7	516	2.47	8.3	7.5	5.5	39	0.1	0.6	0.2	57	0.73	0.056	21
200910	Soil	1.0	18.1	11.7	42	0.1	21.4	9.2	245	2.81	8.6	2.6	4.1	25	<0.1	0.5	0.2	74	0.20	0.016	15
203936	Soil	0.9	39.4	14.6	60	<0.1	24.9	8.5	297	2.48	8.1	5.1	5.9	39	<0.1	0.7	0.2	56	0.54	0.050	19
202840	Soil	0.5	19.8	7.8	59	<0.1	18.3	13.3	639	3.39	6.8	3.1	3.7	26	<0.1	0.5	0.1	83	0.46	0.031	15
203938	Soil	0.9	43.9	14.6	76	<0.1	17.2	7.1	264	2.13	6.2	4.1	5.7	41	0.1	0.5	0.2	51	0.47	0.039	22
200907	Soil	0.9	14.5	10.2	48	<0.1	17.8	7.9	320	2.50	8.3	2.6	3.1	29	<0.1	0.6	0.2	66	0.34	0.024	11
202834	Soil	0.4	33.5	7.0	59	<0.1	23.9	12.0	577	2.62	9.3	4.8	6.8	29	0.1	0.5	0.1	53	0.81	0.054	32
202843	Soil	1.1	11.1	8.5	76	<0.1	13.0	12.4	462	2.81	6.0	1.0	3.2	27	<0.1	0.5	0.1	67	0.34	0.045	10
202837	Soil	0.5	21.2	8.2	60	<0.1	21.8	11.4	581	3.04	10.0	4.1	5.1	33	<0.1	0.6	0.1	69	0.63	0.035	18
200546	Soil	1.3	10.4	11.2	41	<0.1	9.1	4.3	152	2.52	8.6	6.0	2.7	14	0.2	0.4	0.2	78	0.13	0.043	12
202839	Soil	0.7	13.6	7.2	53	<0.1	15.9	9.6	501	2.79	5.8	1.8	3.8	21	<0.1	0.4	0.1	65	0.32	0.022	12
203933	Soil	1.5	51.0	20.3	73	0.8	30.7	9.5	571	2.57	10.2	133.6	4.1	46	0.8	0.8	0.5	53	1.04	0.062	26
203939	Soil	1.3	28.0	16.3	62	0.1	18.3	8.4	301	2.42	6.7	1.9	9.1	31	<0.1	0.7	0.2	52	0.43	0.035	23
200914	Soil	0.9	18.7	9.5	59	<0.1	24.1	7.8	288	2.11	3.9	2.7	3.8	26	<0.1	0.3	0.2	46	0.39	0.031	18
200916	Soil	1.4	23.3	9.1	36	0.4	10.6	4.0	113	1.38	1.8	3.3	1.8	18	<0.1	0.3	0.3	37	0.19	0.027	13
200752	Soil	0.8	14.0	9.8	40	<0.1	12.7	4.5	207	2.05	4.9	2.0	4.9	21	<0.1	0.3	0.3	50	0.22	0.018	16
200903	Soil	0.8	12.7	8.4	51	<0.1	13.0	7.5	434	2.05	5.1	4.4	5.0	32	0.1	0.4	0.2	48	0.48	0.056	22
201967	Soil	0.7	21.9	11.5	75	<0.1	15.5	9.1	416	2.45	5.4	3.2	8.0	36	0.2	0.4	0.3	54	1.21	0.059	24
200915	Soil	0.8	11.3	8.7	42	<0.1	14.7	5.1	161	1.81	5.2	2.2	2.7	18	0.1	0.4	0.2	47	0.20	0.024	12
200902	Soil	0.6	13.4	7.7	52	<0.1	13.6	7.6	373	2.11	5.6	2.3	5.3	32	0.2	0.4	0.2	50	0.51	0.052	16
200911	Soil	1.1	10.6	10.0	38	<0.1	15.6	6.5	171	2.49	8.7	0.6	2.1	16	<0.1	0.5	0.2	68	0.15	0.028	9
201987	Soil	0.7	19.6	7.6	61	<0.1	19.4	9.3	506	2.36	8.7	<0.5	3.3	43	0.2	0.5	0.2	50	0.81	0.064	14
200908	Soil	0.9	19.7	11.7	48	0.1	16.3	8.7	433	2.34	6.6	0.9	2.9	23	<0.1	0.6	0.2	58	0.22	0.021	12
200551	Soil	1.5	16.6	9.4	47	<0.1	15.9	7.9	306	2.34	5.9	2.1	4.1	23	<0.1	0.5	0.2	61	0.27	0.015	15
200550	Soil	1.0	14.5	9.8	58	<0.1	17.5	7.2	423	2.30	7.3	5.8	2.5	25	0.2	0.5	0.2	62	0.27	0.033	10



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202832	Soil	55	1.45	224	0.183	<1	2.22	0.015	0.62	<0.1	<0.01	4.8	0.2	<0.05	8	<0.5	<0.2
202828	Soil	28	0.47	512	0.065	2	1.37	0.025	0.07	0.4	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
200912	Soil	25	0.37	152	0.094	<1	1.79	0.011	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
202845	Soil	27	0.98	229	0.134	2	1.84	0.015	0.62	<0.1	0.01	4.7	0.2	<0.05	9	<0.5	<0.2
203937	Soil	36	0.52	311	0.095	<1	1.79	0.022	0.08	0.2	0.04	6.0	<0.1	<0.05	5	0.5	<0.2
203934	Soil	33	0.54	314	0.080	2	1.59	0.024	0.07	0.3	0.04	5.3	<0.1	<0.05	5	0.8	<0.2
200910	Soil	43	0.50	324	0.092	<1	2.50	0.013	0.04	0.1	0.03	5.7	0.1	<0.05	6	<0.5	<0.2
203936	Soil	35	0.55	276	0.094	1	1.59	0.029	0.09	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
202840	Soil	26	0.90	254	0.141	2	1.99	0.016	0.52	0.1	0.02	8.7	0.1	<0.05	7	<0.5	<0.2
203938	Soil	28	0.55	246	0.093	<1	1.43	0.018	0.08	0.2	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
200907	Soil	32	0.46	267	0.083	<1	1.93	0.013	0.08	0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
202834	Soil	21	0.95	197	0.115	1	1.62	0.017	0.11	0.1	0.05	8.6	0.1	<0.05	5	0.5	<0.2
202843	Soil	25	0.68	209	0.112	<1	1.80	0.013	0.33	0.1	<0.01	3.1	0.2	<0.05	7	<0.5	<0.2
202837	Soil	31	0.73	257	0.124	<1	1.73	0.022	0.35	0.1	0.02	6.8	0.1	<0.05	6	<0.5	<0.2
200546	Soil	27	0.28	131	0.083	<1	1.74	0.007	0.05	0.1	0.02	3.2	0.1	<0.05	8	<0.5	<0.2
202839	Soil	28	0.65	255	0.117	1	1.81	0.013	0.25	<0.1	<0.01	5.1	0.1	<0.05	6	<0.5	<0.2
203933	Soil	29	0.58	384	0.059	1	1.62	0.026	0.08	1.7	0.06	5.5	<0.1	<0.05	4	0.8	1.0
203939	Soil	32	0.50	244	0.076	<1	1.68	0.016	0.09	0.2	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
200914	Soil	63	0.60	172	0.105	3	1.50	0.013	0.10	0.2	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
200916	Soil	24	0.22	188	0.069	2	1.24	0.018	0.07	0.3	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
200752	Soil	22	0.35	180	0.089	3	1.48	0.013	0.06	0.2	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
200903	Soil	24	0.43	248	0.076	3	1.38	0.017	0.08	0.2	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
201967	Soil	26	0.67	218	0.087	5	1.52	0.022	0.16	0.1	0.04	4.6	0.2	<0.05	5	<0.5	<0.2
200915	Soil	29	0.34	118	0.089	2	1.36	0.012	0.05	0.3	0.02	2.9	0.1	<0.05	4	<0.5	<0.2
200902	Soil	25	0.43	237	0.076	2	1.44	0.020	0.07	0.2	0.05	3.9	<0.1	<0.05	5	0.7	<0.2
200911	Soil	32	0.35	245	0.068	2	1.77	0.007	0.04	0.1	0.01	2.4	0.1	<0.05	6	<0.5	<0.2
201987	Soil	25	0.59	247	0.082	2	1.35	0.029	0.09	0.2	0.04	4.4	<0.1	<0.05	4	<0.5	<0.2
200908	Soil	29	0.39	248	0.083	2	1.82	0.015	0.06	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
200551	Soil	33	0.51	250	0.090	<1	1.77	0.013	0.05	0.8	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
200550	Soil	30	0.42	319	0.073	2	1.84	0.012	0.08	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2



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PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202986	Soil	1.1	17.4	10.5	50	<0.1	18.2	8.2	242	2.74	8.4	3.8	7.8	24	<0.1	0.6	0.1	60	0.26	0.024	28
200547	Soil	0.8	17.4	10.5	48	<0.1	18.5	9.1	290	2.70	7.7	2.1	6.2	19	<0.1	0.7	0.1	63	0.17	0.013	12
200548	Soil	1.0	14.1	10.6	48	0.2	18.8	7.9	227	2.50	6.8	1.7	3.0	23	0.1	0.4	0.2	62	0.21	0.044	10
200549	Soil	0.8	16.7	8.8	49	<0.1	15.3	5.0	241	1.81	4.7	1.9	2.6	22	<0.1	0.4	0.1	45	0.26	0.030	14
202980	Soil	0.8	8.2	8.6	61	0.1	13.2	6.2	241	2.16	5.4	3.9	5.3	23	<0.1	0.4	0.2	48	0.32	0.042	16
204422	Soil	1.1	13.5	9.8	58	<0.1	17.2	7.6	270	2.91	9.7	1.0	6.1	17	<0.1	0.6	0.2	68	0.17	0.025	12
203946	Soil	0.3	20.9	9.3	48	<0.1	17.9	7.6	398	2.01	6.9	4.5	2.9	41	0.2	0.6	0.1	45	1.50	0.052	14
203947	Soil	0.4	21.8	8.9	45	<0.1	18.4	7.8	372	1.98	7.3	3.5	3.1	40	0.2	0.5	0.1	47	1.43	0.056	14
203944	Soil	0.6	21.8	11.5	62	0.1	17.6	8.6	511	2.28	6.4	1.4	2.7	40	0.3	0.5	0.1	51	1.44	0.055	14
203942	Soil	1.9	31.7	17.6	70	0.2	12.2	7.7	506	2.19	5.3	4.2	5.0	33	0.2	0.3	1.1	43	1.08	0.048	18
202987	Soil	1.1	15.9	10.7	45	0.2	11.7	6.0	259	1.89	4.4	<0.5	4.3	30	0.1	0.4	0.2	42	0.47	0.037	41
202073	Soil	0.7	18.4	10.7	53	<0.1	13.7	7.0	195	2.17	5.1	1.9	3.8	25	<0.1	0.6	0.2	54	0.27	0.027	12
201993	Soil	0.6	13.1	6.0	40	<0.1	14.1	8.3	568	1.80	7.7	1.8	2.0	47	<0.1	0.4	0.1	43	1.29	0.048	12
202074	Soil	1.0	27.6	15.3	56	0.2	15.7	7.1	276	2.18	6.9	1.3	2.4	29	0.2	0.8	0.2	51	0.30	0.041	23
201985	Soil	1.1	22.9	8.6	53	0.1	17.1	7.2	343	2.02	9.7	1.1	3.5	39	0.4	0.5	0.1	40	0.76	0.049	14
203941	Soil	0.8	39.3	16.9	64	0.2	12.3	6.6	351	1.90	4.5	0.7	4.3	29	0.2	0.4	0.4	40	0.80	0.033	18
201983	Soil	0.6	18.3	6.8	47	<0.1	17.0	7.8	342	2.00	6.4	1.9	3.6	37	0.1	0.5	0.1	48	0.65	0.054	12
204427	Soil	1.3	15.6	12.3	52	0.1	15.8	5.8	228	2.47	6.6	6.6	7.1	29	0.1	0.4	0.2	55	0.45	0.029	41
201979	Soil	0.6	11.8	5.8	47	<0.1	11.8	5.9	339	1.53	6.4	0.5	1.7	35	0.2	0.5	<0.1	34	1.34	0.047	10
204421	Soil	1.0	10.6	12.8	63	<0.1	11.8	6.2	252	2.15	4.5	4.0	5.2	23	<0.1	0.5	0.1	48	0.37	0.041	16



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202986	Soil	32	0.54	235	0.082	2	2.17	0.012	0.07	0.2	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
200547	Soil	37	0.50	208	0.078	1	2.12	0.010	0.05	0.1	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
200548	Soil	32	0.31	242	0.073	2	2.47	0.009	0.06	<0.1	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
200549	Soil	24	0.36	172	0.071	2	1.28	0.013	0.04	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
202980	Soil	27	0.43	169	0.084	2	1.67	0.014	0.07	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
204422	Soil	35	0.52	186	0.088	<1	2.32	0.009	0.07	0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
203946	Soil	23	0.48	295	0.071	2	1.43	0.024	0.05	0.2	0.05	3.9	<0.1	<0.05	4	0.8	<0.2
203947	Soil	22	0.51	264	0.073	2	1.33	0.025	0.05	0.2	0.04	3.8	<0.1	<0.05	4	0.9	<0.2
203944	Soil	23	0.51	282	0.080	2	1.42	0.023	0.10	0.1	0.05	4.5	0.1	<0.05	4	0.8	<0.2
203942	Soil	19	0.58	242	0.066	1	1.40	0.016	0.13	0.1	0.04	3.8	0.1	<0.05	5	0.7	<0.2
202987	Soil	20	0.32	231	0.048	2	1.50	0.010	0.07	0.2	0.04	3.2	0.2	<0.05	6	<0.5	<0.2
202073	Soil	24	0.45	214	0.082	<1	1.63	0.011	0.07	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
201993	Soil	19	0.37	279	0.055	2	1.18	0.022	0.05	0.1	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
202074	Soil	26	0.32	368	0.062	3	1.94	0.011	0.07	0.1	0.05	4.7	0.1	<0.05	6	<0.5	<0.2
201985	Soil	22	0.54	214	0.071	1	1.32	0.018	0.13	0.1	0.03	4.2	<0.1	<0.05	4	0.9	<0.2
203941	Soil	21	0.51	234	0.060	1	1.31	0.015	0.07	<0.1	0.04	3.4	0.1	<0.05	5	0.9	<0.2
201983	Soil	24	0.44	216	0.080	1	1.11	0.027	0.07	0.2	0.02	3.7	<0.1	<0.05	3	<0.5	<0.2
204427	Soil	29	0.43	315	0.075	<1	2.20	0.015	0.07	0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
201979	Soil	17	0.34	209	0.054	2	0.98	0.021	0.05	0.2	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
204421	Soil	22	0.43	210	0.077	<1	1.42	0.013	0.08	0.4	0.03	3.8	0.1	<0.05	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
203824	Soil	1.4	26.1	11.1	48	0.1	18.7	8.1	321	2.09	5.8	9.8	2.9	49	0.2	0.5	0.2	52	1.15	0.055	13
REP 203824	QC	1.4	25.4	11.5	48	0.1	19.6	7.8	321	2.15	6.0	9.8	3.0	49	0.1	0.6	0.1	53	1.15	0.055	13
200950	Soil	0.5	16.6	6.0	76	<0.1	11.5	11.2	482	2.97	3.4	<0.5	2.8	17	<0.1	0.2	<0.1	67	0.32	0.077	6
REP 200950	QC	0.5	17.5	6.0	74	<0.1	11.2	11.4	487	3.04	3.6	<0.5	2.7	18	<0.1	0.2	<0.1	69	0.33	0.075	6
200961	Soil	0.3	42.5	13.6	56	0.2	23.3	7.1	306	1.93	6.3	6.6	2.1	52	0.5	0.6	0.3	42	1.89	0.062	17
REP 200961	QC	0.4	45.0	14.1	59	0.2	24.2	7.5	313	2.03	6.8	8.4	2.2	56	0.5	0.5	0.3	41	1.88	0.059	17
204008	Soil	0.9	14.8	8.4	41	<0.1	15.7	6.6	166	2.26	6.4	4.9	3.4	18	<0.1	0.7	0.1	62	0.26	0.016	11
REP 204008	QC	0.8	15.1	8.2	42	<0.1	16.0	7.3	170	2.23	6.6	3.0	3.4	17	<0.1	0.8	0.1	60	0.26	0.016	11
202036	Soil	1.7	10.8	8.2	42	<0.1	11.4	5.0	122	2.50	8.3	2.9	2.3	12	0.2	0.3	0.1	74	0.12	0.027	13
REP 202036	QC	1.6	10.7	8.3	42	<0.1	11.5	4.7	126	2.50	8.6	2.1	2.3	12	0.1	0.4	0.1	75	0.14	0.025	14
203801	Soil	1.4	13.7	8.5	65	<0.1	16.6	7.6	369	2.81	6.3	2.7	3.7	17	<0.1	0.4	0.1	69	0.27	0.027	11
REP 203801	QC	1.4	13.4	8.4	60	<0.1	15.6	7.3	357	2.63	6.0	1.9	3.5	16	<0.1	0.3	0.1	65	0.26	0.025	11
201929	Soil	0.6	14.4	16.2	113	<0.1	15.7	11.7	436	3.36	5.9	2.2	4.6	27	0.1	0.3	0.1	88	0.56	0.109	12
REP 201929	QC	0.6	14.9	16.6	118	<0.1	16.2	11.9	450	3.53	6.2	<0.5	4.7	27	<0.1	0.2	0.1	93	0.59	0.118	13
200910	Soil	1.0	18.1	11.7	42	0.1	21.4	9.2	245	2.81	8.6	2.6	4.1	25	<0.1	0.5	0.2	74	0.20	0.016	15
REP 200910	QC	1.0	19.1	11.9	45	0.1	21.1	8.9	242	2.77	8.3	2.0	4.2	25	0.1	0.6	0.2	73	0.21	0.014	15
203942	Soil	1.9	31.7	17.6	70	0.2	12.2	7.7	506	2.19	5.3	4.2	5.0	33	0.2	0.3	1.1	43	1.08	0.048	18
REP 203942	QC	2.1	31.1	18.1	72	0.2	13.0	7.7	506	2.20	5.1	2.5	4.9	33	0.2	0.3	1.1	42	1.12	0.046	18
Reference Materials																					
STD DS11	Standard	15.3	156.8	141.8	340	1.6	85.2	14.5	1070	3.26	41.8	62.4	8.0	59	2.2	7.3	9.4	57	1.03	0.065	19
STD DS11	Standard	15.2	160.3	140.9	351	1.6	84.2	14.4	1049	3.20	41.8	77.2	7.9	57	2.2	7.1	9.5	56	1.05	0.066	19
STD DS11	Standard	14.4	158.9	138.9	343	1.6	81.9	14.1	1055	3.26	43.5	96.0	7.8	60	2.2	7.4	9.4	57	1.06	0.069	18
STD DS11	Standard	14.7	139.7	131.9	330	1.7	72.8	12.8	997	3.07	41.2	65.1	7.9	75	2.3	8.8	10.9	49	1.06	0.069	20
STD DS11	Standard	14.5	150.1	139.6	343	1.6	82.2	14.0	1042	3.12	41.3	65.7	7.6	55	2.2	7.2	9.4	56	1.04	0.067	18
STD DS11	Standard	13.6	136.8	127.6	311	1.6	70.4	11.7	928	2.87	38.2	76.7	7.9	67	2.3	8.8	10.1	47	0.99	0.065	20
STD DS11	Standard	14.4	152.2	138.9	339	1.6	76.6	13.8	1016	3.17	41.9	72.8	8.2	61	2.2	7.6	8.9	54	1.07	0.067	20
STD DS11	Standard	13.8	148.5	131.9	334	1.6	77.1	13.7	1020	3.09	39.8	67.8	7.9	56	2.2	7.0	8.8	53	1.05	0.065	18
STD DS11	Standard	13.7	151.0	140.2	331	1.8	80.2	14.0	1034	3.14	41.9	73.1	7.2	67	2.3	9.1	12.1	50	1.05	0.075	18



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
203824	Soil	27	0.44	699	0.051	3	1.51	0.025	0.07	1.7	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
REP 203824	QC	29	0.42	683	0.052	2	1.46	0.023	0.07	1.5	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2
200950	Soil	20	0.92	230	0.117	1	1.80	0.008	0.48	0.1	0.02	6.2	0.2	<0.05	7	<0.5	<0.2
REP 200950	QC	21	0.91	238	0.121	1	1.74	0.008	0.47	0.2	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
200961	Soil	24	0.46	356	0.046	4	1.26	0.020	0.06	0.8	0.07	3.3	<0.1	0.07	3	0.7	<0.2
REP 200961	QC	23	0.44	360	0.045	3	1.21	0.019	0.06	0.9	0.07	3.2	<0.1	0.06	4	0.8	<0.2
204008	Soil	28	0.39	275	0.059	2	1.58	0.011	0.06	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
REP 204008	QC	28	0.39	277	0.057	1	1.61	0.010	0.06	0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
202036	Soil	26	0.30	104	0.063	2	1.37	0.007	0.05	0.2	<0.01	2.8	0.1	<0.05	6	<0.5	<0.2
REP 202036	QC	26	0.31	106	0.067	<1	1.46	0.007	0.05	0.1	0.03	2.5	0.1	<0.05	7	<0.5	<0.2
203801	Soil	37	0.58	159	0.084	2	1.71	0.008	0.12	0.2	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
REP 203801	QC	36	0.56	156	0.080	2	1.70	0.008	0.12	0.3	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
201929	Soil	47	0.88	246	0.096	1	1.79	0.014	0.40	0.1	0.02	5.1	0.2	<0.05	9	<0.5	<0.2
REP 201929	QC	50	0.90	250	0.102	2	1.84	0.014	0.44	0.1	0.01	5.5	0.2	<0.05	10	<0.5	<0.2
200910	Soil	43	0.50	324	0.092	<1	2.50	0.013	0.04	0.1	0.03	5.7	0.1	<0.05	6	<0.5	<0.2
REP 200910	QC	44	0.49	331	0.088	<1	2.45	0.011	0.04	<0.1	0.03	5.8	0.1	<0.05	6	<0.5	<0.2
203942	Soil	19	0.58	242	0.066	1	1.40	0.016	0.13	0.1	0.04	3.8	0.1	<0.05	5	0.7	<0.2
REP 203942	QC	19	0.58	245	0.066	2	1.41	0.016	0.13	0.1	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	64	0.84	355	0.086	9	1.18	0.071	0.39	2.8	0.28	3.5	4.9	0.27	5	2.5	4.6
STD DS11	Standard	65	0.84	351	0.081	8	1.14	0.073	0.39	2.7	0.27	3.4	4.9	0.29	5	2.6	4.6
STD DS11	Standard	63	0.84	372	0.081	7	1.21	0.084	0.41	3.1	0.24	3.6	5.1	0.27	5	2.4	4.8
STD DS11	Standard	58	0.83	377	0.101	7	1.20	0.082	0.41	2.9	0.27	3.7	4.7	0.26	5	1.5	4.6
STD DS11	Standard	62	0.82	351	0.080	7	1.13	0.070	0.39	3.0	0.24	3.3	4.9	0.28	5	2.1	4.7
STD DS11	Standard	56	0.79	350	0.097	8	1.12	0.071	0.38	2.9	0.22	3.2	4.5	0.27	5	2.3	4.4
STD DS11	Standard	60	0.81	399	0.085	8	1.23	0.081	0.41	2.9	0.26	3.5	5.0	0.25	5	2.0	4.4
STD DS11	Standard	61	0.82	371	0.080	8	1.17	0.075	0.39	2.6	0.22	3.6	4.7	0.27	5	2.1	4.4
STD DS11	Standard	61	0.83	374	0.094	7	1.09	0.073	0.39	2.8	0.27	2.9	5.0	0.32	5	2.1	4.9



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

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QUALITY CONTROL REPORT

WHI17000424.1

		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
STD OXC129	Standard	1.2	29.0	6.0	40	<0.1	82.8	20.7	434	3.15	1.0	196.6	1.7	197	<0.1	<0.1	<0.1	60	0.79	0.099	12
STD OXC129	Standard	1.3	28.9	6.1	42	<0.1	87.4	21.9	428	3.19	0.5	194.4	1.8	196	<0.1	<0.1	<0.1	61	0.76	0.099	12
STD OXC129	Standard	1.3	27.5	6.0	42	<0.1	80.2	20.5	413	3.02	0.7	210.0	1.7	193	<0.1	<0.1	<0.1	57	0.73	0.099	11
STD OXC129	Standard	1.2	25.8	6.1	39	<0.1	79.3	20.4	418	3.02	0.6	201.0	1.8	211	<0.1	<0.1	<0.1	54	0.81	0.102	13
STD OXC129	Standard	1.2	29.3	6.1	42	<0.1	86.7	21.9	438	3.24	0.7	203.6	1.8	198	<0.1	<0.1	<0.1	61	0.78	0.099	12
STD OXC129	Standard	1.1	24.4	5.7	36	<0.1	70.1	17.9	392	2.81	0.5	194.6	1.7	190	<0.1	<0.1	<0.1	46	0.78	0.094	11
STD OXC129	Standard	1.2	27.6	6.2	42	<0.1	80.7	21.0	409	3.00	1.1	206.2	1.8	198	<0.1	<0.1	<0.1	57	0.86	0.098	11
STD OXC129	Standard	1.3	29.5	6.2	44	<0.1	85.5	21.9	442	3.12	0.7	204.0	1.8	183	<0.1	<0.1	<0.1	63	0.82	0.106	12
STD OXC129	Standard	1.3	27.2	6.2	41	<0.1	78.3	20.1	400	2.94	0.9	193.8	1.7	179	<0.1	<0.1	<0.1	51	0.62	0.095	12
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.8	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	5	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

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QUALITY CONTROL REPORT

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		AQ201 Cr ppm	AQ201 Mg %	AQ201 Ba ppm	AQ201 Ti %	AQ201 B ppm	AQ201 Al %	AQ201 Na %	AQ201 K %	AQ201 W ppm	AQ201 Hg ppm	AQ201 Sc ppm	AQ201 Ti ppm	AQ201 S %	AQ201 Ga ppm	AQ201 Se ppm	AQ201 Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	57	1.60	51	0.415	<1	1.60	0.577	0.35	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	58	1.62	50	0.418	2	1.61	0.595	0.34	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	54	1.56	54	0.383	2	1.58	0.596	0.38	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	53	1.54	50	0.426	<1	1.66	0.592	0.35	<0.1	<0.01	0.9	<0.1	<0.05	5	0.5	<0.2
STD OXC129	Standard	57	1.61	52	0.411	1	1.70	0.610	0.35	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	48	1.47	48	0.374	2	1.59	0.540	0.32	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	56	1.59	48	0.349	2	1.70	0.611	0.36	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	59	1.64	52	0.371	1	1.70	0.604	0.36	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	51	1.48	49	0.394	1	1.38	0.557	0.35	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 01, 2017
Report Date: August 28, 2017
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CERTIFICATE OF ANALYSIS

WHI17000425.1

CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

WHI17000425.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200390	Soil	0.9	7.9	7.1	47	<0.1	11.8	6.7	225	2.09	6.1	1.2	2.3	19	<0.1	0.3	0.1	56	0.27	0.019	7
200388	Soil	0.5	34.3	8.2	73	<0.1	19.4	12.8	383	3.38	5.1	5.6	2.0	37	<0.1	0.3	<0.1	103	0.63	0.059	6
200347	Soil	0.8	14.5	10.6	56	0.1	15.2	8.7	433	2.33	6.9	22.8	3.8	28	0.1	0.3	0.1	59	0.54	0.057	15
200392	Soil	0.7	8.4	6.0	58	<0.1	12.3	9.4	282	2.69	6.2	1.5	2.2	20	<0.1	0.3	<0.1	72	0.35	0.030	7
200387	Soil	0.5	17.1	5.7	61	<0.1	25.8	17.6	887	3.34	5.9	<0.5	2.9	24	<0.1	0.3	<0.1	79	0.54	0.035	10
200746	Soil	1.6	18.1	10.1	63	0.1	15.3	7.8	440	2.61	5.9	17.3	5.1	45	0.1	0.3	0.2	57	0.68	0.052	27
200395	Soil	0.8	12.6	5.9	65	<0.1	12.1	10.1	364	2.71	5.3	<0.5	2.8	13	<0.1	0.3	0.1	56	0.24	0.029	6
200360	Soil	0.8	15.9	10.0	53	<0.1	17.8	8.9	240	2.57	7.3	1.7	4.0	20	<0.1	0.5	0.1	67	0.30	0.024	12
200397	Soil	1.0	18.4	10.0	62	0.1	19.2	11.3	768	3.06	5.9	0.6	4.2	19	<0.1	0.4	0.1	70	0.32	0.016	16
200396	Soil	0.7	21.1	9.3	75	<0.1	12.5	8.7	979	2.93	3.3	2.3	3.4	19	<0.1	0.3	0.1	53	0.42	0.026	8
200386	Soil	3.7	25.6	5.2	67	<0.1	13.4	12.1	529	2.62	7.5	1.5	2.6	37	<0.1	0.3	<0.1	64	0.45	0.059	7
200326	Soil	2.7	22.6	36.2	84	0.2	16.6	10.0	449	3.00	13.7	2.0	7.3	33	0.3	0.4	0.3	66	0.73	0.045	39
200346	Soil	0.8	20.0	7.8	63	<0.1	20.8	10.4	507	2.41	7.5	4.0	3.6	35	0.2	0.5	0.1	58	0.74	0.059	19
200382	Soil	0.4	11.3	4.5	60	<0.1	9.4	9.2	425	2.71	3.6	3.1	2.4	40	<0.1	0.2	0.2	70	0.53	0.063	8
200341	Soil	1.3	15.8	12.5	82	<0.1	13.1	9.6	511	3.38	6.6	1.9	5.6	18	<0.1	0.5	0.2	66	0.27	0.029	10
200333	Soil	0.9	28.4	11.8	64	<0.1	28.7	12.6	350	3.19	10.8	1.5	5.6	26	<0.1	0.4	0.1	71	0.36	0.018	21
200793	Soil	0.6	11.7	6.5	69	<0.1	13.1	10.0	624	3.02	5.0	0.7	3.0	14	<0.1	0.2	0.1	65	0.29	0.034	10
202805	Soil	0.4	15.2	6.5	40	<0.1	14.9	6.7	216	2.04	5.4	1.5	3.3	22	<0.1	0.3	<0.1	51	0.37	0.039	12
200794	Soil	1.1	11.6	7.9	67	<0.1	16.3	9.5	350	2.65	8.2	1.4	2.7	19	<0.1	0.4	0.1	66	0.36	0.022	7
200389	Soil	0.2	33.7	11.2	51	<0.1	18.2	7.8	309	2.11	4.3	2.3	2.4	49	0.2	0.2	<0.1	56	3.77	0.063	9
202808	Soil	0.6	18.1	8.1	43	<0.1	17.1	9.5	245	2.32	5.8	4.0	2.9	26	<0.1	0.3	<0.1	62	0.48	0.039	11
202814	Soil	0.5	17.4	5.1	95	<0.1	19.9	10.8	635	3.04	4.7	<0.5	3.7	12	<0.1	0.3	<0.1	62	0.28	0.044	9
202803	Soil	0.7	16.8	5.5	62	<0.1	14.7	11.1	371	3.13	5.0	1.0	2.7	37	<0.1	0.3	<0.1	70	0.34	0.048	9
202807	Soil	0.5	15.4	7.2	43	<0.1	14.9	8.3	211	2.38	6.0	1.9	2.9	21	<0.1	0.4	<0.1	63	0.31	0.030	10
200797	Soil	0.3	20.5	6.4	65	<0.1	15.4	10.3	418	2.42	7.0	1.6	3.1	31	<0.1	0.3	<0.1	58	0.73	0.051	12
200799	Soil	0.5	12.0	5.3	54	<0.1	9.7	11.9	692	2.51	5.6	<0.5	2.8	20	<0.1	0.3	<0.1	57	0.41	0.047	5
202809	Soil	0.4	19.2	7.1	71	<0.1	18.3	11.4	813	2.31	6.1	0.8	3.2	28	0.1	0.3	<0.1	58	0.58	0.053	11
202811	Soil	0.4	20.7	9.2	51	<0.1	20.3	9.8	389	2.42	7.8	1.2	3.7	27	<0.1	0.3	<0.1	61	0.64	0.041	13
202800	Soil	0.6	23.2	6.8	65	<0.1	20.8	14.1	495	3.05	6.5	0.9	2.0	37	<0.1	0.3	<0.1	85	0.55	0.067	7
200800	Soil	0.8	17.8	8.2	48	<0.1	18.7	8.8	202	2.58	8.3	3.6	2.8	23	<0.1	0.3	0.1	67	0.31	0.032	9



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200390	Soil	21	0.43	160	0.071	2	1.25	0.009	0.11	0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
200388	Soil	35	1.59	274	0.171	1	2.46	0.011	0.47	0.2	0.01	4.7	0.2	<0.05	8	<0.5	<0.2
200347	Soil	27	0.46	252	0.061	1	1.39	0.014	0.06	0.2	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
200392	Soil	26	0.98	151	0.142	<1	1.65	0.009	0.24	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
200387	Soil	36	1.65	324	0.143	2	2.12	0.016	0.34	<0.1	0.02	10.2	0.1	<0.05	7	<0.5	<0.2
200746	Soil	30	0.50	371	0.063	2	1.72	0.012	0.13	0.3	0.03	4.8	0.1	<0.05	5	<0.5	<0.2
200395	Soil	23	0.71	153	0.102	1	1.59	0.009	0.39	0.1	<0.01	4.1	0.2	<0.05	6	<0.5	<0.2
200360	Soil	37	0.46	235	0.076	2	2.00	0.012	0.05	0.2	0.04	4.1	<0.1	<0.05	6	<0.5	<0.2
200397	Soil	31	0.64	520	0.083	<1	2.04	0.013	0.13	0.2	<0.01	7.6	0.1	<0.05	6	<0.5	<0.2
200396	Soil	20	0.72	553	0.109	2	1.80	0.011	0.38	0.1	0.02	7.9	0.2	<0.05	7	<0.5	<0.2
200386	Soil	23	1.10	191	0.108	<1	1.80	0.010	0.16	<0.1	0.03	4.5	<0.1	<0.05	6	<0.5	<0.2
200326	Soil	32	0.54	337	0.083	2	2.00	0.013	0.10	0.3	0.05	5.6	0.2	<0.05	6	0.5	<0.2
200346	Soil	29	0.53	267	0.064	2	1.35	0.027	0.08	0.2	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
200382	Soil	21	1.01	196	0.144	<1	1.82	0.008	0.29	<0.1	0.01	4.2	0.2	<0.05	7	<0.5	<0.2
200341	Soil	31	0.66	177	0.074	2	1.76	0.008	0.19	0.4	0.02	5.3	0.1	<0.05	7	0.6	<0.2
200333	Soil	67	0.85	257	0.134	1	2.30	0.012	0.19	0.1	0.02	5.9	0.2	<0.05	7	<0.5	<0.2
200793	Soil	25	0.87	174	0.114	<1	1.72	0.009	0.28	<0.1	0.01	5.8	0.2	<0.05	7	<0.5	<0.2
202805	Soil	24	0.48	209	0.066	1	1.38	0.011	0.05	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
200794	Soil	30	0.67	246	0.083	<1	1.80	0.011	0.09	0.1	<0.01	4.0	0.1	<0.05	6	<0.5	<0.2
200389	Soil	27	1.72	171	0.098	1	1.55	0.015	0.17	0.1	0.03	4.1	0.2	<0.05	5	<0.5	<0.2
202808	Soil	28	0.57	270	0.082	<1	1.50	0.012	0.05	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
202814	Soil	45	1.32	261	0.134	1	1.78	0.010	0.52	0.1	<0.01	8.8	0.2	<0.05	7	<0.5	<0.2
202803	Soil	28	0.95	209	0.136	1	2.13	0.009	0.29	<0.1	0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
202807	Soil	29	0.58	195	0.092	<1	1.49	0.011	0.07	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
200797	Soil	24	0.91	170	0.091	1	1.55	0.014	0.14	0.1	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
200799	Soil	16	1.30	143	0.102	<1	2.03	0.007	0.20	<0.1	<0.01	5.6	0.1	<0.05	7	<0.5	<0.2
202809	Soil	25	0.89	255	0.096	<1	1.65	0.017	0.07	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
202811	Soil	28	0.77	257	0.075	1	1.53	0.017	0.06	0.1	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
202800	Soil	32	1.08	205	0.145	1	2.02	0.012	0.19	0.2	0.01	3.8	0.1	<0.05	7	<0.5	<0.2
200800	Soil	30	0.61	197	0.086	<1	1.74	0.010	0.10	0.2	0.01	3.1	0.1	<0.05	6	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202813	Soil	0.5	10.5	6.2	95	0.1	12.3	10.8	743	2.71	4.2	1.0	2.3	11	<0.1	0.2	0.1	48	0.22	0.053	6
202806	Soil	0.5	20.0	6.4	52	<0.1	17.2	10.6	371	2.58	5.1	1.0	2.9	28	<0.1	0.3	<0.1	72	0.49	0.045	10
200541	Soil	0.9	14.7	7.2	50	<0.1	12.2	8.4	331	2.21	5.1	7.3	4.9	19	0.1	0.3	0.1	50	0.30	0.040	13
200901	Soil	1.0	14.5	7.6	56	<0.1	15.4	8.9	428	2.17	6.1	5.9	3.2	29	0.1	0.4	0.2	53	0.55	0.060	14
200560	Soil	0.5	15.3	7.0	63	<0.1	13.8	8.1	316	2.29	4.7	13.8	6.5	21	<0.1	0.3	0.2	51	0.41	0.057	16
202812	Soil	1.0	10.1	5.5	65	<0.1	10.8	8.8	415	2.62	4.6	<0.5	2.1	12	<0.1	0.3	0.2	57	0.23	0.025	5
200909	Soil	0.9	14.5	13.1	38	<0.1	18.4	7.2	184	2.38	7.3	2.4	2.2	20	<0.1	0.5	0.2	64	0.24	0.016	8
200919	Soil	0.8	16.0	8.1	51	<0.1	13.3	6.8	287	2.13	7.5	1.6	4.7	21	<0.1	0.3	0.2	54	0.40	0.044	18
200544	Soil	1.7	37.4	6.4	98	<0.1	15.3	11.4	761	3.28	2.7	3.3	4.7	17	<0.1	0.1	0.7	64	0.47	0.055	17
202810	Soil	0.4	26.3	8.7	52	<0.1	21.2	10.1	473	2.31	6.6	1.6	2.4	31	<0.1	0.4	0.1	58	0.72	0.047	11
200545	Soil	1.8	23.0	11.2	70	0.1	42.1	12.4	355	3.08	6.7	9.2	4.6	23	<0.1	0.3	0.2	75	0.46	0.051	26
200552	Soil	1.1	11.0	9.3	46	<0.1	14.2	6.4	292	2.24	7.5	3.0	1.8	17	<0.1	0.4	0.2	66	0.23	0.026	9
200543	Soil	1.2	13.2	10.4	58	<0.1	14.4	9.2	295	2.66	6.6	1.9	3.7	18	<0.1	0.3	0.2	58	0.29	0.034	11
200900	Soil	0.7	15.7	7.7	54	<0.1	15.9	8.7	414	2.25	6.2	2.6	3.9	29	0.2	0.4	0.2	57	0.57	0.061	16
200784	Soil	1.5	19.2	9.3	70	0.1	17.8	10.3	434	2.96	7.9	0.5	4.4	25	0.1	0.3	0.2	70	0.44	0.055	19
200553	Soil	1.0	14.0	9.1	55	<0.1	17.3	7.6	271	2.58	7.0	1.1	3.1	21	<0.1	0.5	0.2	65	0.31	0.029	11
200558	Soil	0.7	15.8	8.4	54	<0.1	15.7	9.2	337	2.45	6.7	6.5	6.0	24	0.1	0.4	0.2	60	0.42	0.054	19
200917	Soil	0.9	13.8	8.6	63	<0.1	15.2	9.7	361	2.56	5.3	31.1	3.6	16	<0.1	0.2	0.2	57	0.27	0.035	12
202952	Soil	0.8	10.7	7.8	44	<0.1	15.2	7.5	294	2.32	6.6	1.5	2.7	16	<0.1	0.4	0.2	59	0.21	0.037	8
201100	Soil	1.0	15.1	11.0	58	<0.1	14.4	7.4	272	2.67	6.1	1.1	7.8	16	<0.1	0.3	0.2	59	0.25	0.038	18
203949	Soil	1.1	22.0	9.8	53	<0.1	19.3	9.1	321	2.13	10.4	3.3	2.1	28	0.2	0.5	0.2	52	1.58	0.064	12
200905	Soil	0.6	13.8	8.3	72	<0.1	15.8	9.8	620	2.61	4.8	0.6	4.4	25	0.1	0.3	0.2	60	0.46	0.047	15
204424	Soil	0.8	11.1	7.3	51	<0.1	14.2	7.4	312	2.24	5.4	9.1	6.1	20	<0.1	0.3	0.1	57	0.35	0.055	17
202985	Soil	1.3	13.1	11.9	88	<0.1	15.1	11.5	629	3.68	7.7	<0.5	6.0	17	<0.1	0.4	0.1	74	0.19	0.056	8
203945	Soil	0.9	28.0	13.1	68	0.1	20.0	10.1	575	2.77	6.8	2.8	3.5	30	0.2	0.5	0.2	65	1.43	0.067	15
200555	Soil	1.0	16.1	9.7	50	<0.1	16.4	8.0	358	2.12	6.0	1.4	3.2	25	<0.1	0.4	0.1	61	0.39	0.030	14
202967	Soil	0.8	12.3	8.4	38	<0.1	12.1	6.1	198	1.76	4.5	7.2	4.2	18	<0.1	0.3	0.1	47	0.28	0.042	13
203950	Soil	0.9	17.6	7.5	47	<0.1	16.4	7.9	362	1.99	15.3	2.5	1.6	31	0.3	0.7	0.1	52	1.78	0.063	12
202961	Soil	1.1	13.5	5.7	48	<0.1	14.9	8.5	667	1.96	5.7	7.0	3.1	53	<0.1	0.3	0.1	46	0.85	0.066	18
200554	Soil	1.1	11.8	8.5	49	0.1	14.1	6.3	220	2.33	6.2	1.7	2.8	17	0.1	0.4	0.2	62	0.23	0.020	10



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202813	Soil	26	0.90	214	0.109	<1	1.62	0.008	0.29	<0.1	0.01	6.2	0.2	<0.05	7	<0.5	<0.2
202806	Soil	32	0.93	241	0.126	<1	1.79	0.014	0.16	0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
200541	Soil	25	0.41	178	0.088	<1	1.36	0.012	0.19	0.3	<0.01	3.1	0.1	<0.05	5	<0.5	<0.2
200901	Soil	25	0.44	239	0.056	2	1.27	0.015	0.05	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
200560	Soil	25	0.53	173	0.085	1	1.30	0.015	0.12	0.2	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
202812	Soil	19	0.82	173	0.123	2	1.49	0.009	0.25	0.1	<0.01	4.1	0.2	<0.05	6	<0.5	<0.2
200909	Soil	30	0.39	271	0.052	1	1.60	0.008	0.05	0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
200919	Soil	26	0.38	246	0.066	2	1.35	0.012	0.06	0.3	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
200544	Soil	52	1.48	251	0.165	1	2.18	0.007	0.56	1.0	<0.01	6.6	0.3	<0.05	9	<0.5	<0.2
202810	Soil	36	0.79	271	0.078	2	1.51	0.018	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
200545	Soil	109	0.95	275	0.090	1	2.13	0.011	0.20	0.6	0.02	6.8	0.1	<0.05	7	<0.5	<0.2
200552	Soil	26	0.40	176	0.066	1	1.47	0.009	0.07	0.2	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
200543	Soil	29	0.53	170	0.075	1	1.68	0.010	0.09	0.5	<0.01	3.6	0.1	<0.05	6	<0.5	<0.2
200900	Soil	26	0.43	245	0.058	1	1.28	0.015	0.05	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
200784	Soil	37	0.68	242	0.085	2	1.78	0.011	0.10	0.3	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
200553	Soil	32	0.49	234	0.067	1	1.67	0.013	0.06	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
200558	Soil	28	0.47	247	0.074	2	1.38	0.016	0.06	0.3	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
200917	Soil	32	0.63	180	0.086	1	1.59	0.008	0.08	0.7	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
202952	Soil	27	0.42	181	0.057	2	1.42	0.010	0.09	0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
201100	Soil	25	0.44	170	0.067	1	1.66	0.008	0.07	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
203949	Soil	23	0.48	207	0.049	2	1.07	0.014	0.04	0.3	0.07	4.0	<0.1	<0.05	3	0.8	<0.2
200905	Soil	30	0.76	345	0.075	3	1.57	0.012	0.22	0.3	0.03	4.8	0.1	<0.05	6	<0.5	<0.2
204424	Soil	27	0.42	168	0.068	1	1.29	0.012	0.05	0.3	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
202985	Soil	26	0.57	116	0.086	<1	2.13	0.008	0.19	0.2	0.02	2.8	0.3	<0.05	8	<0.5	<0.2
203945	Soil	27	0.68	322	0.087	1	1.42	0.015	0.24	0.2	0.05	6.8	0.3	<0.05	5	0.6	<0.2
200555	Soil	29	0.44	263	0.071	2	1.42	0.015	0.06	0.2	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
202967	Soil	24	0.36	183	0.059	2	1.13	0.010	0.04	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
203950	Soil	21	0.48	332	0.044	2	1.04	0.014	0.03	0.2	0.08	3.5	<0.1	<0.05	3	0.6	<0.2
202961	Soil	23	0.44	288	0.050	3	1.09	0.017	0.07	0.3	0.03	3.2	<0.1	0.06	3	0.6	<0.2
200554	Soil	27	0.48	191	0.075	2	1.52	0.011	0.08	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202965	Soil	1.5	13.3	11.6	49	0.1	13.7	8.9	420	2.43	7.9	6.5	3.9	20	<0.1	0.3	0.2	60	0.33	0.044	13
203943	Soil	0.9	23.9	12.9	73	0.1	16.2	10.9	747	2.62	5.6	2.7	5.4	27	0.2	0.3	0.3	63	1.06	0.052	38
203948	Soil	0.4	19.3	12.3	48	<0.1	17.5	8.2	255	2.04	7.9	3.6	2.0	38	0.2	0.5	0.2	54	1.87	0.060	11
201972	Soil	0.4	19.3	11.6	58	0.1	17.3	9.9	466	2.17	6.1	6.1	1.9	36	0.3	0.4	0.1	51	1.74	0.057	12
203984	Soil	1.0	11.4	8.0	50	<0.1	18.5	8.1	293	2.74	6.7	3.4	2.8	15	<0.1	0.5	0.2	72	0.22	0.021	7
203990	Soil	0.9	21.4	7.9	52	<0.1	14.9	7.6	429	2.45	5.7	1.7	6.7	21	<0.1	0.4	0.7	59	0.26	0.035	25
203940	Soil	0.7	23.7	10.2	64	<0.1	14.7	9.0	541	2.22	5.1	2.3	3.9	32	0.2	0.3	0.4	54	1.28	0.056	22
202983	Soil	0.8	15.6	71.4	84	<0.1	15.5	8.7	259	2.97	8.7	2.3	8.5	14	0.2	0.4	0.2	67	0.17	0.031	17
203988	Soil	0.7	13.0	6.9	37	<0.1	14.2	7.6	282	2.08	5.2	0.9	3.9	18	<0.1	0.6	0.1	52	0.21	0.016	13
203995	Soil	0.9	18.0	11.5	44	0.1	15.5	7.5	237	2.49	5.7	1.9	4.3	17	<0.1	1.2	0.3	54	0.30	0.024	15
203985	Soil	1.2	19.4	9.1	45	<0.1	21.3	9.2	228	3.02	10.3	1.6	2.9	14	<0.1	0.5	0.2	73	0.16	0.019	8
202957	Soil	4.4	12.0	20.5	108	<0.1	37.0	13.2	879	4.04	3.1	<0.5	11.3	29	<0.1	0.3	0.4	69	0.63	0.019	17
203994	Soil	0.9	17.9	10.2	57	<0.1	17.6	8.9	265	2.69	7.1	<0.5	4.4	19	<0.1	1.3	0.2	62	0.32	0.018	9
203979	Soil	0.7	21.3	7.5	40	<0.1	16.3	7.3	257	2.40	7.1	1.6	5.6	20	<0.1	0.7	0.2	58	0.33	0.026	24
203983	Soil	1.2	10.8	9.5	66	0.1	13.9	9.5	2097	2.55	5.2	<0.5	3.0	18	0.1	0.5	0.2	64	0.33	0.046	8
202964	Soil	1.2	13.4	8.3	44	0.1	12.1	6.2	221	2.08	5.7	4.0	3.1	17	0.1	0.3	0.2	53	0.27	0.044	13
203992	Soil	0.6	14.7	8.0	43	<0.1	16.0	7.6	430	2.35	5.8	13.8	3.8	20	<0.1	0.6	0.1	56	0.44	0.022	13
203980	Soil	0.9	21.3	7.5	44	0.2	13.1	6.9	283	2.56	6.9	<0.5	3.7	19	<0.1	0.7	0.1	64	0.34	0.023	14
204001	Soil	1.0	15.6	9.2	45	<0.1	18.4	7.6	234	2.75	9.4	1.2	4.2	15	<0.1	0.6	0.1	65	0.17	0.016	9
202984	Soil	0.8	19.3	10.3	63	<0.1	13.9	8.3	365	2.86	5.7	<0.5	9.1	15	<0.1	0.2	0.5	59	0.21	0.036	16
201991	Soil	0.7	15.7	7.5	49	<0.1	15.5	8.0	354	1.89	6.9	5.8	1.5	35	0.2	0.4	0.1	46	1.61	0.051	10
202975	Soil	1.1	16.2	11.4	48	<0.1	17.3	7.5	253	2.69	8.4	<0.5	6.3	19	<0.1	0.3	0.2	66	0.32	0.046	21
203982	Soil	1.0	12.1	9.0	49	<0.1	18.5	8.5	241	2.77	7.3	0.8	2.8	14	0.1	0.5	0.1	69	0.16	0.020	8
203986	Soil	0.7	17.1	8.5	46	0.1	19.8	8.3	256	2.84	8.8	1.0	4.6	17	<0.1	0.9	0.1	56	0.25	0.022	12
201999	Soil	0.4	14.0	10.1	58	<0.1	15.0	8.0	430	2.07	6.4	2.4	2.2	37	0.3	0.2	<0.1	48	2.94	0.056	11
201058	Soil	1.1	36.0	9.6	93	<0.1	20.8	12.5	574	3.52	17.9	2.1	8.2	31	<0.1	0.4	0.2	61	0.57	0.059	21
201042	Soil	1.0	31.7	10.6	53	0.1	25.3	10.3	442	2.55	11.9	1.5	3.9	34	0.1	0.6	0.1	61	0.74	0.058	13
203981	Soil	1.1	12.7	9.3	41	<0.1	15.9	8.1	281	2.61	7.5	0.8	3.3	15	<0.1	0.5	0.1	70	0.20	0.022	10
204415	Soil	1.1	22.5	10.5	48	<0.1	19.4	9.0	366	2.38	8.5	0.9	4.3	27	<0.1	0.4	0.1	56	0.46	0.046	14
204418	Soil	0.8	29.6	11.0	49	<0.1	24.8	10.0	360	2.59	9.0	<0.5	4.9	28	<0.1	0.4	0.1	61	0.50	0.056	17



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202965	Soil	28	0.38	229	0.054	1	1.43	0.010	0.06	0.3	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
203943	Soil	22	0.61	432	0.074	2	1.47	0.014	0.14	0.2	0.03	4.9	0.1	<0.05	5	0.6	<0.2
203948	Soil	24	0.52	187	0.056	1	1.23	0.018	0.04	0.2	0.06	3.4	<0.1	0.09	3	0.7	<0.2
201972	Soil	23	0.55	286	0.059	3	1.29	0.016	0.08	0.1	0.05	3.4	0.1	0.10	4	0.6	<0.2
203984	Soil	50	0.61	191	0.056	1	1.76	0.009	0.06	0.2	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
203990	Soil	28	0.44	242	0.077	<1	1.75	0.011	0.08	0.2	0.03	4.6	0.2	<0.05	5	<0.5	<0.2
203940	Soil	25	0.58	262	0.052	3	1.26	0.013	0.09	0.1	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
202983	Soil	29	0.55	138	0.074	1	1.95	0.008	0.08	0.1	0.02	3.0	0.2	<0.05	6	<0.5	<0.2
203988	Soil	27	0.40	195	0.049	<1	1.27	0.010	0.04	0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
203995	Soil	29	0.40	243	0.041	<1	1.39	0.010	0.05	0.2	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
203985	Soil	35	0.52	220	0.053	<1	1.88	0.008	0.07	0.2	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
202957	Soil	50	1.11	404	0.099	3	2.47	0.010	0.72	2.0	0.02	6.7	0.4	<0.05	9	<0.5	<0.2
203994	Soil	32	0.56	208	0.059	<1	1.72	0.011	0.05	0.2	0.04	3.6	<0.1	<0.05	6	<0.5	<0.2
203979	Soil	27	0.49	313	0.058	<1	1.41	0.015	0.06	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
203983	Soil	24	0.40	562	0.031	<1	1.70	0.009	0.06	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
202964	Soil	26	0.37	221	0.052	<1	1.42	0.010	0.06	0.3	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
203992	Soil	29	0.43	295	0.058	<1	1.49	0.013	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
203980	Soil	23	0.53	344	0.057	<1	1.52	0.010	0.09	0.2	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
204001	Soil	38	0.48	240	0.050	<1	1.74	0.009	0.06	0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
202984	Soil	25	0.57	146	0.059	<1	1.62	0.009	0.05	0.2	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
201991	Soil	21	0.40	274	0.042	1	1.02	0.017	0.05	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
202975	Soil	29	0.46	244	0.063	<1	1.81	0.010	0.07	0.3	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
203982	Soil	31	0.44	219	0.043	<1	1.87	0.009	0.04	0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
203986	Soil	37	0.49	327	0.040	<1	1.62	0.010	0.06	0.1	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
201999	Soil	20	1.07	192	0.051	<1	0.97	0.014	0.06	0.2	0.05	3.3	<0.1	0.05	3	<0.5	<0.2
201058	Soil	34	0.81	223	0.054	<1	2.08	0.013	0.18	<0.1	0.02	6.0	0.2	<0.05	8	<0.5	<0.2
201042	Soil	29	0.58	288	0.075	1	1.44	0.025	0.08	0.2	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
203981	Soil	31	0.40	173	0.052	<1	1.64	0.009	0.05	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
204415	Soil	31	0.49	292	0.056	<1	1.40	0.014	0.05	0.2	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2
204418	Soil	33	0.54	305	0.061	<1	1.40	0.020	0.06	0.2	0.03	5.3	<0.1	<0.05	4	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201969	Soil	0.9	26.5	12.0	67	<0.1	11.4	7.9	610	1.93	4.1	<0.5	1.7	60	0.2	0.3	0.2	41	2.28	0.050	12
203987	Soil	1.1	15.7	9.1	48	<0.1	17.2	7.7	290	2.75	7.0	1.0	5.1	17	<0.1	1.1	0.1	61	0.25	0.012	13
204400	Soil	1.0	26.2	10.1	49	0.1	21.3	9.0	354	2.35	21.7	1.4	3.4	32	0.2	0.5	0.1	55	0.79	0.051	13
204417	Soil	0.7	38.1	12.2	56	<0.1	24.0	10.1	391	2.62	9.1	3.1	5.2	29	<0.1	0.6	0.2	57	0.48	0.056	16
201056	Soil	1.2	21.4	11.7	50	<0.1	21.7	10.9	543	2.53	8.8	0.8	4.8	24	<0.1	0.4	0.2	58	0.40	0.036	13
201043	Soil	1.5	17.6	8.1	44	<0.1	15.8	7.8	414	2.32	13.1	4.0	3.2	34	<0.1	0.4	<0.1	56	0.72	0.059	11
201072	Soil	0.7	18.1	6.8	49	<0.1	18.9	8.7	409	2.08	6.5	3.2	3.0	31	0.1	0.4	<0.1	55	0.65	0.064	12
201094	Soil	0.9	13.6	10.6	74	<0.1	15.4	9.3	891	2.94	6.4	<0.5	6.0	14	<0.1	0.4	0.1	69	0.16	0.049	7
204411	Soil	1.3	41.5	18.5	92	0.1	23.1	14.4	1372	3.48	9.5	0.5	9.7	17	0.7	0.6	0.2	67	0.62	0.077	30
201970	Soil	0.8	30.6	22.2	79	0.1	13.7	9.2	485	2.50	4.9	0.6	4.2	25	0.2	0.2	0.1	51	1.30	0.046	21
201085	Soil	0.8	12.0	7.3	48	<0.1	11.4	6.0	277	2.09	4.8	13.1	6.6	21	<0.1	0.2	0.1	48	0.44	0.047	22
201108	Soil	1.2	23.0	10.8	56	<0.1	19.7	9.1	240	3.28	11.3	1.8	5.5	10	<0.1	0.6	0.4	75	0.10	0.029	9
204416	Soil	1.0	34.4	11.4	55	<0.1	23.9	9.0	388	2.56	8.4	4.9	5.6	30	<0.1	0.5	0.2	59	0.51	0.053	18
201057	Soil	1.0	27.2	14.2	60	<0.1	22.5	9.7	298	2.81	11.9	18.6	6.7	27	<0.1	0.5	0.2	58	0.47	0.043	16
201080	Soil	0.9	29.8	8.3	63	<0.1	26.5	10.4	418	2.43	9.1	<0.5	3.6	50	0.4	0.7	0.1	59	1.64	0.071	12
201093	Soil	1.4	24.3	12.1	53	<0.1	19.0	8.4	259	2.94	7.3	2.7	8.4	16	<0.1	0.3	0.3	70	0.20	0.020	22
201096	Soil	1.2	12.0	11.6	110	<0.1	12.2	12.3	691	3.30	4.3	0.8	7.8	20	0.1	0.1	0.2	64	0.25	0.066	17
204419	Soil	1.1	23.8	12.9	49	<0.1	20.6	10.4	438	2.69	9.2	2.7	5.6	26	<0.1	0.5	0.2	63	0.46	0.042	21
201088	Soil	1.0	20.1	9.4	44	0.1	16.5	7.9	348	2.25	6.6	0.7	7.0	22	<0.1	0.3	0.2	57	0.33	0.039	31
201082	Soil	0.9	13.0	8.3	45	<0.1	14.3	6.7	243	2.12	5.9	5.2	4.4	20	<0.1	0.3	0.1	55	0.37	0.049	13
201070	Soil	1.3	17.4	10.1	59	0.1	16.6	9.1	484	2.52	6.9	12.0	5.3	29	0.1	0.3	0.2	58	0.61	0.061	22
201046	Soil	1.3	32.3	49.2	88	<0.1	14.4	13.6	595	3.45	14.8	0.5	2.7	22	0.1	0.1	0.8	81	0.54	0.108	7
202989	Soil	1.1	18.1	12.4	57	<0.1	16.3	7.4	263	2.71	6.1	2.0	5.9	18	<0.1	0.3	0.2	67	0.24	0.023	16
201073	Soil	0.8	27.0	7.2	53	<0.1	24.9	9.8	417	2.25	8.0	3.3	3.5	42	0.1	0.5	0.1	56	0.87	0.070	12
201101	Soil	1.3	16.0	11.7	55	0.1	13.6	5.6	189	2.54	6.6	2.5	6.7	15	<0.1	0.3	0.2	64	0.22	0.028	28
200385	Soil	1.2	34.9	9.2	57	0.1	14.5	11.6	1003	3.17	4.1	3.7	2.9	27	<0.1	0.2	<0.1	77	0.42	0.056	11
201105	Soil	1.1	29.8	11.3	62	<0.1	25.1	13.2	340	3.52	10.8	4.2	7.2	15	<0.1	0.5	0.2	75	0.16	0.018	11
201086	Soil	1.7	38.4	14.0	66	0.3	20.8	13.5	1695	2.56	5.0	6.3	5.9	28	0.5	0.3	0.3	54	0.39	0.052	52
201087	Soil	1.4	14.1	9.5	47	<0.1	16.6	7.7	312	2.81	9.8	4.6	4.2	19	<0.1	0.4	0.2	64	0.24	0.027	11
200384	Soil	0.8	17.2	4.8	56	0.1	10.9	7.7	299	2.49	4.2	<0.5	1.5	25	<0.1	0.2	<0.1	67	0.30	0.067	6



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201969	Soil	14	0.42	455	0.033	4	0.88	0.010	0.10	0.1	0.04	3.6	0.1	0.10	3	0.6	<0.2
203987	Soil	33	0.45	288	0.037	<1	1.75	0.009	0.06	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
204400	Soil	29	0.51	328	0.055	<1	1.36	0.021	0.06	0.2	0.03	4.6	<0.1	<0.05	4	0.5	<0.2
204417	Soil	32	0.56	289	0.066	<1	1.45	0.021	0.07	0.2	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
201056	Soil	32	0.48	277	0.054	<1	1.55	0.014	0.08	0.2	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
201043	Soil	26	0.55	282	0.072	<1	1.46	0.017	0.10	0.2	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
201072	Soil	25	0.47	254	0.056	<1	1.17	0.021	0.05	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
201094	Soil	26	0.50	219	0.073	<1	1.81	0.009	0.10	0.1	<0.01	2.3	0.2	<0.05	8	<0.5	<0.2
204411	Soil	28	0.57	427	0.074	<1	1.83	0.013	0.23	0.2	0.23	10.6	0.2	<0.05	6	<0.5	<0.2
201970	Soil	18	0.55	241	0.045	1	1.25	0.011	0.16	0.1	0.04	5.1	0.2	<0.05	5	<0.5	<0.2
201085	Soil	21	0.42	247	0.063	<1	1.21	0.011	0.09	0.3	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
201108	Soil	32	0.51	164	0.067	<1	2.01	0.007	0.08	0.2	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
204416	Soil	35	0.55	310	0.062	<1	1.54	0.018	0.06	0.2	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
201057	Soil	36	0.58	242	0.057	<1	1.59	0.017	0.08	0.2	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
201080	Soil	28	0.74	323	0.065	<1	1.19	0.038	0.06	0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
201093	Soil	33	0.58	163	0.086	2	2.00	0.008	0.08	0.2	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
201096	Soil	20	0.87	140	0.155	2	2.03	0.008	0.42	0.3	0.01	2.5	0.4	<0.05	9	<0.5	<0.2
204419	Soil	34	0.52	311	0.057	2	1.56	0.015	0.06	0.2	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
201088	Soil	32	0.45	278	0.054	1	1.38	0.012	0.07	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
201082	Soil	26	0.41	218	0.062	2	1.32	0.013	0.04	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
201070	Soil	29	0.45	341	0.056	2	1.56	0.012	0.07	0.5	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
201046	Soil	21	1.10	246	0.152	1	1.89	0.008	0.78	0.1	0.01	6.1	0.3	<0.05	9	<0.5	<0.2
202989	Soil	30	0.51	195	0.080	2	1.69	0.010	0.13	0.2	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
201073	Soil	27	0.56	292	0.060	3	1.13	0.024	0.07	0.2	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
201101	Soil	27	0.41	168	0.058	2	1.76	0.007	0.08	0.2	0.02	3.9	0.2	<0.05	8	<0.5	<0.2
200385	Soil	29	0.72	255	0.105	1	1.90	0.012	0.15	<0.1	0.04	7.0	0.1	<0.05	7	<0.5	<0.2
201105	Soil	41	0.66	159	0.072	2	2.65	0.009	0.08	0.2	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
201086	Soil	30	0.33	431	0.036	4	1.83	0.015	0.12	0.1	0.04	5.1	0.1	<0.05	7	<0.5	<0.2
201087	Soil	33	0.47	213	0.060	2	1.68	0.009	0.09	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
200384	Soil	23	0.77	177	0.127	1	1.72	0.014	0.26	<0.1	0.01	3.1	0.1	<0.05	8	<0.5	<0.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202988	Soil	1.1	15.5	11.8	63	<0.1	19.0	10.8	629	3.08	8.9	2.1	5.1	19	0.1	0.4	0.2	69	0.25	0.028	10
201091	Soil	0.9	30.4	13.1	54	<0.1	23.6	11.0	433	2.79	8.6	3.8	9.6	21	<0.1	0.5	0.1	64	0.26	0.024	33
201092	Soil	1.0	20.8	12.8	75	<0.1	12.7	8.9	407	3.09	5.2	<0.5	9.7	20	<0.1	0.2	0.1	54	0.27	0.036	11
200391	Soil	0.6	18.6	7.6	55	<0.1	22.9	10.2	341	2.60	8.4	2.2	3.9	24	<0.1	0.4	0.1	64	0.40	0.037	10
201090	Soil	1.4	21.3	13.7	79	<0.1	12.5	10.7	422	3.65	6.8	1.7	11.4	19	<0.1	0.3	0.2	56	0.28	0.038	8
201107	Soil	0.8	19.4	11.6	81	<0.1	14.7	9.2	333	3.20	7.0	2.6	7.0	18	<0.1	0.3	0.1	73	0.25	0.035	30
202079	Soil	1.0	13.3	10.0	40	<0.1	13.6	6.1	132	2.35	8.2	1.4	2.3	15	0.1	0.4	0.1	62	0.19	0.022	11
200394	Soil	0.4	16.3	3.7	85	<0.1	11.2	16.9	647	3.27	2.6	<0.5	2.5	14	<0.1	0.2	<0.1	74	0.35	0.058	6
200344	Soil	2.1	17.9	8.8	67	<0.1	18.6	10.7	861	2.92	7.6	2.4	4.7	21	0.2	0.5	0.1	64	0.35	0.054	13
200940	Soil	0.5	22.5	6.2	59	<0.1	13.8	10.1	622	3.07	4.5	<0.5	2.8	91	<0.1	0.2	<0.1	74	1.11	0.076	11
201928	Soil	0.6	19.3	18.2	59	<0.1	15.2	9.3	337	2.57	6.6	1.2	3.1	27	<0.1	0.3	0.2	67	0.54	0.063	13
200377	Soil	0.5	24.6	8.9	81	<0.1	16.7	11.8	847	2.74	6.2	1.5	3.1	44	<0.1	0.3	0.1	66	0.70	0.059	12
200349	Soil	0.4	43.3	4.9	98	<0.1	11.4	16.5	640	3.53	2.9	1.0	2.7	39	<0.1	0.1	<0.1	94	0.63	0.108	19
200939	Soil	1.2	12.4	8.3	49	<0.1	17.3	7.9	412	2.68	9.9	0.9	2.5	16	<0.1	0.4	0.1	64	0.24	0.035	8
200376	Soil	0.7	14.5	7.1	120	<0.1	11.5	14.2	810	2.65	4.7	<0.5	3.3	15	<0.1	0.2	<0.1	47	0.42	0.077	12
200379	Soil	0.5	23.3	7.8	69	<0.1	24.4	11.8	412	2.73	8.9	1.4	4.0	27	<0.1	0.4	<0.1	60	0.43	0.052	11
200332	Soil	0.6	17.0	8.4	39	<0.1	15.1	6.6	141	2.02	6.1	3.9	3.1	18	<0.1	0.3	<0.1	54	0.24	0.016	10
200942	Soil	0.7	24.3	6.0	99	<0.1	11.1	13.0	494	3.76	6.3	<0.5	1.4	20	<0.1	0.2	<0.1	102	0.36	0.108	4
200928	Soil	0.7	36.5	13.1	78	0.1	19.2	12.4	1135	2.98	5.4	1.4	4.2	28	0.3	0.4	0.1	56	0.97	0.046	38
200949	Soil	0.7	14.1	7.0	86	<0.1	10.8	12.2	516	3.42	3.4	<0.5	3.1	16	<0.1	0.2	<0.1	87	0.27	0.081	6
200356	Soil	0.6	32.0	13.0	119	<0.1	10.7	10.7	631	3.49	4.8	<0.5	9.2	19	<0.1	0.2	0.1	59	0.30	0.033	61
202081	Soil	1.0	23.0	9.1	45	<0.1	18.5	9.4	434	2.19	7.6	20.8	3.1	30	0.1	0.4	0.2	53	0.55	0.057	12
201921	Soil	0.6	18.2	7.2	41	<0.1	13.0	6.9	240	2.24	5.6	2.1	3.3	15	<0.1	0.3	0.2	52	0.28	0.034	17
200944	Soil	0.9	9.9	9.8	74	<0.1	16.0	12.6	502	2.81	5.1	2.1	2.1	29	<0.1	0.2	0.1	74	0.47	0.043	6
203856	Soil	0.7	32.8	6.0	65	<0.1	17.3	13.1	483	3.11	3.0	4.8	1.8	42	<0.1	0.2	0.1	92	1.60	0.047	5
200334	Soil	0.9	21.7	10.7	46	<0.1	19.3	8.4	230	2.64	5.9	5.6	4.8	19	<0.1	0.4	0.1	62	0.24	0.016	14
200342	Soil	1.4	21.6	9.8	59	0.2	18.2	9.8	1088	2.55	4.6	2.4	6.5	24	0.3	0.5	0.2	58	0.39	0.051	25
200327	Soil	1.3	23.5	10.8	70	0.2	18.0	11.1	886	2.80	5.5	6.9	4.8	24	0.2	0.3	0.2	63	0.51	0.045	36
200381	Soil	0.7	26.3	8.2	75	<0.1	21.0	12.9	366	3.36	5.4	2.0	2.8	43	<0.1	0.2	<0.1	89	0.56	0.060	10
200331	Soil	1.0	16.3	13.3	58	<0.1	17.3	8.4	338	2.65	5.7	2.9	4.4	20	<0.1	0.3	0.1	68	0.32	0.022	14



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202988	Soil	33	0.51	259	0.059	1	2.03	0.008	0.11	0.2	0.03	3.5	0.1	<0.05	6	<0.5	<0.2	
201091	Soil	37	0.56	238	0.071	1	1.91	0.011	0.08	0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2	
201092	Soil	22	0.64	138	0.103	1	1.81	0.008	0.30	0.2	0.01	2.4	0.3	<0.05	8	<0.5	<0.2	
200391	Soil	36	0.67	244	0.081	2	1.63	0.016	0.14	0.2	0.02	4.5	0.1	<0.05	5	<0.5	<0.2	
201090	Soil	23	0.71	172	0.141	2	2.08	0.008	0.51	0.5	<0.01	2.7	0.6	<0.05	8	<0.5	<0.2	
201107	Soil	27	0.77	210	0.100	2	2.15	0.008	0.26	0.1	<0.01	3.4	0.3	<0.05	9	<0.5	<0.2	
202079	Soil	28	0.34	172	0.047	1	1.71	0.007	0.05	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2	
200394	Soil	17	1.39	370	0.150	<1	1.92	0.008	0.63	<0.1	<0.01	17.3	0.2	<0.05	9	<0.5	<0.2	
200344	Soil	32	0.52	369	0.059	2	1.68	0.012	0.11	0.3	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2	
200940	Soil	28	1.37	208	0.117	<1	3.08	0.009	0.16	0.1	0.02	7.2	<0.1	<0.05	10	<0.5	<0.2	
201928	Soil	26	0.59	281	0.078	1	1.46	0.014	0.08	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2	
200377	Soil	28	0.82	256	0.088	1	1.73	0.016	0.09	0.1	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2	
200349	Soil	25	1.86	229	0.194	2	2.44	0.009	0.41	0.2	0.02	2.4	0.3	<0.05	9	<0.5	<0.2	
200939	Soil	31	0.47	211	0.058	2	1.64	0.008	0.07	0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2	
200376	Soil	18	1.23	164	0.128	<1	1.73	0.007	0.41	<0.1	<0.01	9.0	0.3	<0.05	7	<0.5	<0.2	
200379	Soil	32	0.85	230	0.082	1	1.68	0.014	0.10	0.1	0.02	5.1	0.1	<0.05	5	<0.5	<0.2	
200332	Soil	32	0.41	206	0.069	<1	1.50	0.011	0.05	0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2	
200942	Soil	18	1.20	248	0.204	<1	2.16	0.007	0.74	0.1	<0.01	5.9	0.3	<0.05	11	<0.5	<0.2	
200928	Soil	24	0.75	705	0.081	2	1.82	0.019	0.16	<0.1	0.03	8.8	0.1	<0.05	6	<0.5	<0.2	
200949	Soil	17	1.04	208	0.136	2	1.96	0.007	0.64	0.1	0.01	4.2	0.3	<0.05	9	<0.5	<0.2	
200356	Soil	27	0.95	295	0.140	<1	2.15	0.008	0.55	0.1	0.01	5.3	0.3	<0.05	9	<0.5	<0.2	
202081	Soil	25	0.41	244	0.051	2	1.20	0.016	0.04	0.2	0.02	3.4	<0.1	<0.05	3	<0.5	<0.2	
201921	Soil	23	0.52	198	0.079	2	1.38	0.010	0.07	0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2	
200944	Soil	30	1.54	174	0.145	2	2.22	0.008	0.19	0.1	<0.01	4.7	0.1	<0.05	9	<0.5	<0.2	
203856	Soil	33	1.44	466	0.176	3	1.86	0.011	0.69	0.2	0.02	3.9	0.2	<0.05	7	0.5	<0.2	
200334	Soil	34	0.52	193	0.087	1	1.73	0.012	0.10	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2	
200342	Soil	25	0.43	347	0.054	2	1.40	0.010	0.14	0.2	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2	
200327	Soil	32	0.56	294	0.077	2	1.89	0.012	0.10	0.3	0.04	5.7	<0.1	<0.05	6	<0.5	<0.2	
200381	Soil	39	1.22	266	0.159	2	2.32	0.010	0.41	0.1	0.02	4.7	0.1	<0.05	8	<0.5	<0.2	
200331	Soil	36	0.51	228	0.083	2	1.78	0.012	0.05	0.2	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2	



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200339	Soil	0.9	16.0	8.9	51	<0.1	18.2	9.0	353	2.78	7.7	2.4	4.3	16	<0.1	0.4	0.1	68	0.19	0.023	9
200328	Soil	1.3	14.3	10.2	62	0.1	14.6	8.0	327	2.76	6.8	2.3	3.9	18	<0.1	0.3	0.1	64	0.30	0.026	12
200366	Soil	1.1	27.9	11.3	57	<0.1	20.9	10.0	365	2.44	7.8	24.2	4.0	29	0.2	0.4	0.1	57	0.57	0.064	16
200350	Soil	0.8	25.0	9.3	55	0.2	17.0	10.7	489	2.69	7.1	1.8	5.3	20	<0.1	0.4	0.1	64	0.27	0.019	32
200362	Soil	1.2	23.9	13.6	82	0.1	21.5	11.7	803	2.91	6.4	3.8	4.8	26	0.1	0.3	0.2	65	0.63	0.050	24
200330	Soil	1.0	13.6	9.6	54	<0.1	15.6	6.9	247	2.74	8.2	2.6	2.9	16	<0.1	0.4	0.1	73	0.25	0.019	9
200383	Soil	0.7	23.9	6.6	58	<0.1	12.2	8.9	358	2.73	5.1	2.5	2.8	37	<0.1	0.2	0.2	72	0.39	0.058	9
200340	Soil	1.0	24.4	11.4	70	<0.1	20.1	12.1	689	3.09	8.3	1.8	4.7	21	<0.1	0.5	0.1	67	0.31	0.017	12
200343	Soil	2.3	15.1	9.0	42	0.1	17.3	10.4	793	2.34	7.0	1.2	5.0	22	0.1	0.5	0.1	56	0.37	0.033	12
200337	Soil	0.9	17.5	9.0	58	<0.1	18.6	9.8	303	3.24	9.1	2.1	6.3	14	<0.1	0.5	0.1	72	0.15	0.020	9
200775	Soil	0.7	18.7	8.2	47	<0.1	16.0	6.9	219	2.54	8.1	4.2	4.6	14	<0.1	0.4	0.1	60	0.14	0.020	11
200750	Soil	1.8	27.7	11.7	65	0.2	18.7	15.4	815	3.80	13.9	2.3	5.3	23	<0.1	0.4	0.3	81	0.27	0.055	28
203860	Soil	0.6	44.4	6.6	58	<0.1	18.2	10.7	426	2.95	7.3	2.5	5.1	20	<0.1	0.3	<0.1	67	0.32	0.033	11
203858	Soil	0.5	27.0	7.0	66	<0.1	19.8	12.5	493	3.30	4.7	2.1	1.7	25	<0.1	0.2	<0.1	91	0.62	0.033	6
200765	Soil	2.0	20.8	10.6	50	0.2	14.9	9.6	572	2.67	6.8	2.1	4.4	20	0.2	0.6	0.1	57	0.40	0.035	12
203866	Soil	0.6	9.4	6.6	44	<0.1	8.9	5.7	155	1.93	5.3	1.5	2.1	21	<0.1	0.2	<0.1	56	0.29	0.030	8
203857	Soil	0.3	41.6	32.7	78	0.1	21.0	13.0	501	3.04	2.1	2.8	1.4	66	0.1	0.1	<0.1	95	3.60	0.070	6
203863	Soil	0.3	20.9	4.0	68	<0.1	13.6	14.0	754	3.43	4.4	2.5	3.1	22	0.1	0.2	<0.1	90	0.69	0.116	10
203862	Soil	0.6	13.7	7.3	56	<0.1	11.5	7.6	208	2.39	5.5	3.2	2.9	19	<0.1	0.2	<0.1	61	0.33	0.050	11
203869	Soil	0.4	20.6	7.2	142	<0.1	17.9	21.8	1150	3.53	3.8	1.6	3.0	17	<0.1	<0.1	<0.1	93	0.55	0.114	16
203864	Soil	0.4	17.8	5.4	55	<0.1	11.4	8.8	384	2.61	4.7	14.0	3.5	21	<0.1	0.3	<0.1	57	0.47	0.077	11
203855	Soil	0.5	11.7	5.2	89	<0.1	10.2	9.5	645	2.35	3.7	<0.5	5.3	11	<0.1	0.2	<0.1	35	0.25	0.033	11
203868	Soil	1.0	22.9	15.0	112	<0.1	16.7	16.6	992	4.69	1.7	1.2	5.7	21	<0.1	0.2	0.2	114	0.54	0.147	27
203859	Soil	0.4	23.1	7.4	83	<0.1	23.7	15.4	450	3.48	5.3	1.3	3.2	27	<0.1	0.2	<0.1	100	0.38	0.028	11
203867	Soil	0.4	76.4	3.7	73	<0.1	16.2	21.9	732	4.47	1.0	2.9	2.6	27	<0.1	<0.1	<0.1	161	0.81	0.139	9
203865	Soil	0.6	17.4	6.5	54	<0.1	13.7	9.7	382	2.46	6.5	11.2	3.8	23	<0.1	0.4	<0.1	58	0.50	0.068	12
200766	Soil	0.9	31.4	11.2	55	<0.1	20.8	9.7	497	2.57	8.9	9.0	6.7	29	<0.1	0.6	0.2	60	0.55	0.035	24
200778	Soil	0.9	16.9	7.9	47	0.1	14.2	5.8	194	2.42	6.1	2.8	3.1	16	0.1	0.3	0.3	64	0.20	0.022	14
200749	Soil	1.4	17.6	8.9	59	0.1	16.6	8.0	335	3.02	9.1	8.3	3.9	18	0.1	0.4	0.2	66	0.27	0.033	14
200755	Soil	0.6	16.1	7.5	39	<0.1	16.8	6.9	154	2.28	6.4	2.1	4.2	19	<0.1	0.3	0.2	57	0.27	0.031	12



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200339	Soil	31	0.47	203	0.064	2	1.68	0.009	0.07	0.2	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
200328	Soil	32	0.55	190	0.087	2	1.72	0.011	0.08	0.3	<0.01	3.7	0.1	<0.05	6	<0.5	<0.2
200366	Soil	30	0.47	298	0.063	2	1.43	0.018	0.05	0.5	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
200350	Soil	30	0.45	340	0.067	2	1.58	0.015	0.08	0.2	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
200362	Soil	37	0.56	337	0.080	2	1.89	0.012	0.15	0.3	0.03	5.9	0.1	<0.05	6	<0.5	<0.2
200330	Soil	33	0.48	192	0.075	1	1.91	0.008	0.06	0.2	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
200383	Soil	24	0.91	207	0.129	1	1.90	0.010	0.17	<0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
200340	Soil	35	0.67	251	0.085	1	1.70	0.012	0.11	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
200343	Soil	27	0.35	294	0.045	2	1.43	0.011	0.08	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
200337	Soil	37	0.53	198	0.072	1	2.07	0.008	0.09	0.2	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
200775	Soil	25	0.44	153	0.084	<1	1.75	0.009	0.06	0.1	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
200750	Soil	32	0.48	293	0.084	1	2.38	0.011	0.14	0.4	0.03	4.6	0.1	<0.05	9	<0.5	<0.2
203860	Soil	28	0.91	122	0.127	1	1.98	0.008	0.24	0.1	0.01	6.5	0.1	<0.05	7	<0.5	<0.2
203858	Soil	29	1.38	294	0.143	2	2.18	0.011	0.48	0.1	0.01	4.2	0.1	<0.05	8	<0.5	<0.2
200765	Soil	24	0.43	240	0.050	2	1.48	0.012	0.12	0.3	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
203866	Soil	19	0.42	136	0.086	1	1.13	0.008	0.08	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
203857	Soil	35	2.15	245	0.134	2	2.62	0.008	0.38	<0.1	0.01	6.0	0.2	<0.05	10	<0.5	<0.2
203863	Soil	25	1.36	317	0.177	<1	2.05	0.014	0.61	0.1	0.02	6.2	0.2	<0.05	7	<0.5	<0.2
203862	Soil	23	0.46	176	0.068	<1	1.45	0.010	0.06	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
203869	Soil	34	2.11	352	0.167	1	2.24	0.009	0.88	<0.1	<0.01	20.2	0.4	<0.05	9	<0.5	<0.2
203864	Soil	20	0.63	313	0.102	2	1.40	0.012	0.21	0.1	0.02	5.3	0.1	<0.05	5	<0.5	<0.2
203855	Soil	15	1.01	146	0.123	1	1.51	0.006	0.59	<0.1	<0.01	6.7	0.4	<0.05	5	<0.5	<0.2
203868	Soil	44	1.63	799	0.183	1	2.24	0.008	1.20	0.2	0.02	11.1	0.4	<0.05	8	<0.5	<0.2
203859	Soil	36	1.39	201	0.165	2	2.34	0.010	0.47	0.1	0.01	6.5	0.2	<0.05	8	<0.5	<0.2
203867	Soil	50	2.56	400	0.213	<1	2.97	0.013	1.42	<0.1	<0.01	16.4	0.4	<0.05	10	<0.5	<0.2
203865	Soil	23	0.52	240	0.084	<1	1.41	0.013	0.10	0.2	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
200766	Soil	30	0.52	278	0.065	2	1.44	0.017	0.08	0.2	0.08	5.7	<0.1	<0.05	5	<0.5	<0.2
200778	Soil	27	0.39	180	0.077	1	1.51	0.008	0.06	0.2	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
200749	Soil	33	0.48	203	0.077	1	2.01	0.008	0.07	0.3	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
200755	Soil	27	0.45	193	0.067	1	1.53	0.010	0.05	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: August 28, 2017

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200783	Soil	1.2	28.2	14.5	82	0.1	21.5	11.5	839	3.13	7.1	5.9	7.2	27	0.2	0.3	0.5	73	0.57	0.036	45
200753	Soil	1.1	19.6	10.2	56	<0.1	15.2	10.4	791	2.80	5.3	1.3	7.3	21	<0.1	0.3	0.5	63	0.27	0.038	23
200760	Soil	0.9	12.2	8.0	61	<0.1	17.1	11.6	659	2.73	5.8	1.1	2.6	20	<0.1	0.4	0.1	68	0.24	0.023	10
200758	Soil	1.5	9.4	8.9	56	<0.1	8.7	4.7	478	2.48	5.5	<0.5	3.0	12	<0.1	0.3	0.2	69	0.14	0.051	7
200776	Soil	0.6	14.5	8.4	43	<0.1	11.8	6.2	263	1.99	4.1	1.6	6.0	14	<0.1	0.2	0.2	47	0.19	0.026	15
200751	Soil	1.1	19.7	9.3	55	0.1	15.2	12.3	535	2.73	6.7	5.0	5.2	16	<0.1	0.3	0.2	64	0.21	0.034	17
200747	Soil	1.0	19.7	11.5	64	0.1	15.9	10.4	994	2.40	5.0	13.2	4.8	27	0.3	0.2	0.2	54	0.55	0.076	25
200764	Soil	1.1	12.3	9.8	60	<0.1	18.4	9.0	312	2.77	8.2	1.9	3.4	17	0.1	0.4	0.1	70	0.24	0.037	10
200359	Soil	0.7	26.5	10.3	53	<0.1	21.2	9.7	313	2.49	6.8	2.1	4.0	25	<0.1	0.4	0.1	65	0.42	0.032	16
200762	Soil	0.8	21.3	9.7	56	<0.1	25.8	9.8	238	3.07	11.3	7.0	5.9	18	<0.1	0.5	0.1	74	0.18	0.014	13
200780	Soil	0.9	18.5	9.2	63	0.1	17.7	9.8	401	3.00	8.6	1.7	3.8	21	<0.1	0.3	0.2	72	0.30	0.044	12
200761	Soil	1.1	10.7	11.5	46	<0.1	15.6	8.9	320	2.49	5.0	1.7	2.6	11	0.2	0.3	0.1	64	0.14	0.016	9
200774	Soil	0.8	12.8	8.0	38	<0.1	12.7	6.0	180	2.26	7.2	0.7	1.7	10	<0.1	0.3	0.1	63	0.10	0.023	8
200354	Soil	1.2	14.6	11.7	59	<0.1	14.1	7.7	267	3.44	11.0	1.2	3.0	13	<0.1	0.4	0.1	84	0.15	0.021	9
200352	Soil	0.9	22.0	11.0	60	0.2	17.1	10.1	452	2.72	6.2	1.5	4.1	16	<0.1	0.3	0.1	65	0.18	0.020	20
200329	Soil	0.9	14.6	8.2	54	0.1	17.9	7.2	290	2.58	6.1	1.5	3.4	20	<0.1	0.3	0.1	62	0.35	0.024	11
200365	Soil	1.1	25.6	9.2	66	0.1	18.9	9.7	330	2.74	7.7	4.6	4.1	27	0.2	0.4	0.2	63	0.44	0.050	26
200353	Soil	0.9	16.8	10.5	80	<0.1	10.1	7.9	487	3.06	7.0	<0.5	3.5	12	<0.1	0.2	0.1	69	0.15	0.028	8
200363	Soil	1.7	18.9	12.7	86	0.2	18.0	11.2	564	3.19	5.8	2.7	4.2	24	0.1	0.2	0.2	69	0.60	0.040	15
200355	Soil	0.9	16.3	9.6	52	<0.1	15.3	7.6	240	2.66	8.3	2.0	4.2	17	<0.1	0.3	0.1	65	0.21	0.017	16
200338	Soil	0.9	17.6	11.8	62	<0.1	20.8	10.0	881	2.76	7.2	<0.5	5.6	28	0.1	0.4	0.1	61	0.38	0.036	9
200364	Soil	1.4	14.1	9.7	62	0.1	15.1	7.4	282	2.54	6.1	3.8	2.8	14	<0.1	0.2	0.2	66	0.21	0.029	11
200351	Soil	0.8	18.7	10.2	46	0.1	16.2	7.9	317	2.62	6.9	2.9	5.0	18	<0.1	0.4	0.1	64	0.23	0.017	25
200358	Soil	0.8	22.2	9.8	45	<0.1	19.1	7.1	193	2.23	5.3	3.3	3.6	22	<0.1	0.4	<0.1	59	0.29	0.017	13
200335	Soil	0.8	15.5	8.9	44	<0.1	17.3	7.1	223	2.55	8.3	2.3	5.6	16	<0.1	0.3	0.1	60	0.19	0.026	14
200361	Soil	1.0	19.0	8.2	62	<0.1	19.8	10.8	362	2.76	5.9	2.0	4.1	20	<0.1	0.2	<0.1	68	0.32	0.028	15
200336	Soil	1.1	13.7	9.4	77	<0.1	19.4	10.2	787	2.89	7.4	1.1	3.1	15	<0.1	0.5	0.1	76	0.16	0.025	10
200357	Soil	1.0	50.1	6.8	62	<0.1	56.5	15.9	346	2.59	4.2	1.0	4.1	24	<0.1	0.1	<0.1	61	0.52	0.026	13
200773	Soil	1.1	15.2	9.4	60	<0.1	18.3	9.8	876	2.85	8.1	<0.5	2.7	12	<0.1	0.5	0.1	77	0.13	0.026	10
200768	Soil	1.1	17.8	9.2	47	<0.1	17.9	8.8	363	2.59	8.0	2.1	3.2	19	0.1	0.7	0.1	63	0.27	0.031	11



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200783	Soil	42	0.70	338	0.078	2	2.15	0.015	0.10	0.3	0.05	7.3	0.2	<0.05	7	<0.5	<0.2
200753	Soil	26	0.47	221	0.083	2	1.82	0.010	0.13	0.2	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
200760	Soil	30	0.47	360	0.064	1	1.64	0.010	0.10	<0.1	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
200758	Soil	18	0.24	193	0.048	1	1.20	0.006	0.04	0.2	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
200776	Soil	21	0.34	125	0.076	1	1.24	0.011	0.06	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
200751	Soil	27	0.44	183	0.090	1	1.86	0.011	0.08	0.2	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
200747	Soil	27	0.51	321	0.077	2	1.49	0.016	0.18	0.5	0.02	4.2	0.1	<0.05	5	<0.5	<0.2
200764	Soil	33	0.46	257	0.054	<1	1.91	0.008	0.08	0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
200359	Soil	37	0.47	307	0.089	1	1.81	0.017	0.05	0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
200762	Soil	41	0.50	236	0.072	<1	1.99	0.010	0.06	0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
200780	Soil	34	0.52	245	0.079	1	2.17	0.010	0.07	0.2	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
200761	Soil	27	0.34	223	0.059	<1	1.56	0.009	0.05	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
200774	Soil	26	0.29	129	0.055	<1	1.43	0.007	0.04	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
200354	Soil	34	0.49	179	0.079	<1	2.10	0.007	0.07	0.1	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
200352	Soil	30	0.51	229	0.074	2	1.86	0.010	0.06	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
200329	Soil	37	0.49	226	0.077	<1	1.75	0.011	0.12	0.2	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
200365	Soil	30	0.50	365	0.069	1	1.93	0.014	0.08	0.3	0.05	5.1	<0.1	<0.05	6	<0.5	<0.2
200353	Soil	23	0.60	160	0.147	<1	1.62	0.009	0.34	0.2	0.03	3.9	0.3	<0.05	8	<0.5	<0.2
200363	Soil	39	0.70	230	0.110	1	1.96	0.011	0.19	0.9	0.02	5.1	0.2	<0.05	8	<0.5	<0.2
200355	Soil	33	0.50	200	0.079	<1	1.73	0.009	0.07	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
200338	Soil	34	0.48	320	0.065	2	1.79	0.009	0.14	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
200364	Soil	38	0.52	165	0.094	<1	1.79	0.009	0.10	0.6	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
200351	Soil	33	0.51	198	0.070	2	1.68	0.011	0.08	0.1	0.04	4.6	0.1	<0.05	6	<0.5	<0.2
200358	Soil	37	0.45	245	0.086	1	1.58	0.013	0.05	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
200335	Soil	31	0.48	216	0.055	1	1.72	0.008	0.05	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
200361	Soil	46	0.77	234	0.116	2	1.90	0.011	0.15	0.2	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
200336	Soil	34	0.46	283	0.065	1	2.20	0.007	0.05	0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
200357	Soil	179	1.34	170	0.147	<1	1.87	0.010	0.16	0.1	0.01	4.9	0.2	<0.05	6	<0.5	<0.2
200773	Soil	33	0.39	244	0.057	<1	1.96	0.009	0.03	0.1	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
200768	Soil	31	0.44	235	0.056	<1	1.61	0.012	0.07	0.1	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
200767	Soil	3.5	12.8	7.8	46	0.2	11.0	12.5	792	2.37	5.1	1.2	4.3	17	<0.1	0.3	0.1	56	0.27	0.060	9
200769	Soil	0.9	18.1	7.8	43	<0.1	19.3	7.6	296	2.49	7.8	3.6	5.8	19	<0.1	0.4	<0.1	64	0.27	0.016	16
200782	Soil	1.1	14.5	10.2	62	<0.1	16.1	10.1	524	2.85	8.8	3.1	2.4	21	0.2	0.4	0.2	68	0.33	0.044	9
200754	Soil	1.4	24.5	9.3	50	0.2	17.6	8.4	1049	2.68	5.2	3.3	6.2	32	<0.1	0.4	0.5	65	0.35	0.050	37
200771	Soil	0.7	11.7	6.3	40	<0.1	11.3	6.8	1025	1.85	3.3	4.0	3.7	16	<0.1	0.3	0.4	48	0.19	0.022	20
200759	Soil	1.4	18.4	12.2	46	0.7	6.9	4.7	450	2.00	5.0	2.2	4.1	12	<0.1	5.3	0.7	35	0.14	0.024	12
200763	Soil	0.9	14.8	7.1	46	<0.1	18.6	9.2	717	2.54	7.2	4.0	3.7	19	0.1	0.5	0.2	59	0.22	0.030	9
200748	Soil	1.1	14.3	6.9	42	0.3	9.9	5.9	613	1.60	3.2	8.3	1.6	16	0.1	0.2	0.2	42	0.22	0.060	12
200756	Soil	0.7	8.4	5.8	48	<0.1	7.2	5.1	387	2.29	3.2	1.4	5.4	11	<0.1	0.2	0.2	45	0.12	0.053	11
200779	Soil	1.8	26.4	10.1	58	0.2	19.8	27.2	4156	3.11	8.8	5.7	3.4	23	0.1	0.5	0.3	73	0.27	0.051	15
200757	Soil	1.0	10.8	8.5	42	<0.1	13.7	7.6	328	2.61	7.4	1.8	3.6	13	<0.1	0.5	0.2	67	0.12	0.023	8
200781	Soil	1.2	24.8	12.0	65	0.3	18.9	13.9	825	3.16	8.3	1.8	2.4	28	0.2	0.4	0.3	69	0.40	0.062	14
200772	Soil	1.0	10.6	8.1	52	<0.1	15.2	10.7	1586	2.56	6.2	0.9	3.3	17	<0.1	0.4	0.4	66	0.20	0.032	9
200777	Soil	0.8	14.2	7.9	46	<0.1	10.3	5.4	307	2.01	4.4	3.8	4.2	17	<0.1	0.2	0.2	47	0.22	0.039	17
202816	Soil	0.6	20.9	6.9	45	<0.1	17.7	7.3	391	1.75	5.2	5.1	0.9	60	0.3	0.4	0.2	44	2.53	0.067	10
202820	Soil	1.0	18.4	11.4	44	0.1	13.8	6.7	369	1.59	4.7	9.5	1.4	60	0.2	0.4	0.2	37	1.78	0.061	8
200789	Soil	0.7	21.7	7.6	48	<0.1	19.3	7.7	333	1.87	5.8	3.5	1.7	37	0.2	0.4	0.1	46	1.67	0.053	10
201905	Soil	0.9	20.0	7.9	43	<0.1	16.8	8.0	371	1.96	5.4	4.3	2.6	37	0.2	0.5	0.2	48	0.73	0.043	12
200348	Soil	0.9	17.1	7.5	63	<0.1	15.8	8.8	471	2.37	6.5	1.2	3.5	33	0.2	0.4	0.2	60	0.61	0.060	18
202801	Soil	0.7	15.0	6.2	45	0.1	9.9	6.2	211	1.97	4.2	0.7	1.3	28	<0.1	0.2	0.1	58	0.35	0.038	8
200368	Soil	0.6	22.2	8.2	48	<0.1	20.2	8.7	388	2.13	8.0	4.9	2.5	31	0.1	0.5	0.2	56	0.95	0.065	12
201903	Soil	0.4	20.6	8.1	52	0.1	18.6	8.1	326	1.96	6.0	6.9	2.1	39	0.2	0.4	0.2	52	1.15	0.053	11
200373	Soil	1.2	27.4	14.6	75	0.2	14.1	9.7	535	2.78	7.4	3.2	3.5	25	0.1	0.3	0.1	55	0.91	0.044	36
200787	Soil	0.6	21.3	7.5	49	<0.1	18.3	8.1	319	2.00	6.3	4.3	2.0	38	0.1	0.5	0.2	54	1.35	0.066	11
202802	Soil	0.4	25.5	4.8	110	<0.1	16.8	10.6	413	3.20	3.7	1.0	1.5	46	<0.1	0.1	<0.1	94	0.63	0.136	8
200371	Soil	0.6	15.8	5.2	44	<0.1	15.6	5.6	218	1.45	5.2	2.6	1.2	39	0.2	0.3	0.1	44	2.17	0.058	9
200374	Soil	0.5	24.6	8.2	73	0.1	16.5	10.8	674	2.62	5.7	2.1	3.1	31	0.1	0.3	0.1	56	0.84	0.068	20
200785	Soil	1.2	21.5	9.0	52	<0.1	18.3	8.2	390	2.23	6.9	6.6	2.9	31	<0.1	0.4	0.2	57	0.67	0.060	13
200790	Soil	1.0	19.4	5.5	38	<0.1	18.7	6.4	342	1.41	5.5	4.3	1.5	51	0.3	0.3	<0.1	41	4.25	0.056	9
200370	Soil	0.5	17.1	5.3	41	<0.1	16.2	6.3	268	1.59	5.7	2.3	1.4	39	0.2	0.4	0.1	42	1.91	0.057	9



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200767	Soil	22	0.31	292	0.051	1	1.44	0.014	0.08	0.2	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
200769	Soil	32	0.46	241	0.068	<1	1.65	0.011	0.05	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
200782	Soil	36	0.51	272	0.075	1	1.68	0.010	0.12	0.2	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
200754	Soil	25	0.40	341	0.079	2	1.95	0.012	0.11	0.2	0.03	4.6	0.1	<0.05	7	<0.5	<0.2
200771	Soil	17	0.34	276	0.052	<1	1.11	0.010	0.05	0.2	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
200759	Soil	12	0.18	237	0.021	2	0.69	0.005	0.10	0.2	0.13	1.6	<0.1	<0.05	3	<0.5	<0.2
200763	Soil	27	0.43	346	0.060	<1	1.42	0.010	0.07	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
200748	Soil	16	0.24	231	0.054	<1	0.85	0.009	0.10	0.2	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
200756	Soil	14	0.36	139	0.089	1	1.34	0.009	0.17	0.1	0.02	3.3	0.2	<0.05	8	<0.5	<0.2
200779	Soil	32	0.41	425	0.066	1	2.20	0.012	0.05	0.2	0.04	5.1	0.2	<0.05	7	<0.5	<0.2
200757	Soil	27	0.40	197	0.057	<1	1.81	0.007	0.04	0.2	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
200781	Soil	33	0.44	349	0.066	1	2.45	0.010	0.08	0.2	0.04	4.5	<0.1	<0.05	8	<0.5	<0.2
200772	Soil	25	0.36	372	0.045	<1	1.63	0.008	0.04	0.1	0.01	2.8	0.1	<0.05	6	<0.5	<0.2
200777	Soil	19	0.37	162	0.070	<1	1.40	0.009	0.08	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
202816	Soil	21	0.41	349	0.034	3	1.01	0.016	0.05	0.5	0.04	2.8	<0.1	0.09	3	0.8	<0.2
202820	Soil	20	0.36	524	0.037	3	0.98	0.015	0.05	1.1	0.03	2.4	<0.1	0.12	3	0.6	<0.2
200789	Soil	24	0.76	265	0.044	3	1.17	0.017	0.05	0.5	0.04	3.1	<0.1	0.07	3	0.5	<0.2
201905	Soil	22	0.38	386	0.051	1	1.22	0.016	0.04	0.4	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
200348	Soil	25	0.52	242	0.067	1	1.37	0.015	0.10	0.2	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
202801	Soil	20	0.62	146	0.080	<1	1.46	0.010	0.08	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
200368	Soil	25	0.50	253	0.053	2	1.17	0.017	0.05	0.6	0.03	3.5	<0.1	<0.05	3	0.6	<0.2
201903	Soil	24	0.45	337	0.049	1	1.29	0.017	0.05	0.7	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
200373	Soil	19	0.82	239	0.078	<1	1.42	0.011	0.21	0.1	0.04	8.3	0.2	<0.05	6	0.7	<0.2
200787	Soil	24	0.49	316	0.049	2	1.21	0.016	0.05	0.7	0.07	3.2	<0.1	0.07	4	0.5	<0.2
202802	Soil	30	1.30	235	0.159	<1	2.21	0.009	0.55	<0.1	<0.01	3.4	0.2	<0.05	8	<0.5	<0.2
200371	Soil	21	0.86	171	0.039	3	0.85	0.014	0.05	0.4	0.03	2.3	<0.1	0.06	2	<0.5	<0.2
200374	Soil	23	0.87	244	0.090	1	1.57	0.014	0.18	0.1	0.04	6.3	0.1	0.06	5	<0.5	<0.2
200785	Soil	25	0.41	289	0.053	1	1.33	0.015	0.04	1.0	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
200790	Soil	21	1.81	180	0.035	2	0.83	0.011	0.04	0.8	0.04	2.6	<0.1	<0.05	2	<0.5	<0.2
200370	Soil	20	0.77	188	0.042	2	0.89	0.015	0.05	0.5	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202829	Soil	0.9	26.5	15.2	48	0.1	19.4	8.9	410	2.15	7.2	9.3	2.4	41	0.1	0.6	0.2	46	1.22	0.042	14
203853	Soil	0.8	22.0	9.0	53	0.1	16.5	7.7	506	1.85	6.6	11.0	2.0	40	0.3	0.4	0.2	42	2.05	0.056	14
202830	Soil	1.1	29.1	14.8	47	0.2	23.3	9.2	515	2.21	9.5	6.9	1.6	45	0.2	0.7	0.2	45	2.48	0.053	14
204438	Soil	1.1	18.3	14.6	74	0.1	16.0	7.8	379	2.59	6.2	4.5	6.4	26	0.1	0.4	0.2	57	0.45	0.063	38
202854	Soil	0.6	30.5	8.7	57	0.1	24.7	9.4	572	2.39	7.9	6.1	3.2	31	0.2	0.6	0.1	59	1.34	0.062	13
203846	Soil	1.2	23.0	9.1	41	0.1	17.5	9.5	543	1.92	5.6	19.3	2.4	46	0.1	0.5	0.1	51	1.11	0.058	12
204434	Soil	1.0	16.6	10.2	60	<0.1	17.2	8.4	335	2.87	7.6	1.6	8.3	23	<0.1	0.4	0.2	72	0.43	0.041	34
204426	Soil	1.2	14.7	9.2	71	0.1	15.4	6.8	282	2.79	6.7	53.4	7.0	22	<0.1	0.3	0.2	68	0.38	0.040	29
202969	Soil	1.0	10.5	7.4	45	<0.1	12.7	6.0	231	2.30	5.8	2.8	3.5	16	<0.1	0.3	0.1	60	0.22	0.026	9
204435	Soil	0.8	18.5	9.8	51	<0.1	16.7	8.2	327	2.50	6.6	4.5	7.7	24	<0.1	0.4	0.3	62	0.39	0.041	22
204428	Soil	1.2	15.2	7.9	60	<0.1	14.6	8.0	347	2.68	5.2	1.9	9.6	20	<0.1	0.4	0.5	61	0.39	0.041	23
202849	Soil	1.4	18.6	14.2	82	<0.1	10.9	8.8	430	2.96	7.9	1.0	3.5	37	<0.1	0.3	0.2	72	0.52	0.081	14
204407	Soil	2.7	23.2	11.9	91	<0.1	13.3	10.5	1090	3.09	15.8	6.2	3.0	35	0.1	0.5	0.2	76	0.72	0.108	35
203879	Soil	0.7	31.8	10.3	49	0.2	21.6	9.5	402	2.27	6.6	409.4	3.6	38	0.1	0.5	0.3	56	0.88	0.052	14
200966	Soil	0.5	28.8	6.0	99	0.2	15.8	14.8	944	2.83	3.6	3.4	2.3	46	0.2	0.3	0.1	77	1.76	0.075	26
201931	Soil	0.7	22.0	10.1	58	<0.1	16.8	9.1	258	2.48	6.1	3.9	3.3	25	<0.1	0.3	0.1	66	0.42	0.063	12
204401	Soil	0.9	27.5	8.1	49	0.1	21.7	8.4	297	2.29	17.9	2.3	2.9	33	0.1	0.5	0.1	59	0.75	0.055	13
204402	Soil	0.9	22.4	7.4	46	<0.1	17.4	8.1	305	2.18	15.0	2.0	2.6	31	0.1	0.5	0.1	56	0.66	0.058	12
203871	Soil	1.4	47.1	71.9	86	0.2	30.7	13.9	705	3.16	23.1	6.7	4.1	36	0.8	1.6	0.2	68	1.51	0.077	26
202857	Soil	0.6	29.8	8.9	49	<0.1	23.8	9.9	381	2.57	7.9	3.5	4.6	30	<0.1	0.5	0.2	65	0.59	0.046	16
204409	Soil	0.6	16.7	7.1	67	<0.1	18.5	9.2	425	2.23	6.5	3.1	2.7	40	0.1	0.4	0.1	60	0.97	0.075	13
204404	Soil	1.1	19.2	8.7	52	<0.1	17.2	9.0	300	2.50	12.0	4.7	3.7	27	<0.1	0.4	0.1	70	0.48	0.056	12
200796	Soil	0.3	23.2	4.8	62	<0.1	15.2	10.0	800	2.02	4.9	1.9	1.5	54	0.2	0.4	0.1	53	1.77	0.081	14
202848	Soil	1.1	17.4	11.4	61	<0.1	13.3	8.8	337	2.58	6.6	2.6	3.3	29	<0.1	0.3	0.1	69	0.49	0.066	14
200792	Soil	0.5	18.4	4.6	56	<0.1	9.6	8.7	606	2.11	2.8	1.5	1.3	36	0.1	0.2	0.1	57	1.10	0.056	28
203861	Soil	0.5	24.6	7.0	76	0.1	16.0	11.0	946	2.66	5.0	1.1	3.1	27	0.1	0.4	0.1	74	0.61	0.071	20
201901	Soil	0.4	21.1	8.6	56	<0.1	18.2	6.7	178	1.85	5.4	5.5	1.7	37	0.2	0.4	0.1	49	1.52	0.060	10
204403	Soil	1.0	21.9	8.3	46	<0.1	19.7	9.9	457	2.22	13.1	1.9	3.2	30	0.1	0.4	0.1	60	0.59	0.052	12
202846	Soil	1.0	18.7	7.9	54	<0.1	15.4	10.2	683	2.77	5.7	4.0	3.8	33	<0.1	0.3	<0.1	72	0.68	0.086	14
200788	Soil	0.7	24.3	8.0	51	<0.1	20.4	9.3	394	2.17	6.7	13.8	2.1	37	0.1	0.4	0.1	59	1.49	0.056	12



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202829	Soil	27	0.45	509	0.034	3	1.32	0.015	0.07	0.4	0.07	3.8	<0.1	<0.05	4	<0.5	<0.2
203853	Soil	19	0.52	260	0.039	2	1.01	0.013	0.06	1.5	0.06	3.2	<0.1	0.07	3	<0.5	<0.2
202830	Soil	22	0.52	439	0.034	3	1.15	0.015	0.07	0.6	0.10	3.1	<0.1	0.09	3	0.5	<0.2
204438	Soil	28	0.48	313	0.059	2	1.85	0.012	0.07	0.2	0.05	4.8	0.1	<0.05	6	<0.5	<0.2
202854	Soil	27	0.66	274	0.054	2	1.32	0.021	0.06	0.6	0.07	4.1	<0.1	<0.05	4	<0.5	<0.2
203846	Soil	23	0.40	642	0.048	1	1.19	0.016	0.04	2.9	0.04	3.3	<0.1	0.05	3	0.8	<0.2
204434	Soil	33	0.47	299	0.069	<1	2.05	0.009	0.05	0.2	0.02	4.8	0.1	<0.05	7	<0.5	<0.2
204426	Soil	28	0.49	246	0.077	1	2.03	0.011	0.08	0.2	0.02	4.1	0.1	<0.05	8	<0.5	<0.2
202969	Soil	26	0.38	164	0.065	<1	1.52	0.008	0.05	0.2	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
204435	Soil	31	0.45	266	0.073	2	1.76	0.011	0.05	0.2	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
204428	Soil	29	0.51	194	0.078	1	1.82	0.010	0.08	0.2	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
202849	Soil	19	0.76	229	0.075	2	1.52	0.008	0.31	0.1	0.02	5.2	0.2	<0.05	7	<0.5	<0.2
204407	Soil	21	0.58	452	0.050	3	1.44	0.008	0.37	0.1	0.09	5.7	0.2	<0.05	7	<0.5	<0.2
203879	Soil	27	0.43	374	0.056	2	1.31	0.019	0.04	1.4	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
200966	Soil	24	1.46	422	0.125	3	1.75	0.013	0.42	0.1	0.03	11.7	0.2	0.07	7	0.6	<0.2
201931	Soil	26	0.55	282	0.085	<1	1.48	0.014	0.16	0.2	0.02	4.8	0.1	<0.05	5	<0.5	<0.2
204401	Soil	27	0.49	265	0.064	2	1.31	0.021	0.06	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
204402	Soil	24	0.47	223	0.058	2	1.26	0.018	0.05	0.2	0.03	3.9	<0.1	<0.05	4	0.6	<0.2
203871	Soil	26	0.48	286	0.039	4	1.19	0.013	0.06	0.9	0.27	7.7	0.1	<0.05	4	0.8	<0.2
202857	Soil	32	0.52	352	0.070	1	1.67	0.018	0.06	0.5	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
204409	Soil	27	0.55	184	0.069	2	1.22	0.022	0.09	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
204404	Soil	29	0.49	225	0.078	1	1.47	0.017	0.07	0.2	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
200796	Soil	22	0.70	246	0.073	2	1.20	0.012	0.16	0.1	0.04	3.9	0.1	0.05	4	<0.5	<0.2
202848	Soil	25	0.64	224	0.097	1	1.59	0.012	0.13	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
200792	Soil	18	0.70	243	0.090	1	1.30	0.012	0.22	<0.1	0.04	4.5	0.1	<0.05	5	<0.5	<0.2
203861	Soil	26	0.53	269	0.075	2	1.54	0.013	0.08	0.1	0.06	6.1	<0.1	<0.05	7	<0.5	<0.2
201901	Soil	24	0.49	241	0.047	3	1.10	0.018	0.06	0.7	0.06	3.2	<0.1	<0.05	3	0.6	<0.2
204403	Soil	26	0.46	264	0.062	1	1.31	0.018	0.05	0.2	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
202846	Soil	22	0.74	246	0.114	2	1.54	0.016	0.26	0.2	0.02	5.3	0.2	<0.05	6	<0.5	<0.2
200788	Soil	26	0.77	286	0.053	1	1.34	0.020	0.05	0.5	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
204432	Soil	1.2	25.0	7.7	52	<0.1	16.2	9.4	296	2.57	6.1	1.3	7.6	17	<0.1	0.4	0.2	66	0.27	0.039	25
204420	Soil	0.8	13.7	8.3	50	<0.1	14.0	7.2	299	2.28	5.5	3.4	6.4	21	<0.1	0.3	0.2	63	0.36	0.033	20
202916	Soil	0.4	19.4	6.6	50	<0.1	17.3	6.8	339	1.72	5.5	1.6	1.4	43	0.2	0.4	0.1	48	1.97	0.061	9
201030	Soil	0.4	16.0	5.6	50	<0.1	15.0	7.3	378	1.73	8.3	1.8	1.2	44	0.2	0.4	0.1	42	2.22	0.061	9
201023	Soil	0.6	23.8	10.4	63	0.1	17.8	9.1	448	2.20	6.1	1.8	1.7	38	0.2	0.4	0.2	52	1.82	0.053	12
204405	Soil	1.1	18.9	8.4	162	<0.1	9.5	11.1	920	3.88	15.4	<0.5	7.4	25	<0.1	0.2	<0.1	91	0.72	0.239	24
202936	Soil	0.6	22.9	8.0	60	0.1	22.1	9.6	485	2.14	7.7	2.6	1.9	32	0.2	0.5	0.1	54	1.26	0.059	10
202942	Soil	0.3	19.0	7.4	61	<0.1	18.9	8.4	490	1.95	6.6	2.1	1.6	42	0.3	0.5	0.1	47	1.87	0.065	10
204406	Soil	3.4	25.4	11.1	161	<0.1	14.1	16.7	2759	4.45	13.7	<0.5	9.5	37	0.2	0.3	0.3	111	0.84	0.212	38
201045	Soil	0.8	20.8	7.5	47	<0.1	16.7	9.2	279	2.36	9.7	3.5	3.6	27	<0.1	0.4	0.2	60	0.48	0.051	13
202931	Soil	1.4	19.8	7.3	50	<0.1	15.9	8.9	395	2.43	14.2	2.3	3.3	23	<0.1	0.3	0.1	66	0.46	0.049	12
202852	Soil	0.5	28.1	28.0	55	0.1	22.9	8.7	408	2.26	8.3	2.9	2.5	42	0.3	0.6	0.2	61	1.82	0.058	13
200367	Soil	0.8	18.1	8.2	51	<0.1	16.7	7.6	322	1.98	6.7	9.0	2.7	28	0.1	0.4	0.1	54	0.76	0.054	11
201033	Soil	0.3	15.3	6.0	46	<0.1	13.3	6.6	417	1.57	5.1	1.1	0.9	41	0.2	0.4	0.1	39	2.32	0.055	10
202914	Soil	0.8	20.8	10.2	59	<0.1	18.1	10.1	525	2.54	6.7	1.2	3.6	28	<0.1	0.3	0.1	59	0.76	0.044	14
202938	Soil	0.5	22.8	7.5	52	<0.1	20.4	8.5	267	2.16	7.0	4.5	2.2	37	0.1	0.5	0.3	51	1.22	0.051	11
200393	Soil	0.3	18.6	4.6	55	<0.1	13.5	9.1	527	2.08	3.0	4.4	1.7	44	0.1	0.4	0.3	53	1.53	0.065	10
200398	Soil	1.9	32.3	2.6	17	0.2	8.8	5.3	978	0.82	1.7	4.3	0.2	100	0.2	0.5	0.3	17	2.98	0.069	10
202010	Soil	0.8	20.6	9.2	57	0.2	15.7	9.1	710	2.27	3.9	4.8	7.8	30	0.1	0.4	0.2	44	0.61	0.064	82
202827	Soil	0.7	32.6	12.8	50	0.1	23.0	8.7	370	2.23	6.2	13.7	3.3	40	0.2	0.6	0.2	56	0.99	0.052	14
202851	Soil	0.4	21.4	12.7	46	<0.1	19.2	7.8	361	1.94	6.7	3.3	1.6	46	0.3	0.5	0.2	51	1.69	0.056	10
202937	Soil	0.6	21.1	7.7	56	<0.1	20.6	10.8	520	2.21	9.3	4.3	2.3	36	0.2	0.5	0.2	55	1.09	0.058	11
204408	Soil	0.6	15.9	6.5	50	<0.1	12.2	6.2	232	1.83	7.0	3.4	1.8	43	<0.1	0.3	0.1	49	1.17	0.073	10
202034	Soil	1.1	33.3	9.9	48	<0.1	23.7	12.3	314	3.08	10.1	6.1	12.2	17	<0.1	0.6	0.2	71	0.18	0.034	19
202856	Soil	0.8	26.9	9.3	47	<0.1	23.2	11.0	498	2.55	8.6	5.6	4.2	29	<0.1	0.5	0.2	70	0.57	0.048	15
202921	Soil	0.4	13.8	6.0	49	<0.1	13.8	7.3	357	1.75	8.3	6.9	1.5	33	0.2	0.4	0.1	48	1.87	0.065	11
202022	Soil	0.7	16.4	8.7	60	<0.1	16.4	8.9	277	2.45	7.0	11.3	4.8	20	0.1	0.5	0.1	69	0.29	0.054	13
202031	Soil	0.7	17.1	11.5	57	<0.1	15.2	8.8	265	2.80	7.3	3.2	7.5	20	<0.1	0.4	0.2	69	0.29	0.042	22
202850	Soil	0.8	25.3	9.6	53	<0.1	21.7	9.3	468	2.22	10.0	5.7	1.6	44	0.4	0.5	0.1	57	1.71	0.061	13
202855	Soil	0.7	33.6	8.6	48	<0.1	23.0	8.7	295	2.33	7.8	5.8	3.3	33	<0.1	0.5	0.1	60	0.66	0.052	14



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
204432	Soil	31	0.49	190	0.087	2	1.74	0.009	0.07	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
204420	Soil	29	0.41	266	0.072	<1	1.53	0.011	0.05	0.3	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
202916	Soil	22	0.39	267	0.046	2	1.12	0.017	0.04	0.2	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
201030	Soil	20	0.39	251	0.041	3	1.08	0.017	0.03	0.2	0.07	3.1	<0.1	0.08	3	0.8	<0.2
201023	Soil	24	0.55	215	0.053	2	1.30	0.016	0.05	0.1	0.05	3.8	<0.1	0.05	4	<0.5	<0.2
204405	Soil	19	1.17	274	0.106	<1	1.74	0.006	1.02	<0.1	<0.01	6.6	0.4	<0.05	12	<0.5	<0.2
202936	Soil	25	0.46	260	0.053	2	1.27	0.021	0.06	0.2	0.07	3.6	<0.1	<0.05	4	<0.5	<0.2
202942	Soil	25	0.49	240	0.045	3	1.16	0.016	0.05	0.1	0.05	3.2	<0.1	<0.05	3	0.6	<0.2
204406	Soil	28	1.24	730	0.078	<1	2.11	0.008	0.73	<0.1	0.02	8.1	0.3	<0.05	13	<0.5	<0.2
201045	Soil	27	0.49	221	0.074	1	1.43	0.019	0.05	0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
202931	Soil	27	0.56	168	0.073	<1	1.52	0.012	0.11	0.2	0.01	4.2	0.1	<0.05	5	<0.5	<0.2
202852	Soil	27	0.77	280	0.056	3	1.33	0.023	0.06	0.3	0.18	3.7	<0.1	<0.05	4	<0.5	<0.2
200367	Soil	25	0.50	231	0.059	1	1.28	0.017	0.06	0.4	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
201033	Soil	18	0.31	221	0.030	3	1.00	0.014	0.03	<0.1	0.05	2.5	<0.1	0.07	3	0.6	<0.2
202914	Soil	25	0.50	352	0.066	1	1.51	0.016	0.08	0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
202938	Soil	26	0.49	244	0.060	3	1.37	0.025	0.05	0.1	0.05	3.6	<0.1	<0.05	4	0.6	<0.2
200393	Soil	22	0.84	255	0.098	3	1.39	0.017	0.28	0.1	0.03	3.7	0.1	<0.05	4	0.7	<0.2
200398	Soil	9	0.21	596	0.021	3	0.59	0.017	0.04	<0.1	0.05	1.1	<0.1	0.12	2	1.7	<0.2
202010	Soil	30	0.34	246	0.062	2	1.46	0.011	0.08	0.3	0.05	5.2	<0.1	<0.05	4	<0.5	<0.2
202827	Soil	30	0.44	609	0.058	2	1.33	0.018	0.07	1.3	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
202851	Soil	23	0.55	263	0.047	3	1.15	0.023	0.04	0.2	0.08	3.1	<0.1	<0.05	3	0.6	<0.2
202937	Soil	25	0.46	280	0.059	<1	1.28	0.024	0.05	0.1	0.07	3.7	<0.1	<0.05	4	<0.5	<0.2
204408	Soil	21	0.45	184	0.060	2	1.02	0.018	0.10	0.2	0.03	3.6	<0.1	0.05	3	0.5	<0.2
202034	Soil	41	0.49	180	0.068	2	2.41	0.013	0.05	0.2	0.04	5.0	0.1	<0.05	5	<0.5	<0.2
202856	Soil	34	0.51	319	0.075	2	1.68	0.021	0.06	0.3	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
202921	Soil	20	0.39	202	0.047	2	1.06	0.016	0.04	0.2	0.08	3.1	<0.1	<0.05	3	0.7	<0.2
202022	Soil	30	0.48	135	0.085	1	1.47	0.016	0.06	0.2	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
202031	Soil	28	0.50	186	0.082	1	1.93	0.010	0.09	0.2	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
202850	Soil	26	0.53	280	0.044	3	1.15	0.022	0.06	0.4	0.18	3.7	<0.1	<0.05	3	0.8	<0.2
202855	Soil	29	0.51	262	0.063	<1	1.38	0.024	0.06	0.3	0.05	4.5	<0.1	<0.05	4	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: August 28, 2017

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CERTIFICATE OF ANALYSIS

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202026	Soil	0.8	39.6	9.4	49	<0.1	24.3	12.6	414	3.01	9.0	5.0	6.9	23	<0.1	0.6	0.2	80	0.25	0.013	24
202024	Soil	0.8	23.4	9.5	56	<0.1	19.3	9.1	252	2.51	6.4	2.4	5.5	26	0.1	0.5	0.2	69	0.36	0.044	19
202826	Soil	0.9	37.2	12.5	48	0.1	24.1	11.0	379	2.38	8.0	16.7	3.3	37	0.1	0.6	0.2	60	0.97	0.051	15
202853	Soil	0.5	27.5	8.5	53	0.1	23.1	9.2	437	2.32	8.0	4.2	2.8	34	0.2	0.5	0.1	65	0.97	0.058	13
202831	Soil	0.4	10.5	5.1	65	<0.1	15.8	11.9	470	2.55	2.7	1.9	2.1	32	<0.1	0.2	<0.1	65	0.76	0.039	8
202005	Soil	1.1	20.9	9.1	56	0.2	15.9	8.5	423	2.19	4.8	3.7	3.5	31	0.2	0.3	0.2	53	0.42	0.065	33
202023	Soil	0.7	21.7	9.8	60	<0.1	17.7	9.1	295	2.67	6.9	3.4	6.8	24	0.1	0.4	0.1	67	0.38	0.055	20
202008	Soil	0.8	14.3	8.0	54	<0.1	13.6	7.2	306	2.19	5.1	4.5	7.1	22	<0.1	0.4	0.2	53	0.34	0.047	20
202858	Soil	0.8	34.0	10.4	50	0.2	25.2	10.4	361	2.65	8.1	14.8	5.0	27	<0.1	0.5	0.3	69	0.59	0.043	18
200798	Soil	0.4	37.9	6.4	82	<0.1	23.9	13.3	593	2.87	3.6	1.9	2.6	38	<0.1	0.2	<0.1	78	1.29	0.102	19
202004	Soil	1.3	20.7	9.7	57	<0.1	19.9	10.0	291	2.95	6.8	2.5	6.5	26	<0.1	0.5	0.2	77	0.37	0.026	19
202032	Soil	1.2	26.1	12.9	71	<0.1	18.5	11.0	368	3.70	8.2	3.2	12.6	16	<0.1	0.5	0.2	80	0.22	0.036	20
202905	Soil	1.2	22.0	12.1	53	0.3	15.3	10.4	323	2.39	5.8	3.7	3.3	26	0.1	0.3	0.3	57	0.37	0.046	16
202844	Soil	0.4	17.3	16.0	133	<0.1	15.5	14.9	339	3.99	4.9	2.1	3.9	29	<0.1	0.3	0.1	102	0.58	0.149	11
202007	Soil	1.1	19.6	9.1	70	0.1	17.0	9.3	409	2.52	6.3	10.0	4.5	26	0.2	0.3	0.2	61	0.41	0.066	29
202012	Soil	1.1	17.2	9.3	98	<0.1	12.6	8.3	466	2.79	3.3	1.3	13.2	19	<0.1	0.3	0.1	56	0.32	0.066	61
200995	Soil	0.6	31.8	8.9	56	<0.1	24.4	10.1	320	2.77	7.4	3.6	5.4	34	<0.1	0.5	0.4	65	0.53	0.050	18
201038	Soil	0.3	17.9	6.2	86	<0.1	15.7	16.2	432	3.17	4.5	2.7	2.4	24	<0.1	0.2	<0.1	107	0.58	0.075	13
202014	Soil	0.4	7.5	6.3	23	<0.1	4.0	1.7	70	0.91	1.6	4.7	0.9	11	<0.1	0.1	0.1	39	0.13	0.016	15
202020	Soil	0.7	17.5	11.7	53	<0.1	14.8	8.4	243	2.49	6.1	3.1	9.2	19	<0.1	0.4	0.2	63	0.29	0.038	29



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202026	Soil	47	0.55	295	0.088	<1	2.09	0.016	0.06	0.1	0.06	10.4	<0.1	<0.05	6	<0.5	<0.2
202024	Soil	34	0.48	275	0.082	1	1.67	0.014	0.05	0.2	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
202826	Soil	29	0.46	496	0.064	1	1.34	0.020	0.07	1.0	0.05	4.1	<0.1	<0.05	4	0.6	<0.2
202853	Soil	30	0.57	274	0.064	<1	1.48	0.025	0.06	0.3	0.07	4.1	<0.1	<0.05	4	<0.5	<0.2
202831	Soil	51	1.32	276	0.123	<1	1.92	0.011	0.42	<0.1	0.01	4.5	0.1	<0.05	7	<0.5	<0.2
202005	Soil	27	0.35	269	0.059	2	1.65	0.012	0.07	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
202023	Soil	32	0.49	259	0.086	<1	1.66	0.015	0.06	0.2	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
202008	Soil	29	0.39	195	0.069	<1	1.32	0.011	0.06	0.2	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
202858	Soil	36	0.52	416	0.078	1	1.63	0.019	0.07	1.1	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
200798	Soil	61	1.32	223	0.144	<1	2.09	0.010	0.46	<0.1	0.04	4.3	0.2	<0.05	7	0.6	<0.2
202004	Soil	38	0.49	267	0.098	<1	2.09	0.011	0.06	0.2	0.03	5.7	0.1	<0.05	6	0.5	<0.2
202032	Soil	38	0.54	224	0.087	<1	2.71	0.009	0.12	0.2	0.03	4.5	0.2	<0.05	8	<0.5	<0.2
202905	Soil	32	0.37	287	0.063	2	1.78	0.014	0.07	0.2	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
202844	Soil	33	1.11	180	0.106	<1	2.05	0.008	0.54	<0.1	0.02	3.8	0.2	<0.05	12	<0.5	<0.2
202007	Soil	29	0.44	331	0.064	2	1.68	0.014	0.07	0.2	0.04	4.5	<0.1	<0.05	5	0.5	<0.2
202012	Soil	22	0.49	168	0.084	<1	1.31	0.010	0.19	0.2	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
200995	Soil	38	0.50	310	0.092	<1	1.82	0.021	0.06	0.2	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
201038	Soil	30	1.38	233	0.133	<1	2.00	0.012	0.22	0.1	0.02	6.8	0.1	<0.05	8	<0.5	<0.2
202014	Soil	13	0.11	113	0.038	<1	0.79	0.008	0.06	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
202020	Soil	31	0.50	207	0.092	<1	1.85	0.010	0.07	0.2	0.02	3.9	0.1	<0.05	6	<0.5	<0.2



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PHONE (604) 253-3158

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																				
200333	Soil	0.9	28.4	11.8	64	<0.1	28.7	12.6	350	3.19	10.8	1.5	5.6	26	<0.1	0.4	0.1	71	0.36	0.018
REP 200333	QC	0.9	28.3	11.9	67	<0.1	29.2	13.0	341	3.16	10.7	6.8	5.6	26	<0.1	0.4	0.1	70	0.38	0.017
200905	Soil	0.6	13.8	8.3	72	<0.1	15.8	9.8	620	2.61	4.8	0.6	4.4	25	0.1	0.3	0.2	60	0.46	0.047
REP 200905	QC	0.5	14.5	8.5	73	<0.1	16.5	10.3	664	2.78	4.7	1.7	4.7	26	<0.1	0.3	0.2	61	0.49	0.046
203981	Soil	1.1	12.7	9.3	41	<0.1	15.9	8.1	281	2.61	7.5	0.8	3.3	15	<0.1	0.5	0.1	70	0.20	0.022
REP 203981	QC	0.9	12.4	9.3	41	<0.1	15.6	8.2	275	2.55	7.4	2.9	3.5	15	<0.1	0.5	0.1	69	0.19	0.020
200391	Soil	0.6	18.6	7.6	55	<0.1	22.9	10.2	341	2.60	8.4	2.2	3.9	24	<0.1	0.4	0.1	64	0.40	0.037
REP 200391	QC	0.6	19.0	7.8	56	<0.1	22.6	9.9	346	2.67	8.7	5.7	3.9	23	<0.1	0.4	<0.1	64	0.41	0.036
200337	Soil	0.9	17.5	9.0	58	<0.1	18.6	9.8	303	3.24	9.1	2.1	6.3	14	<0.1	0.5	0.1	72	0.15	0.020
REP 200337	QC	0.9	16.6	8.9	53	<0.1	17.6	9.1	278	3.11	8.7	6.3	5.6	13	<0.1	0.5	0.1	68	0.15	0.019
200329	Soil	0.9	14.6	8.2	54	0.1	17.9	7.2	290	2.58	6.1	1.5	3.4	20	<0.1	0.3	0.1	62	0.35	0.024
REP 200329	QC	1.0	14.1	8.7	56	0.1	18.3	7.3	302	2.64	7.0	1.1	3.4	20	<0.1	0.3	0.1	64	0.36	0.026
201903	Soil	0.4	20.6	8.1	52	0.1	18.6	8.1	326	1.96	6.0	6.9	2.1	39	0.2	0.4	0.2	52	1.15	0.053
REP 201903	QC	0.4	20.3	8.0	52	0.1	18.9	8.5	327	2.00	5.7	7.9	2.2	39	0.2	0.4	0.2	52	1.14	0.054
204403	Soil	1.0	21.9	8.3	46	<0.1	19.7	9.9	457	2.22	13.1	1.9	3.2	30	0.1	0.4	0.1	60	0.59	0.052
REP 204403	QC	1.1	23.1	8.5	49	<0.1	20.6	10.1	483	2.36	14.5	2.9	3.1	32	<0.1	0.5	0.1	62	0.62	0.053
202826	Soil	0.9	37.2	12.5	48	0.1	24.1	11.0	379	2.38	8.0	16.7	3.3	37	0.1	0.6	0.2	60	0.97	0.051
REP 202826	QC	0.9	34.9	12.6	48	0.1	23.2	11.3	378	2.40	7.7	9.7	3.4	38	0.2	0.7	0.2	62	0.94	0.054
Reference Materials																				
STD DS11	Standard	15.8	149.3	145.5	338	1.7	83.6	14.8	1065	3.36	42.4	79.1	7.9	60	2.3	8.2	10.4	57	1.06	0.062
STD DS11	Standard	13.7	156.6	137.6	331	1.7	80.1	14.3	1026	3.17	41.9	71.0	7.3	55	2.3	7.4	9.8	53	1.02	0.067
STD DS11	Standard	14.6	159.8	142.8	352	1.7	83.0	14.4	1023	3.18	43.2	101.0	7.7	58	2.5	7.1	10.1	58	1.05	0.069
STD DS11	Standard	14.5	155.6	141.2	346	1.6	81.1	14.4	1032	3.12	41.3	79.8	7.8	55	2.3	6.9	9.7	54	1.03	0.066
STD DS11	Standard	15.2	160.3	140.8	345	1.6	82.3	14.7	1046	3.23	41.9	67.3	7.7	58	2.0	7.1	9.8	54	1.04	0.068
STD DS11	Standard	13.9	144.1	136.8	334	1.7	82.4	14.0	1041	3.17	41.2	94.0	6.9	62	2.1	8.3	12.3	58	1.06	0.069
STD DS11	Standard	13.8	141.9	138.4	324	1.7	77.9	13.5	1000	3.10	37.8	120.7	7.0	61	2.2	7.7	11.3	51	0.98	0.067
STD DS11	Standard	13.6	139.2	133.1	321	1.6	77.1	13.3	987	3.00	36.5	73.0	6.8	59	2.1	7.4	10.8	54	0.96	0.065
STD DS11	Standard	13.2	136.6	137.9	340	1.7	75.7	13.6	993	3.08	41.0	94.9	6.8	59	2.3	8.5	11.7	54	1.03	0.073



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	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201			
					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																				
200333	Soil	67	0.85	257	0.134	1	2.30	0.012	0.19	0.1	0.02	5.9	0.2	<0.05	7	<0.5	<0.2			
REP 200333	QC	69	0.83	270	0.148	1	2.26	0.011	0.19	0.2	0.01	6.0	0.2	<0.05	8	<0.5	<0.2			
200905	Soil	30	0.76	345	0.075	3	1.57	0.012	0.22	0.3	0.03	4.8	0.1	<0.05	6	<0.5	<0.2			
REP 200905	QC	31	0.80	367	0.080	3	1.64	0.013	0.23	0.3	0.03	4.9	0.2	<0.05	6	<0.5	<0.2			
203981	Soil	31	0.40	173	0.052	<1	1.64	0.009	0.05	0.2	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2			
REP 203981	QC	30	0.39	176	0.053	<1	1.61	0.010	0.05	0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2			
200391	Soil	36	0.67	244	0.081	2	1.63	0.016	0.14	0.2	0.02	4.5	0.1	<0.05	5	<0.5	<0.2			
REP 200391	QC	37	0.68	255	0.078	2	1.59	0.017	0.14	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2			
200337	Soil	37	0.53	198	0.072	1	2.07	0.008	0.09	0.2	0.01	4.2	0.1	<0.05	6	<0.5	<0.2			
REP 200337	QC	35	0.49	187	0.069	1	1.89	0.007	0.09	0.2	0.01	4.1	0.1	<0.05	6	<0.5	<0.2			
200329	Soil	37	0.49	226	0.077	<1	1.75	0.011	0.12	0.2	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2			
REP 200329	QC	39	0.52	231	0.078	1	1.86	0.011	0.12	0.2	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2			
201903	Soil	24	0.45	337	0.049	1	1.29	0.017	0.05	0.7	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2			
REP 201903	QC	25	0.44	346	0.049	2	1.31	0.019	0.05	0.7	0.05	3.3	<0.1	0.05	4	0.5	<0.2			
204403	Soil	26	0.46	264	0.062	1	1.31	0.018	0.05	0.2	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2			
REP 204403	QC	27	0.47	277	0.062	2	1.36	0.019	0.05	0.2	0.03	4.4	<0.1	<0.05	4	0.7	<0.2			
202826	Soil	29	0.46	496	0.064	1	1.34	0.020	0.07	1.0	0.05	4.1	<0.1	<0.05	4	0.6	<0.2			
REP 202826	QC	29	0.47	492	0.067	3	1.39	0.020	0.07	1.0	0.06	4.2	<0.1	<0.05	4	0.8	<0.2			
Reference Materials																				
STD DS11	Standard	65	0.85	390	0.087	7	1.18	0.080	0.39	3.2	0.29	3.1	5.2	0.32	5	2.3	4.9			
STD DS11	Standard	60	0.81	365	0.075	6	1.06	0.071	0.37	3.0	0.25	3.1	4.8	0.27	5	1.9	4.5			
STD DS11	Standard	63	0.83	371	0.082	7	1.11	0.072	0.38	3.0	0.28	3.4	5.1	0.30	5	1.6	4.8			
STD DS11	Standard	61	0.79	359	0.081	7	1.12	0.070	0.38	2.8	0.23	3.3	4.7	0.26	5	2.3	4.3			
STD DS11	Standard	62	0.85	346	0.081	7	1.19	0.081	0.41	2.8	0.24	3.4	4.8	0.29	5	2.2	4.5			
STD DS11	Standard	62	0.79	365	0.083	7	1.07	0.070	0.39	3.1	0.24	3.1	4.9	0.28	5	2.0	4.6			
STD DS11	Standard	59	0.78	347	0.084	8	1.08	0.067	0.37	3.2	0.28	3.3	4.7	0.23	5	2.2	4.6			
STD DS11	Standard	60	0.81	356	0.084	6	1.07	0.066	0.35	3.1	0.27	3.1	4.7	0.24	4	2.4	4.6			
STD DS11	Standard	57	0.84	358	0.078	6	1.09	0.066	0.39	3.3	0.24	3.1	5.1	0.25	5	2.3	4.6			



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

Project:

Rosebute

Report Date:

August 28, 2017

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QUALITY CONTROL REPORT

WHI17000425.1

		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
STD OXC129	Standard	1.3	23.6	6.0	38	<0.1	79.7	20.3	417	2.99	0.8	186.1	1.7	175	<0.1	<0.1	<0.1	54	0.65	0.088	11
STD OXC129	Standard	1.3	27.8	6.4	39	<0.1	82.7	21.2	422	3.08	<0.5	190.4	1.7	181	<0.1	<0.1	<0.1	59	0.64	0.101	12
STD OXC129	Standard	1.3	29.1	6.0	42	<0.1	85.3	21.9	430	3.13	1.1	185.8	1.7	187	<0.1	<0.1	<0.1	59	0.67	0.097	11
STD OXC129	Standard	1.2	27.9	6.4	41	<0.1	85.0	22.1	421	3.20	0.7	200.4	1.7	192	<0.1	<0.1	<0.1	59	0.74	0.098	11
STD OXC129	Standard	1.3	29.0	6.3	43	<0.1	85.2	22.3	435	3.20	1.2	197.5	1.8	187	<0.1	<0.1	<0.1	57	0.67	0.098	12
STD OXC129	Standard	1.4	26.9	5.9	42	<0.1	85.9	22.0	451	3.21	0.5	204.6	1.6	188	<0.1	<0.1	<0.1	57	0.68	0.101	11
STD OXC129	Standard	1.2	26.5	5.9	39	<0.1	82.2	21.9	423	3.14	0.9	198.8	1.6	178	<0.1	<0.1	<0.1	64	0.67	0.102	11
STD OXC129	Standard	1.3	26.0	5.9	40	<0.1	82.9	21.5	423	3.21	1.0	207.0	1.6	182	<0.1	<0.1	<0.1	63	0.66	0.100	11
STD OXC129	Standard	1.1	24.1	5.7	39	<0.1	76.6	19.4	399	2.87	<0.5	192.4	1.6	163	<0.1	<0.1	<0.1	54	0.61	0.096	11
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	6	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	1	0.02	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	9	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	10	<0.01	<0.001	<1



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680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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Report Date: August 28, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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QUALITY CONTROL REPORT

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		AQ201 Cr ppm 1	AQ201 Mg % 0.01	AQ201 Ba ppm 1	AQ201 Ti % 0.001	AQ201 B ppm 1	AQ201 Al % 0.01	AQ201 Na % 0.001	AQ201 K % 0.01	AQ201 W ppm 0.1	AQ201 Hg ppm 0.01	AQ201 Sc ppm 0.1	AQ201 Ti ppm 0.1	AQ201 S % 0.05	AQ201 Ga ppm 1	AQ201 Se ppm 0.5	AQ201 Te ppm 0.2
STD OXC129	Standard	53	1.53	48	0.385	<1	1.49	0.593	0.35	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	54	1.54	49	0.403	<1	1.54	0.618	0.39	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	56	1.57	49	0.392	2	1.56	0.602	0.35	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	56	1.54	49	0.401	<1	1.64	0.593	0.38	<0.1	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	57	1.60	50	0.391	1	1.63	0.599	0.38	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	58	1.58	47	0.435	<1	1.55	0.630	0.40	<0.1	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	57	1.51	46	0.415	<1	1.50	0.578	0.36	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	55	1.52	45	0.407	1	1.52	0.566	0.36	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	50	1.46	46	0.387	<1	1.45	0.524	0.33	<0.1	<0.01	1.3	<0.1	0.05	5	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 01, 2017
Report Date: August 28, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000426.1

CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	10	Dry at 60C			WHI
SS80	10	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	10	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	10	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
202946	Soil	1.1	18.8	18.0	60	0.1	18.7	11.1	559	2.94	19.2	2.4	5.7	31	0.1	0.4	0.2	58	0.48	0.015
200791	Soil	0.5	14.7	7.1	68	<0.1	16.7	8.3	389	2.01	5.1	2.4	2.7	44	0.1	0.4	0.1	46	0.98	0.079
200786	Soil	1.4	24.4	9.1	50	<0.1	18.4	9.3	544	2.03	7.7	4.5	2.4	46	0.3	0.5	0.2	49	1.14	0.063
202947	Soil	1.2	17.1	13.3	65	0.2	21.0	9.1	313	2.83	14.9	2.9	7.7	27	0.1	0.6	0.2	59	0.34	0.054
203880	Soil	0.6	30.1	11.0	53	0.2	18.7	8.4	232	2.20	6.9	326.4	3.8	49	0.2	0.6	0.3	49	1.30	0.061
202859	Soil	0.8	32.1	10.7	47	<0.1	22.3	8.9	281	2.36	7.9	3.1	4.7	31	<0.1	0.6	0.1	57	0.40	0.044
203874	Soil	0.5	31.4	10.8	49	0.1	24.4	9.7	391	2.21	7.9	12.7	3.7	41	0.3	0.7	0.2	49	1.56	0.055
202817	Soil	0.6	18.3	7.6	49	<0.1	16.6	7.1	334	1.73	5.1	6.0	1.6	59	0.3	0.4	0.1	40	2.30	0.062
202815	Soil	1.0	23.2	7.8	49	<0.1	22.1	8.3	367	1.91	6.4	6.1	2.1	51	0.3	0.6	0.1	47	2.61	0.069
202821	Soil	1.0	26.3	18.8	45	0.1	17.6	8.6	416	1.93	5.8	12.2	3.2	45	0.2	0.5	0.2	46	1.15	0.058



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CERTIFICATE OF ANALYSIS

WHI17000426.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202946	Soil	39	0.62	236	0.113	3	1.82	0.020	0.23	0.2	0.02	5.7	0.1	<0.05	5	<0.5	<0.2
200791	Soil	24	0.58	197	0.077	3	1.33	0.026	0.12	0.3	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
200786	Soil	23	0.43	357	0.054	3	1.34	0.022	0.05	0.5	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
202947	Soil	35	0.51	225	0.078	2	1.88	0.013	0.17	0.1	0.02	5.3	0.1	<0.05	5	<0.5	<0.2
203880	Soil	26	0.51	361	0.066	3	1.49	0.026	0.06	1.4	0.05	4.1	0.2	<0.05	4	0.6	<0.2
202859	Soil	33	0.51	422	0.079	2	1.67	0.021	0.06	0.2	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
203874	Soil	26	0.58	343	0.067	3	1.39	0.025	0.07	1.1	0.07	3.9	<0.1	<0.05	4	<0.5	<0.2
202817	Soil	21	0.40	366	0.046	3	1.12	0.022	0.05	0.8	0.04	3.5	<0.1	0.06	3	<0.5	<0.2
202815	Soil	27	1.02	283	0.057	3	1.16	0.022	0.07	1.6	0.05	4.1	<0.1	<0.05	3	0.7	<0.2
202821	Soil	23	0.40	529	0.062	2	1.22	0.022	0.06	1.8	0.05	3.4	<0.1	<0.05	3	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI17000426.1

Method Analyte Unit MDL	AQ201																			
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Reference Materials																				
STD DS10 Standard	16.2	155.3	153.5	362	1.8	76.4	13.2	872	2.77	45.6	78.8	7.8	68	2.6	9.7	11.4	48	1.08	0.083	20
STD DS11 Standard	14.1	148.0	133.7	319	1.6	79.7	14.0	1011	3.23	41.3	77.7	7.8	64	2.2	8.9	11.0	52	1.01	0.076	19
STD OXC129 Standard	1.3	27.9	6.2	40	<0.1	81.9	21.1	427	3.17	0.9	196.7	1.8	197	<0.1	<0.1	<0.1	56	0.77	0.104	13
STD DS10 Expected	15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OXC129 Expected	1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected	14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: August 28, 2017

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI17000426.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																	
STD DS10	Standard	58	0.78	366	0.090	6	1.10	0.073	0.34	3.4	0.27	3.3	5.3	0.29	5	2.1	5.1
STD DS11	Standard	60	0.87	380	0.098	8	1.26	0.085	0.37	3.1	0.25	3.3	4.8	0.24	5	2.1	4.4
STD OXC129	Standard	57	1.57	52	0.416	1	1.61	0.601	0.34	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 15, 2017
Report Date: September 12, 2017
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI17000597.1

CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: September 12, 2017

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000597.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201175	Soil	0.5	22.9	5.6	56	<0.1	12.7	8.8	422	2.51	6.0	1.4	2.8	21	<0.1	0.4	0.1	53	0.48	0.055	11
201176	Soil	1.2	37.5	9.9	60	<0.1	25.0	12.3	367	3.26	9.5	4.3	6.0	23	<0.1	0.6	0.2	70	0.29	0.042	32
201177	Soil	0.7	17.4	4.3	71	<0.1	6.0	6.4	294	2.57	5.6	3.2	4.2	11	<0.1	0.2	<0.1	45	0.17	0.036	6
201178	Soil	0.8	21.3	7.4	61	<0.1	17.8	12.1	469	3.36	8.4	2.3	3.0	12	<0.1	0.5	0.1	74	0.17	0.036	7
201179	Soil	0.6	10.8	7.9	36	<0.1	6.3	4.7	278	1.89	5.5	2.0	2.5	27	<0.1	0.2	0.2	53	0.18	0.057	9
201180	Soil	0.6	31.0	8.7	61	<0.1	22.4	11.9	388	3.05	9.8	3.1	4.0	23	<0.1	0.5	0.1	67	0.29	0.054	12
201181	Soil	0.5	24.8	8.9	82	<0.1	26.7	11.3	355	3.18	6.7	3.4	3.8	176	<0.1	0.3	0.1	76	0.62	0.053	19
201182	Soil	0.9	13.9	8.7	82	<0.1	19.5	10.6	394	3.09	9.3	1.7	4.7	157	<0.1	0.4	0.1	71	0.55	0.041	17
201183	Soil	1.3	27.3	8.4	51	<0.1	17.9	8.7	215	2.75	8.2	2.3	4.7	77	<0.1	0.5	0.1	57	0.25	0.019	19
201184	Soil	0.5	26.6	4.4	61	<0.1	12.6	9.5	671	2.73	6.5	2.8	4.0	23	<0.1	0.3	<0.1	58	0.41	0.072	17
201185	Soil	2.3	39.2	4.2	28	<0.1	8.0	6.4	241	2.82	3.5	1.7	3.1	99	<0.1	0.2	<0.1	38	0.18	0.033	12
201186	Soil	0.4	16.8	5.6	94	<0.1	10.7	9.5	523	3.40	3.5	<0.5	1.8	72	<0.1	0.2	<0.1	60	0.49	0.049	11
201187	Soil	0.4	35.1	5.0	87	<0.1	17.4	13.2	420	3.88	3.6	0.8	1.6	68	<0.1	0.2	<0.1	99	0.73	0.089	9
203161	Soil	0.9	18.6	7.6	48	<0.1	20.1	8.9	290	2.92	8.6	1.4	3.4	16	<0.1	0.5	0.1	56	0.18	0.020	10
201189	Soil	0.3	11.9	3.2	34	<0.1	6.2	6.0	696	2.24	2.4	1.3	4.7	23	<0.1	0.1	<0.1	42	0.42	0.048	18
201190	Soil	0.4	11.0	7.0	50	<0.1	13.8	9.5	344	2.20	6.1	4.7	2.7	30	<0.1	0.3	<0.1	51	0.68	0.047	10
201191	Soil	0.5	23.1	8.3	55	<0.1	20.1	11.0	239	2.77	8.1	3.9	3.8	30	<0.1	0.3	0.1	58	0.46	0.048	11
201192	Soil	0.8	17.5	9.6	60	<0.1	16.4	8.9	332	2.59	8.3	2.3	4.3	32	<0.1	0.3	0.1	54	0.49	0.058	13
201193	Soil	0.8	14.2	8.4	61	<0.1	14.5	8.8	275	2.42	7.0	1.9	3.7	26	<0.1	0.3	0.1	51	0.39	0.059	13
201194	Soil	0.8	7.8	6.0	71	<0.1	9.0	8.0	316	2.62	6.0	2.5	1.8	18	<0.1	0.3	0.1	56	0.33	0.064	6
201195	Soil	1.6	13.7	12.9	55	<0.1	17.3	8.2	312	2.86	8.8	9.9	5.0	19	0.1	0.5	0.2	66	0.22	0.047	15
201196	Soil	1.7	16.2	9.8	64	<0.1	15.5	8.0	370	2.35	6.2	6.2	4.9	24	0.1	0.4	0.2	51	0.31	0.056	19
201197	Soil	1.8	10.9	9.3	64	0.1	14.0	7.2	348	2.59	7.5	2.0	4.2	18	<0.1	0.4	0.2	59	0.24	0.043	13
201198	Soil	1.1	18.2	9.9	76	0.2	19.3	11.9	554	2.98	6.5	3.6	5.6	32	0.2	0.4	0.2	63	0.65	0.060	26
201199	Soil	1.2	9.3	9.4	43	<0.1	10.2	5.4	194	2.18	7.4	6.9	2.8	18	0.1	0.3	0.2	61	0.18	0.035	13
201200	Soil	0.9	16.4	9.8	62	<0.1	17.1	9.4	335	2.56	7.4	2.7	7.1	25	0.2	0.4	0.2	60	0.35	0.066	24
201201	Soil	0.9	11.9	8.7	64	0.1	14.8	9.1	374	2.60	7.1	6.5	6.6	25	<0.1	0.3	0.2	58	0.40	0.058	20
201202	Soil	1.0	13.0	9.0	70	0.1	13.0	8.3	490	2.50	5.4	2.2	10.2	24	<0.1	0.3	0.1	46	0.43	0.065	35
201203	Soil	1.2	13.9	8.9	66	<0.1	14.0	9.3	457	2.79	7.2	6.3	9.6	25	<0.1	0.3	0.2	57	0.48	0.047	34
203159	Soil	1.3	15.7	9.3	49	<0.1	16.9	8.3	197	2.72	9.2	2.3	3.0	15	<0.1	0.5	0.2	65	0.16	0.025	10



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: September 12, 2017

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CERTIFICATE OF ANALYSIS

WHI17000597.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201175	Soil	21	0.76	242	0.097	2	1.82	0.009	0.13	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
201176	Soil	47	0.69	389	0.099	3	2.09	0.011	0.09	0.2	0.13	8.9	0.1	<0.05	6	<0.5	<0.2
201177	Soil	12	0.99	115	0.151	2	1.79	0.008	0.29	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
201178	Soil	28	1.02	141	0.152	2	2.39	0.007	0.32	0.2	0.02	6.1	0.1	<0.05	7	<0.5	<0.2
201179	Soil	15	0.46	187	0.119	3	1.40	0.008	0.16	0.1	0.02	2.2	0.1	<0.05	7	<0.5	<0.2
201180	Soil	31	0.75	258	0.105	2	1.74	0.011	0.11	0.2	0.06	3.7	0.1	<0.05	5	<0.5	<0.2
201181	Soil	94	1.14	277	0.151	2	2.62	0.024	0.20	0.1	0.03	5.2	0.2	<0.05	10	<0.5	<0.2
201182	Soil	41	0.97	209	0.129	1	2.81	0.010	0.25	0.1	0.03	3.6	0.2	<0.05	9	<0.5	<0.2
201183	Soil	31	0.58	330	0.090	2	1.98	0.011	0.06	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
201184	Soil	20	0.94	244	0.132	<1	1.72	0.008	0.34	0.1	0.02	5.1	0.2	<0.05	6	<0.5	<0.2
201185	Soil	15	0.75	167	0.100	1	1.68	0.011	0.40	<0.1	0.01	2.7	0.2	<0.05	5	<0.5	<0.2
201186	Soil	17	1.73	268	0.210	<1	2.81	0.012	0.37	<0.1	0.01	7.8	0.1	<0.05	9	<0.5	<0.2
201187	Soil	24	1.29	359	0.296	<1	2.78	0.011	0.45	0.1	0.01	4.0	0.2	<0.05	9	<0.5	<0.2
203161	Soil	46	0.85	189	0.095	1	2.03	0.007	0.11	0.1	<0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
201189	Soil	10	0.95	618	0.129	1	1.67	0.007	0.25	<0.1	0.01	5.1	<0.1	<0.05	6	<0.5	<0.2
201190	Soil	22	0.98	457	0.112	1	1.83	0.014	0.18	0.1	0.02	4.4	0.1	<0.05	5	<0.5	<0.2
201191	Soil	28	0.81	260	0.092	2	2.02	0.012	0.07	0.2	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
201192	Soil	26	0.61	227	0.095	2	1.77	0.011	0.11	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
201193	Soil	26	0.67	185	0.104	1	1.56	0.009	0.11	0.2	0.01	4.0	0.1	<0.05	5	<0.5	<0.2
201194	Soil	18	0.72	125	0.120	<1	1.56	0.008	0.20	0.1	<0.01	4.1	0.1	<0.05	6	<0.5	<0.2
201195	Soil	33	0.48	225	0.081	3	2.15	0.009	0.06	0.4	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
201196	Soil	26	0.41	250	0.073	2	1.59	0.012	0.06	0.5	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
201197	Soil	25	0.42	231	0.080	2	1.80	0.009	0.07	0.5	0.03	4.1	<0.1	<0.05	6	<0.5	<0.2
201198	Soil	35	0.74	369	0.119	2	1.98	0.014	0.16	0.4	0.05	5.2	0.2	<0.05	7	0.5	<0.2
201199	Soil	23	0.32	160	0.071	1	1.44	0.008	0.06	0.2	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
201200	Soil	27	0.55	289	0.081	<1	1.77	0.016	0.07	0.2	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
201201	Soil	26	0.51	222	0.082	1	1.71	0.014	0.08	0.3	0.04	4.2	0.1	<0.05	6	0.7	<0.2
201202	Soil	22	0.48	271	0.082	2	1.46	0.013	0.12	0.3	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
201203	Soil	26	0.50	292	0.091	2	1.84	0.012	0.10	0.2	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
203159	Soil	29	0.51	186	0.074	<1	1.80	0.009	0.06	0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2



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Project: Rosebute
Report Date: September 12, 2017

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CERTIFICATE OF ANALYSIS

WHI17000597.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201205	Soil	0.8	19.8	9.2	55	<0.1	18.1	8.6	302	2.55	6.9	1.9	8.0	26	<0.1	0.4	0.2	63	0.37	0.042	27
201206	Soil	0.6	19.1	7.4	56	<0.1	18.2	8.5	249	1.83	4.2	3.3	3.7	50	<0.1	0.4	0.1	47	0.82	0.069	17
201207	Soil	0.7	28.0	7.6	58	<0.1	25.2	11.2	407	2.46	7.9	2.7	3.7	45	0.3	0.6	0.1	58	0.77	0.074	14
201208	Soil	0.8	27.6	8.0	61	0.1	26.1	9.9	394	2.31	9.1	7.5	3.8	54	0.3	0.6	0.1	52	1.21	0.083	14
201209	Soil	0.7	30.6	8.3	65	0.1	27.8	10.4	442	2.33	10.6	3.7	4.1	62	0.3	0.7	0.2	50	1.87	0.083	14
201210	Soil	1.0	40.4	9.0	66	0.1	33.0	12.0	441	2.61	12.0	3.9	4.5	48	0.2	0.9	0.2	52	1.14	0.089	16
201211	Soil	0.9	14.2	8.4	55	<0.1	14.5	9.0	426	2.30	7.2	3.0	4.2	28	0.1	0.5	0.2	53	0.39	0.063	14
201212	Soil	0.9	13.4	9.1	53	<0.1	15.0	8.8	278	2.42	7.6	5.2	4.0	27	0.1	0.5	0.2	58	0.37	0.056	14
201213	Soil	0.8	12.0	8.8	49	<0.1	14.7	6.9	196	2.51	8.5	4.0	3.7	22	<0.1	0.4	0.2	64	0.29	0.053	13
201214	Soil	1.1	17.6	13.2	125	<0.1	10.2	13.1	803	4.01	3.2	<0.5	31.9	26	0.2	0.2	0.1	41	0.46	0.127	75
201215	Soil	1.1	18.2	17.3	66	0.2	12.8	7.4	349	2.48	4.5	0.8	10.1	32	0.2	0.3	0.5	44	0.44	0.082	60
201216	Soil	0.2	21.3	12.5	61	0.1	12.1	5.2	182	1.50	1.8	7.8	7.7	28	0.2	0.5	0.2	38	0.73	0.059	30
201217	Soil	0.6	20.5	11.2	71	<0.1	13.8	9.7	575	2.63	7.8	2.3	4.0	34	0.2	0.3	0.2	53	1.21	0.067	18
201218	Soil	0.5	23.4	11.3	71	0.1	16.0	10.7	603	2.79	9.7	4.5	3.9	35	0.2	0.5	0.3	55	1.20	0.053	19
201219	Soil	0.7	23.2	11.4	74	0.1	16.6	10.1	603	2.67	8.4	3.2	4.0	37	0.4	0.4	0.2	53	1.28	0.062	22
201220	Soil	0.8	17.0	13.2	77	<0.1	17.8	11.2	507	3.09	9.4	1.8	7.2	26	0.2	0.3	0.2	63	0.59	0.044	14
201221	Soil	0.4	24.1	12.7	74	0.1	16.3	9.5	274	2.58	6.9	2.6	9.0	29	0.1	0.4	0.2	53	0.87	0.056	27
201222	Soil	0.6	15.3	12.2	67	0.1	14.6	8.9	281	2.56	7.2	2.4	6.5	44	0.1	0.4	0.2	56	0.74	0.077	36
201223	Soil	0.8	13.5	24.8	58	<0.1	15.8	8.4	280	2.52	7.9	0.7	7.3	25	<0.1	0.4	0.2	56	0.29	0.046	15
201224	Soil	0.9	25.1	15.0	51	<0.1	20.7	9.4	321	2.62	8.6	4.4	5.6	30	0.1	0.5	0.2	56	0.39	0.046	16
201225	Soil	0.9	15.8	9.1	44	<0.1	15.3	8.2	240	2.40	7.5	12.2	4.3	25	<0.1	0.4	0.2	55	0.31	0.047	14
201226	Soil	0.7	24.7	8.5	50	<0.1	19.3	7.9	291	2.46	7.4	11.8	4.6	32	<0.1	0.5	0.2	56	0.44	0.068	16
201227	Soil	0.9	12.0	7.6	48	<0.1	13.6	7.9	262	2.13	6.4	7.8	4.6	28	0.1	0.4	0.2	51	0.37	0.059	14
201228	Soil	0.9	12.2	7.9	53	<0.1	13.5	6.3	210	2.13	6.7	5.9	3.7	27	0.2	0.3	0.2	50	0.38	0.059	14
201229	Soil	0.7	15.9	7.0	56	0.1	15.4	6.8	315	2.03	6.3	3.2	3.0	37	0.2	0.5	0.2	47	0.58	0.075	15
201230	Soil	0.9	28.5	8.7	63	<0.1	25.6	10.1	417	2.48	10.2	2.7	4.4	44	0.1	0.7	0.2	51	1.02	0.083	14
201231	Soil	0.7	29.1	7.9	62	0.1	24.8	10.3	455	2.54	9.1	5.7	4.1	62	0.3	0.7	0.2	57	1.78	0.077	13
201232	Soil	0.5	19.3	9.5	86	<0.1	11.8	14.7	679	4.11	4.8	1.2	2.2	23	<0.1	0.4	<0.1	107	0.29	0.020	9
201233	Soil	0.4	52.0	3.5	50	<0.1	9.3	18.9	460	4.38	3.8	<0.5	2.2	19	<0.1	0.3	<0.1	136	0.48	0.018	4
201234	Soil	0.4	53.6	366.7	72	0.3	16.0	15.8	571	4.53	5.5	0.8	2.7	64	0.2	0.5	3.7	167	0.43	0.032	12



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201205	Soil	32	0.50	306	0.093	1	1.79	0.015	0.05	0.1	0.03	5.5	<0.1	<0.05	6	<0.5	<0.2
201206	Soil	25	0.50	313	0.071	2	1.42	0.022	0.06	0.3	0.03	4.2	<0.1	<0.05	4	0.6	<0.2
201207	Soil	28	0.58	304	0.083	3	1.33	0.032	0.07	0.2	0.02	4.3	<0.1	<0.05	4	0.6	<0.2
201208	Soil	25	0.71	297	0.073	2	1.18	0.035	0.09	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
201209	Soil	27	0.82	311	0.075	3	1.14	0.033	0.11	0.2	0.04	4.1	0.1	<0.05	4	<0.5	<0.2
201210	Soil	30	0.73	296	0.071	3	1.25	0.028	0.10	0.2	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
201211	Soil	28	0.43	283	0.073	3	1.39	0.014	0.04	0.3	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
201212	Soil	30	0.45	225	0.080	1	1.52	0.012	0.05	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
201213	Soil	30	0.43	230	0.070	2	1.75	0.008	0.05	0.2	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
201214	Soil	16	0.89	274	0.112	3	1.90	0.009	0.53	0.4	<0.01	3.7	0.4	<0.05	10	<0.5	<0.2
201215	Soil	21	0.48	336	0.059	2	1.45	0.013	0.17	0.3	0.04	3.0	0.2	<0.05	6	<0.5	<0.2
201216	Soil	24	0.44	248	0.078	2	1.37	0.015	0.10	0.2	0.05	4.4	0.1	<0.05	4	<0.5	<0.2
201217	Soil	26	0.63	278	0.080	4	1.50	0.014	0.11	0.2	0.04	4.0	0.1	0.06	5	<0.5	<0.2
201218	Soil	28	0.58	327	0.084	4	1.44	0.013	0.09	0.1	0.05	4.5	<0.1	<0.05	5	<0.5	<0.2
201219	Soil	28	0.60	312	0.067	3	1.47	0.014	0.12	0.1	0.05	4.7	0.1	<0.05	5	0.7	<0.2
201220	Soil	34	0.71	291	0.096	3	1.85	0.014	0.10	0.2	0.03	4.9	0.1	<0.05	6	<0.5	<0.2
201221	Soil	29	0.70	305	0.085	3	1.58	0.015	0.17	0.3	0.04	4.9	0.2	<0.05	5	<0.5	<0.2
201222	Soil	26	0.52	277	0.071	5	1.49	0.021	0.09	0.2	0.06	4.5	0.1	0.07	4	<0.5	<0.2
201223	Soil	30	0.49	225	0.085	3	1.66	0.012	0.11	0.2	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
201224	Soil	33	0.49	273	0.091	2	1.58	0.017	0.08	0.2	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
201225	Soil	29	0.44	235	0.078	3	1.66	0.011	0.05	0.2	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
201226	Soil	30	0.46	288	0.082	<1	1.41	0.023	0.05	0.3	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2
201227	Soil	25	0.43	237	0.078	3	1.31	0.013	0.05	0.3	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
201228	Soil	24	0.40	214	0.073	3	1.37	0.013	0.05	0.2	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
201229	Soil	24	0.44	268	0.065	3	1.25	0.020	0.06	0.3	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
201230	Soil	26	0.73	299	0.073	3	1.22	0.026	0.07	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
201231	Soil	28	0.79	294	0.087	2	1.25	0.033	0.09	0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
201232	Soil	23	1.10	401	0.161	3	2.16	0.013	0.56	<0.1	0.01	10.1	0.3	<0.05	9	<0.5	<0.2
201233	Soil	20	1.13	233	0.133	2	2.04	0.052	0.36	<0.1	<0.01	12.7	0.1	<0.05	7	<0.5	<0.2
201234	Soil	22	1.39	386	0.132	<1	2.01	0.015	0.30	<0.1	0.03	12.2	0.2	<0.05	9	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201235	Soil	0.6	35.9	17.0	62	<0.1	21.1	12.4	342	3.41	9.3	1.4	4.5	26	<0.1	0.5	0.2	82	0.28	0.018	19
201236	Soil	0.7	42.5	11.0	88	<0.1	21.9	12.7	491	4.58	8.9	2.8	4.2	28	<0.1	0.6	0.1	116	0.27	0.014	20
201237	Soil	0.6	22.8	8.3	45	<0.1	18.6	8.6	233	2.45	8.1	4.4	3.7	24	<0.1	0.6	0.1	58	0.27	0.017	13
201238	Soil	0.6	19.9	9.8	44	<0.1	19.2	8.9	326	2.46	8.1	1.9	3.4	28	<0.1	0.5	0.1	58	0.34	0.025	15
203172	Soil	0.5	20.0	3.7	39	<0.1	7.8	8.6	1181	2.89	3.6	1.6	2.7	28	<0.1	0.2	<0.1	43	0.42	0.057	8
201240	Soil	0.4	21.9	7.9	48	<0.1	15.1	7.4	238	2.31	4.7	3.1	3.8	31	<0.1	0.5	0.1	60	0.38	0.043	14
201261	Soil	0.4	49.1	9.3	58	<0.1	12.3	12.6	316	3.55	8.7	<0.5	1.9	14	<0.1	0.3	0.2	111	0.19	0.019	7
201242	Soil	0.8	14.3	9.4	51	<0.1	17.9	7.8	413	2.42	7.1	1.1	3.1	20	<0.1	0.5	0.2	57	0.23	0.027	10
203157	Soil	0.7	22.2	6.4	55	<0.1	15.7	11.4	500	3.24	7.9	1.1	3.1	25	<0.1	0.5	0.1	84	0.33	0.043	9
201244	Soil	0.2	14.2	4.2	98	<0.1	6.5	7.0	386	3.52	3.0	1.3	9.2	65	<0.1	0.3	<0.1	68	0.59	0.096	28
201255	Soil	0.5	41.4	6.0	43	<0.1	13.3	8.3	489	2.32	5.3	0.7	2.0	19	<0.1	0.3	<0.1	67	0.40	0.021	7
201246	Soil	1.1	16.6	12.6	48	<0.1	17.1	8.1	487	3.17	9.8	2.4	2.7	18	<0.1	0.5	0.2	72	0.19	0.027	9
201247	Soil	0.9	16.7	13.2	45	0.1	15.6	7.0	220	2.58	7.4	1.5	3.5	19	<0.1	0.5	0.2	62	0.18	0.024	10
201248	Soil	0.5	32.0	75.2	70	<0.1	10.9	7.8	460	3.30	4.8	1.6	3.8	19	<0.1	0.4	2.2	56	0.25	0.040	12
201256	Soil	1.1	11.6	7.9	54	<0.1	13.0	9.2	1935	2.12	4.2	2.4	2.3	17	0.1	0.4	0.2	57	0.21	0.021	9
201258	Soil	0.7	28.3	10.8	54	<0.1	23.4	10.9	269	3.07	9.5	2.6	4.4	18	<0.1	0.8	0.2	71	0.20	0.018	11
201265	Soil	0.8	19.9	9.2	51	<0.1	21.5	8.7	423	2.60	9.4	<0.5	4.2	25	<0.1	0.7	0.2	60	0.28	0.020	13
201252	Soil	0.8	18.7	8.2	68	0.1	18.9	9.7	679	2.55	7.0	1.1	3.3	20	<0.1	0.6	0.1	60	0.21	0.023	12
201239	Soil	0.4	28.9	10.8	53	<0.1	15.7	10.5	320	2.89	5.9	1.7	3.6	25	<0.1	0.5	0.2	68	0.32	0.016	15
201257	Soil	0.9	25.2	8.1	44	<0.1	18.5	10.2	282	3.04	8.1	<0.5	2.5	17	<0.1	0.6	0.2	85	0.20	0.014	9
201245	Soil	1.0	12.6	9.9	40	<0.1	15.1	6.9	211	2.44	5.8	2.6	2.5	13	<0.1	0.5	0.2	66	0.11	0.021	11
201260	Soil	0.3	70.6	7.7	68	<0.1	16.1	19.8	514	4.52	8.1	0.9	1.5	12	<0.1	0.2	0.1	140	0.33	0.041	5
201282	Soil	0.5	11.9	12.2	74	<0.1	14.9	9.3	1509	2.29	5.0	2.2	2.3	27	0.1	0.4	0.2	54	0.26	0.041	9
201290	Soil	0.6	22.5	18.2	116	<0.1	15.5	12.7	315	3.38	7.0	3.2	3.1	76	0.1	0.5	0.2	87	0.42	0.049	14
201253	Soil	1.5	57.6	32.9	104	<0.1	18.7	10.7	591	4.98	5.0	<0.5	5.9	24	<0.1	0.7	0.4	114	0.44	0.025	11
201279	Soil	0.6	11.1	11.4	63	0.2	11.6	7.9	404	3.05	7.6	0.8	4.5	30	<0.1	0.4	0.1	67	0.30	0.052	12
201280	Soil	0.7	21.1	9.9	50	<0.1	23.7	10.1	282	2.93	9.8	3.1	6.1	22	<0.1	0.8	0.2	59	0.21	0.017	14
201283	Soil	0.6	14.9	13.9	52	0.2	18.7	8.9	439	2.52	8.1	2.7	3.5	30	<0.1	0.5	0.2	62	0.28	0.027	11
201250	Soil	0.8	15.3	13.5	54	<0.1	17.7	9.7	854	2.44	5.4	0.6	2.7	22	<0.1	0.5	0.2	61	0.22	0.019	11
201285	Soil	0.5	13.3	17.3	62	0.3	7.2	4.1	326	2.14	2.8	<0.5	2.3	22	0.2	0.3	0.3	32	0.27	0.026	10



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201235	Soil	48	1.06	284	0.123	1	2.00	0.011	0.28	0.1	0.01	8.0	0.2	<0.05	6	<0.5	<0.2
201236	Soil	48	1.16	481	0.232	<1	2.47	0.011	0.64	<0.1	0.02	9.8	0.3	<0.05	9	<0.5	<0.2
201237	Soil	29	0.47	260	0.083	2	1.39	0.015	0.05	0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
201238	Soil	30	0.47	286	0.082	2	1.45	0.016	0.07	0.1	0.02	5.5	<0.1	<0.05	4	<0.5	<0.2
203172	Soil	12	1.13	1147	0.149	2	2.00	0.009	0.52	<0.1	<0.01	5.0	0.1	<0.05	6	<0.5	<0.2
201240	Soil	30	0.53	233	0.120	2	1.34	0.019	0.11	<0.1	0.01	4.9	0.1	<0.05	4	<0.5	<0.2
201261	Soil	29	1.02	253	0.180	1	2.05	0.017	0.31	<0.1	0.02	7.8	0.2	<0.05	7	<0.5	<0.2
201242	Soil	31	0.41	314	0.064	2	1.63	0.008	0.07	0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
203157	Soil	26	1.22	258	0.132	2	1.84	0.009	0.18	0.1	0.02	6.4	0.1	<0.05	7	0.5	<0.2
201244	Soil	10	0.85	343	0.097	2	1.86	0.011	0.18	<0.1	0.02	8.3	0.2	<0.05	7	<0.5	<0.2
201255	Soil	22	0.55	251	0.076	3	1.27	0.018	0.08	<0.1	0.01	4.5	<0.1	<0.05	4	<0.5	<0.2
201246	Soil	33	0.43	271	0.060	3	2.07	0.008	0.04	0.1	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
201247	Soil	29	0.42	265	0.067	2	1.73	0.009	0.06	0.2	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
201248	Soil	18	0.62	290	0.107	2	1.73	0.007	0.16	<0.1	0.01	9.4	0.2	<0.05	7	<0.5	<0.2
201256	Soil	22	0.35	269	0.063	2	1.22	0.011	0.07	0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
201258	Soil	39	0.54	237	0.088	2	2.12	0.011	0.06	0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
201265	Soil	33	0.48	257	0.074	2	1.63	0.010	0.10	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
201252	Soil	30	0.47	271	0.067	1	1.69	0.011	0.06	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
201239	Soil	29	0.67	300	0.139	<1	1.79	0.014	0.26	<0.1	0.03	7.2	0.2	<0.05	5	<0.5	<0.2
201257	Soil	33	0.62	217	0.096	1	2.04	0.014	0.09	0.1	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
201245	Soil	27	0.37	206	0.068	2	1.67	0.008	0.04	<0.1	<0.01	2.9	0.1	<0.05	6	<0.5	<0.2
201260	Soil	35	1.46	403	0.248	<1	2.38	0.034	0.93	<0.1	0.01	9.4	0.4	<0.05	8	<0.5	<0.2
201282	Soil	25	0.42	513	0.075	1	1.50	0.012	0.11	0.1	0.01	3.0	0.1	<0.05	5	<0.5	<0.2
201290	Soil	25	0.69	462	0.119	<1	2.05	0.030	0.12	0.1	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
201253	Soil	50	0.73	491	0.099	2	2.07	0.008	0.27	<0.1	0.01	14.0	0.2	<0.05	9	<0.5	<0.2
201279	Soil	22	0.72	254	0.124	1	1.92	0.009	0.43	0.1	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
201280	Soil	37	0.52	303	0.073	<1	1.69	0.012	0.06	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
201283	Soil	32	0.51	511	0.095	2	1.45	0.014	0.13	0.1	0.02	3.7	0.1	<0.05	4	<0.5	<0.2
201250	Soil	27	0.49	363	0.079	<1	1.53	0.013	0.08	<0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
201285	Soil	12	0.42	198	0.049	2	1.11	0.010	0.12	<0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

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	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201278	Soil				0.7	18.4	9.9	44	<0.1	17.1	7.8	276	2.54	8.5	3.3	3.4	19	<0.1	0.6	0.2	57	0.20	0.033	11
201271	Soil				0.5	31.4	8.0	55	0.1	26.8	10.5	496	2.54	10.7	2.8	3.6	45	0.1	0.7	0.1	50	1.19	0.084	16
201241	Soil				0.3	19.9	9.5	61	<0.1	10.2	8.4	328	2.54	3.2	1.0	3.2	22	<0.1	0.3	<0.1	51	0.23	0.008	16
201254	Soil				0.9	19.3	12.3	60	0.1	17.8	8.3	497	2.85	8.3	1.5	2.8	27	<0.1	0.6	0.2	68	0.32	0.024	10
201297	Soil				0.9	13.1	14.6	49	<0.1	17.4	7.5	306	2.59	9.7	1.8	3.3	26	<0.1	0.7	0.2	56	0.24	0.032	11
201286	Soil				0.6	19.4	32.7	53	0.1	15.4	9.5	361	2.61	5.9	0.5	3.0	32	0.1	0.5	0.4	62	0.37	0.040	13
202230	Soil				0.7	18.8	7.3	59	<0.1	20.1	10.5	384	2.90	7.9	<0.5	4.0	25	<0.1	0.5	0.2	70	0.26	0.027	13
201273	Soil				0.9	26.2	12.8	56	0.1	17.2	9.2	889	2.42	5.0	1.1	2.9	73	0.2	0.5	0.2	47	0.88	0.083	32
201243	Soil				0.9	15.7	8.6	53	<0.1	18.1	8.5	542	2.42	7.1	1.1	3.8	17	<0.1	0.6	0.2	61	0.18	0.020	12
201259	Soil				0.6	39.6	7.3	58	<0.1	12.9	11.4	315	3.68	12.3	1.7	2.5	14	<0.1	0.5	0.1	91	0.21	0.024	7
202240	Soil				0.8	11.3	7.8	45	0.1	14.2	7.0	246	2.19	6.3	<0.5	2.3	21	<0.1	0.5	0.1	54	0.24	0.031	10
201276	Soil				1.1	7.9	7.1	50	0.1	3.9	6.4	920	1.56	1.6	1.3	2.1	21	<0.1	0.1	0.2	43	0.21	0.035	7
201270	Soil				0.9	26.1	8.5	70	<0.1	22.8	9.6	443	2.91	9.0	1.3	4.5	20	<0.1	0.6	0.2	62	0.27	0.040	14
201251	Soil				0.3	29.4	7.2	83	<0.1	14.3	13.5	432	3.67	5.2	<0.5	2.2	29	<0.1	0.3	<0.1	72	0.33	0.031	12
202299	Soil				0.6	33.2	5.3	110	<0.1	10.3	15.4	759	5.07	6.4	<0.5	1.9	20	<0.1	0.3	<0.1	159	0.18	0.027	6
202295	Soil				1.0	19.7	23.6	51	0.2	13.5	7.0	254	2.61	5.9	1.3	5.9	19	<0.1	0.5	0.3	71	0.19	0.018	22
201296	Soil				1.0	15.7	22.4	60	0.2	11.1	6.5	247	2.60	7.5	1.1	2.5	24	<0.1	0.4	0.5	74	0.27	0.038	11
201249	Soil				0.6	22.1	22.2	63	<0.1	14.3	10.0	327	3.14	5.5	1.0	3.4	25	<0.1	0.5	0.2	68	0.33	0.020	15
201323	Soil				1.3	21.5	11.2	63	0.1	14.8	10.1	361	3.34	6.0	2.5	4.0	30	<0.1	0.4	0.2	84	0.30	0.032	11
202231	Soil				0.9	15.5	7.0	52	<0.1	18.7	10.5	340	2.87	7.5	2.1	2.8	22	<0.1	0.5	0.1	67	0.22	0.023	8
202285	Soil				1.8	39.3	129.0	83	1.0	22.2	11.3	1824	3.13	3.3	2.5	16.9	38	0.6	1.2	1.2	64	0.46	0.065	61
202303	Soil				0.4	42.9	7.2	49	0.3	15.2	16.9	366	2.96	5.4	1.5	1.3	64	<0.1	0.3	0.1	101	0.44	0.034	5
203144	Soil				0.8	18.9	9.8	42	<0.1	17.3	9.1	369	2.45	7.2	2.3	3.0	34	<0.1	0.5	0.2	62	0.37	0.038	11
203137	Soil				0.6	24.7	10.9	65	<0.1	23.0	13.8	500	3.37	7.8	4.9	4.3	35	0.1	0.6	0.2	86	0.35	0.028	15
201368	Soil				1.2	39.0	8.2	49	<0.1	16.5	10.1	235	3.00	6.2	1.9	2.9	28	<0.1	0.4	0.1	79	0.29	0.024	10
201376	Soil				0.7	21.3	8.2	81	<0.1	14.3	8.9	280	3.71	6.6	2.3	7.0	20	<0.1	0.5	0.2	52	0.22	0.029	34
203136	Soil				0.7	15.7	8.8	62	<0.1	15.1	9.6	597	3.04	5.8	2.8	4.7	32	<0.1	0.4	0.1	58	0.36	0.023	14
203131	Soil				0.4	35.4	8.1	81	<0.1	11.3	20.1	743	5.12	3.6	0.9	1.1	25	<0.1	0.1	<0.1	151	0.29	0.033	4
201360	Soil				0.6	40.3	5.5	82	<0.1	15.2	17.7	629	5.42	9.0	1.6	1.8	29	<0.1	0.3	<0.1	139	0.40	0.045	3
201357	Soil				0.6	26.7	8.3	54	<0.1	20.8	10.2	262	2.76	8.6	3.0	4.6	32	<0.1	0.6	0.1	67	0.34	0.030	19



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201278	Soil	29	0.46	217	0.070	1	1.71	0.010	0.06	0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
201271	Soil	26	0.63	256	0.077	1	1.15	0.026	0.07	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
201241	Soil	18	0.66	205	0.136	<1	1.97	0.008	0.40	<0.1	0.01	4.3	0.3	<0.05	6	<0.5	<0.2
201254	Soil	33	0.55	303	0.068	2	1.86	0.011	0.08	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
201297	Soil	29	0.48	372	0.062	1	1.63	0.010	0.07	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
201286	Soil	27	0.63	283	0.070	<1	1.59	0.015	0.07	0.2	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
202230	Soil	37	0.91	282	0.147	1	1.85	0.011	0.28	0.1	0.02	5.8	0.2	<0.05	6	<0.5	<0.2
201273	Soil	21	0.49	390	0.046	3	1.43	0.017	0.07	0.1	0.06	4.6	<0.1	<0.05	5	<0.5	<0.2
201243	Soil	32	0.48	282	0.082	<1	1.77	0.010	0.06	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
201259	Soil	27	0.78	186	0.173	<1	2.29	0.021	0.27	<0.1	0.02	6.0	0.2	<0.05	7	<0.5	<0.2
202240	Soil	25	0.40	228	0.070	<1	1.28	0.012	0.06	0.1	0.01	2.7	0.1	<0.05	5	<0.5	<0.2
201276	Soil	10	0.46	174	0.115	<1	0.97	0.013	0.28	<0.1	0.01	2.3	0.2	<0.05	7	<0.5	<0.2
201270	Soil	44	0.60	197	0.102	<1	1.73	0.012	0.26	0.1	0.03	5.6	0.2	<0.05	5	<0.5	<0.2
201251	Soil	25	1.19	211	0.208	<1	2.53	0.015	0.58	0.2	0.01	4.9	0.3	<0.05	7	<0.5	<0.2
202299	Soil	14	1.56	267	0.379	<1	2.80	0.011	1.33	0.1	<0.01	5.0	0.5	<0.05	10	<0.5	<0.2
202295	Soil	26	0.52	276	0.102	<1	2.00	0.011	0.10	0.1	0.02	3.5	0.2	<0.05	7	<0.5	<0.2
201296	Soil	23	0.58	225	0.103	<1	1.53	0.014	0.12	0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
201249	Soil	27	0.69	335	0.090	<1	1.98	0.016	0.10	<0.1	0.01	7.2	0.1	<0.05	6	<0.5	<0.2
201323	Soil	25	0.90	239	0.147	3	1.94	0.011	0.36	0.1	0.01	4.6	0.3	<0.05	7	<0.5	<0.2
202231	Soil	31	0.77	236	0.134	2	1.63	0.010	0.29	0.1	<0.01	3.7	0.1	<0.05	5	<0.5	<0.2
202285	Soil	36	0.57	858	0.059	5	2.00	0.013	0.29	0.1	0.08	7.7	0.3	<0.05	6	0.9	<0.2
202303	Soil	29	1.27	309	0.182	2	1.80	0.033	0.26	0.4	<0.01	5.9	0.2	<0.05	6	<0.5	<0.2
203144	Soil	27	0.47	318	0.074	2	1.44	0.016	0.05	0.2	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
203137	Soil	40	0.98	381	0.136	3	1.97	0.015	0.60	0.1	0.02	7.9	0.2	<0.05	6	<0.5	<0.2
201368	Soil	29	0.56	267	0.092	1	1.75	0.011	0.23	0.1	0.01	5.7	0.2	<0.05	6	<0.5	<0.2
201376	Soil	23	0.59	409	0.116	2	2.01	0.010	0.36	<0.1	0.02	9.4	0.2	<0.05	8	<0.5	<0.2
203136	Soil	27	0.68	464	0.133	2	1.68	0.019	0.47	<0.1	0.02	6.6	0.2	<0.05	6	<0.5	<0.2
203131	Soil	20	2.09	891	0.262	2	2.77	0.015	1.48	<0.1	0.02	10.6	0.5	<0.05	9	<0.5	<0.2
201360	Soil	24	1.23	536	0.298	<1	3.11	0.023	1.02	<0.1	<0.01	7.3	0.3	<0.05	9	<0.5	<0.2
201357	Soil	35	0.53	280	0.090	<1	1.78	0.013	0.06	0.1	0.03	9.5	<0.1	<0.05	5	<0.5	<0.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203170	Soil	0.7	11.7	5.7	50	<0.1	14.3	9.2	469	2.44	5.8	1.6	2.5	34	<0.1	0.4	<0.1	47	0.36	0.037	8
203154	Soil	0.7	15.2	6.0	59	<0.1	14.0	8.2	440	2.65	7.8	3.5	3.4	21	<0.1	0.5	0.1	51	0.27	0.040	11
203160	Soil	0.9	14.4	8.5	52	<0.1	18.5	10.0	408	3.00	9.8	2.6	2.8	19	<0.1	0.7	0.2	65	0.23	0.024	9
203143	Soil	0.3	51.9	30.2	54	<0.1	10.6	16.0	484	3.66	2.7	6.5	1.6	116	<0.1	0.2	0.4	132	0.61	0.063	6
202188	Soil	0.7	17.7	10.5	82	<0.1	10.5	8.5	381	3.19	5.2	1.9	9.7	23	<0.1	0.5	0.1	59	0.27	0.034	25
202172	Soil	0.7	15.8	9.0	66	0.2	20.8	10.0	509	2.73	7.1	1.1	5.3	28	0.1	0.6	0.2	60	0.27	0.039	14
202174	Soil	0.8	16.4	10.4	63	0.1	22.5	9.8	469	3.09	9.7	2.2	7.2	21	<0.1	0.6	0.2	71	0.19	0.025	18
202181	Soil	1.2	10.9	10.7	58	<0.1	12.3	6.6	203	3.27	9.3	0.9	5.0	13	<0.1	0.5	0.2	77	0.11	0.024	9
202189	Soil	0.8	17.2	11.7	50	<0.1	14.3	7.2	294	2.55	7.3	1.1	6.6	22	<0.1	0.5	0.2	60	0.23	0.023	18
201319	Soil	0.9	14.1	12.1	47	<0.1	12.8	5.9	248	2.34	5.7	2.3	2.6	21	<0.1	0.4	0.2	49	0.26	0.044	17
201303	Soil	1.1	14.2	9.0	86	<0.1	14.7	9.9	853	2.98	6.9	1.7	3.3	26	0.1	0.5	0.2	58	0.30	0.037	10
201359	Soil	0.2	81.4	3.6	86	<0.1	16.3	22.6	744	5.24	6.2	2.5	0.9	119	<0.1	0.3	<0.1	156	1.41	0.061	4
202176	Soil	0.7	12.8	7.5	50	<0.1	19.5	8.5	351	2.45	6.9	1.3	4.3	23	<0.1	0.5	0.1	58	0.25	0.035	10
202187	Soil	0.9	14.7	9.1	51	0.2	10.4	5.7	291	2.47	6.0	1.5	7.3	18	<0.1	0.4	0.2	53	0.17	0.023	17
202178	Soil	0.8	11.2	7.5	75	0.1	14.8	9.0	1098	2.41	2.3	1.3	3.3	19	0.2	0.3	0.2	53	0.18	0.052	12
201370	Soil	0.5	78.1	3.2	47	<0.1	19.5	17.1	358	3.20	2.2	1.0	0.4	23	<0.1	0.1	<0.1	103	0.54	0.045	2
202177	Soil	0.7	13.8	8.1	50	<0.1	19.0	10.4	618	2.47	6.1	1.0	4.7	26	<0.1	0.5	0.1	56	0.28	0.032	13
202169	Soil	0.9	14.9	9.4	72	<0.1	18.7	10.9	483	3.03	7.7	1.3	6.0	13	<0.1	0.6	0.2	68	0.11	0.028	13
202167	Soil	1.0	19.3	10.4	49	0.1	23.5	10.3	289	3.06	10.1	2.4	4.9	15	<0.1	0.6	0.2	69	0.12	0.024	11
202168	Soil	1.0	21.0	9.8	54	<0.1	21.3	8.4	267	2.90	9.5	2.9	5.7	16	<0.1	0.7	0.2	65	0.13	0.019	18
202143	Soil	0.6	21.2	7.1	70	0.1	9.6	6.6	359	2.16	4.0	3.3	5.5	19	<0.1	0.2	0.2	38	0.24	0.063	20
202157	Soil	2.1	21.2	8.3	56	0.1	15.4	9.6	1207	2.13	5.0	1.9	4.1	34	0.2	0.2	0.2	51	0.37	0.041	42
202138	Soil	1.1	30.5	9.0	74	0.1	26.4	9.6	403	2.42	12.9	2.3	3.5	60	0.5	0.8	0.2	54	1.61	0.067	14
202160	Soil	1.4	20.1	10.1	44	<0.1	15.3	7.0	187	2.66	8.6	2.6	5.7	20	<0.1	0.4	0.2	54	0.22	0.028	16
202139	Soil	1.1	38.8	10.9	61	<0.1	24.5	9.6	422	2.51	15.4	1.9	3.5	49	0.3	0.9	0.3	59	0.95	0.061	16
201204	Soil	0.7	18.2	9.2	58	<0.1	15.2	9.8	357	2.41	6.6	2.9	8.7	25	<0.1	0.5	0.2	61	0.36	0.043	30
203071	Soil	0.6	11.9	8.3	52	<0.1	12.3	6.8	194	2.10	6.7	2.5	3.2	25	<0.1	0.4	0.2	50	0.39	0.049	13
203061	Soil	0.8	13.5	8.6	54	<0.1	12.6	6.9	212	2.24	6.6	2.3	3.3	25	<0.1	0.4	0.2	52	0.40	0.053	14
203066	Soil	0.5	21.2	6.9	44	<0.1	15.5	9.6	360	2.67	6.5	3.2	4.4	29	<0.1	0.4	0.1	57	0.42	0.056	14
203054	Soil	0.6	23.4	8.1	58	<0.1	17.4	10.8	323	2.94	7.7	2.6	2.9	31	<0.1	0.4	0.2	75	0.33	0.064	13



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203170	Soil	20	0.54	340	0.111	<1	1.60	0.010	0.12	0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
203154	Soil	22	0.66	201	0.115	1	1.56	0.010	0.14	0.1	0.02	5.7	<0.1	<0.05	6	<0.5	<0.2
203160	Soil	30	0.60	204	0.091	1	1.76	0.008	0.08	0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
203143	Soil	16	1.18	326	0.191	1	1.82	0.030	0.64	<0.1	0.02	6.8	0.3	<0.05	6	<0.5	<0.2
202188	Soil	18	0.63	209	0.129	1	1.78	0.009	0.28	0.2	0.01	3.1	0.3	<0.05	8	<0.5	<0.2
202172	Soil	32	0.48	284	0.082	1	1.82	0.010	0.15	0.1	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
202174	Soil	37	0.51	214	0.091	2	2.24	0.009	0.10	0.1	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
202181	Soil	23	0.39	106	0.080	2	2.09	0.007	0.06	0.1	0.02	3.2	0.2	<0.05	8	<0.5	<0.2
202189	Soil	25	0.43	212	0.100	2	1.86	0.012	0.09	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
201319	Soil	20	0.38	234	0.064	1	1.49	0.009	0.11	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
201303	Soil	25	0.39	319	0.067	2	1.68	0.009	0.14	0.1	0.02	5.6	0.1	<0.05	7	<0.5	<0.2
201359	Soil	23	1.50	358	0.280	<1	3.05	0.042	0.21	<0.1	0.02	10.2	<0.1	<0.05	10	<0.5	<0.2
202176	Soil	29	0.41	251	0.060	2	1.70	0.008	0.09	0.1	<0.01	3.5	0.1	<0.05	5	<0.5	<0.2
202187	Soil	18	0.43	162	0.086	2	1.44	0.009	0.17	0.1	<0.01	2.6	0.2	<0.05	7	<0.5	<0.2
202178	Soil	25	0.32	431	0.055	2	1.57	0.013	0.06	<0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
201370	Soil	44	1.60	360	0.156	2	2.22	0.034	0.61	<0.1	<0.01	6.9	0.2	<0.05	6	<0.5	<0.2
202177	Soil	28	0.43	262	0.075	1	1.59	0.014	0.11	0.1	0.02	4.6	0.1	<0.05	4	<0.5	<0.2
202169	Soil	33	0.47	196	0.091	1	2.33	0.009	0.11	0.1	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
202167	Soil	36	0.46	223	0.078	1	2.29	0.009	0.06	0.2	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
202168	Soil	35	0.48	213	0.083	2	1.97	0.011	0.06	0.1	0.01	5.7	<0.1	<0.05	6	<0.5	<0.2
202143	Soil	17	0.39	176	0.077	<1	1.26	0.011	0.17	0.2	0.02	3.1	0.2	<0.05	5	0.6	<0.2
202157	Soil	24	0.40	290	0.068	3	1.59	0.019	0.10	0.1	0.03	4.6	0.1	<0.05	6	0.8	<0.2
202138	Soil	27	0.66	338	0.088	4	1.31	0.033	0.11	0.1	0.03	4.5	<0.1	<0.05	4	0.5	<0.2
202160	Soil	29	0.43	180	0.061	2	1.79	0.010	0.07	0.2	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
202139	Soil	30	0.59	290	0.086	2	1.48	0.028	0.07	0.1	0.03	5.0	<0.1	<0.05	5	0.6	<0.2
201204	Soil	29	0.43	313	0.094	<1	1.69	0.015	0.06	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
203071	Soil	22	0.57	156	0.087	<1	1.41	0.011	0.06	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
203061	Soil	24	0.56	159	0.095	1	1.42	0.012	0.06	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
203066	Soil	23	0.70	225	0.125	<1	1.75	0.014	0.07	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
203054	Soil	53	0.97	247	0.118	<1	2.04	0.012	0.20	0.1	0.04	4.9	0.1	<0.05	6	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203063	Soil	0.6	26.3	7.7	51	<0.1	16.2	12.5	315	3.18	7.3	12.3	3.0	36	<0.1	0.5	0.1	68	0.31	0.034	11
201263	Soil	1.2	14.6	12.9	57	0.2	17.9	11.0	698	2.63	6.9	1.1	3.3	14	0.1	0.7	0.2	69	0.16	0.017	10
203072	Soil	0.3	11.3	4.3	78	<0.1	9.1	9.7	507	2.57	3.4	1.6	4.1	24	<0.1	0.2	0.1	52	0.44	0.087	16
203062	Soil	1.1	14.9	9.6	64	<0.1	14.0	8.3	222	3.53	11.7	1.9	2.6	16	<0.1	0.6	0.2	83	0.15	0.033	9
203069	Soil	0.3	17.2	7.2	67	<0.1	15.3	10.2	455	2.06	6.0	1.2	3.1	57	<0.1	0.3	0.1	51	0.77	0.070	11
203059	Soil	0.8	19.8	10.1	51	<0.1	18.1	8.5	209	2.89	9.4	2.4	4.1	29	<0.1	0.6	0.2	68	0.20	0.023	15
203064	Soil	0.4	22.7	4.8	37	<0.1	10.5	7.6	452	2.62	4.2	1.1	2.1	114	<0.1	0.2	<0.1	51	0.27	0.029	6
201262	Soil	0.7	17.4	9.7	48	<0.1	17.5	8.5	293	2.70	8.7	2.1	3.2	17	<0.1	0.6	0.2	70	0.14	0.020	10
201266	Soil	0.6	26.8	7.4	53	<0.1	17.2	8.9	470	2.58	10.3	1.1	3.3	23	<0.1	0.5	0.1	65	0.27	0.022	10
201264	Soil	1.5	71.6	42.2	51	<0.1	14.8	6.4	228	2.93	27.3	3.4	12.0	18	0.1	3.1	0.3	43	0.22	0.026	30
201298	Soil	0.8	19.4	11.4	55	<0.1	17.9	9.2	292	2.64	9.0	2.5	5.7	22	<0.1	0.6	0.1	58	0.18	0.020	18
201288	Soil	0.7	22.2	44.2	72	0.2	14.8	8.2	561	2.37	7.2	2.4	3.5	43	0.1	0.5	0.5	61	0.34	0.073	12
201295	Soil	1.1	15.7	29.7	54	0.2	13.1	6.1	250	2.97	10.5	1.5	2.4	19	0.2	0.6	0.5	75	0.18	0.031	10
201373	Soil	2.9	33.5	31.6	155	0.5	5.8	7.8	478	5.03	4.3	2.3	4.0	36	0.1	0.3	0.4	52	0.16	0.084	17
201390	Soil	0.7	34.2	8.8	80	<0.1	24.9	10.0	324	3.06	10.8	9.3	5.1	34	<0.1	0.8	0.2	64	0.46	0.039	20
201339	Soil	0.7	31.0	10.2	42	0.1	20.1	8.5	211	2.69	7.6	2.5	8.3	17	<0.1	0.7	0.2	55	0.14	0.012	33
201338	Soil	1.0	18.6	15.2	51	<0.1	19.3	8.1	222	2.89	8.0	4.7	4.6	16	<0.1	0.6	0.2	66	0.13	0.018	15
201383	Soil	0.8	20.0	9.1	49	<0.1	21.1	9.9	267	2.68	9.3	1.9	4.6	28	<0.1	0.5	0.2	61	0.30	0.032	14
201375	Soil	1.0	26.8	7.5	86	<0.1	17.1	11.3	362	4.22	9.3	1.1	3.5	18	0.1	0.6	0.1	81	0.21	0.040	8
201344	Soil	0.5	446.5	6.0	193	<0.1	31.6	18.9	785	5.03	3.6	1.9	7.5	24	0.1	0.2	1.0	117	0.36	0.060	21
201325	Soil	0.8	18.4	9.9	53	<0.1	23.3	9.4	282	2.77	10.5	2.1	5.3	19	0.1	0.7	0.2	61	0.16	0.020	10
201304	Soil	1.5	12.8	17.3	46	<0.1	13.9	6.3	196	3.03	10.5	<0.5	2.9	14	0.1	0.6	0.3	69	0.12	0.028	11
201363	Soil	0.5	53.0	6.5	52	<0.1	17.3	12.7	293	3.10	8.7	0.6	3.0	28	<0.1	0.4	0.1	86	0.35	0.036	8
201364	Soil	1.5	69.5	5.6	81	<0.1	17.6	10.1	305	3.68	8.0	1.2	5.7	33	<0.1	0.3	0.2	96	0.36	0.041	21
201367	Soil	1.3	35.3	10.2	57	<0.1	19.3	9.8	262	3.15	8.9	1.5	4.5	24	<0.1	0.5	0.2	76	0.29	0.021	14
201358	Soil	1.4	49.7	11.1	104	<0.1	17.6	11.6	767	5.29	6.2	<0.5	7.0	20	<0.1	0.3	0.1	102	0.15	0.078	12
201340	Soil	1.1	21.4	13.2	49	<0.1	22.3	10.4	228	2.94	11.0	1.4	5.0	17	<0.1	0.6	0.2	66	0.14	0.022	14
201305	Soil	1.0	29.3	10.7	50	0.1	23.4	10.4	302	2.91	9.6	2.7	4.6	48	<0.1	0.5	0.2	62	0.52	0.030	19
201386	Soil	1.0	17.9	14.8	51	<0.1	20.5	8.8	272	2.73	10.9	1.7	4.2	31	<0.1	0.7	0.2	62	0.36	0.031	12
201362	Soil	0.7	88.0	5.8	52	<0.1	23.9	15.4	274	3.65	8.8	3.2	3.9	33	<0.1	0.5	<0.1	105	0.39	0.027	12



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203063	Soil	27	0.80	228	0.159	<1	2.01	0.012	0.20	0.1	<0.01	3.3	0.1	<0.05	5	<0.5	<0.2
201263	Soil	32	0.39	332	0.062	<1	1.75	0.012	0.05	0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
203072	Soil	18	0.85	212	0.158	<1	1.58	0.012	0.49	0.1	<0.01	5.4	0.2	<0.05	6	<0.5	<0.2
203062	Soil	32	0.62	155	0.113	1	2.27	0.009	0.11	0.1	<0.01	3.0	0.1	<0.05	8	<0.5	<0.2
203069	Soil	26	0.96	205	0.114	1	1.83	0.015	0.07	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
203059	Soil	37	0.56	187	0.094	<1	1.96	0.010	0.10	0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
203064	Soil	21	1.06	173	0.169	<1	2.27	0.013	0.27	<0.1	<0.01	2.4	0.1	<0.05	6	<0.5	<0.2
201262	Soil	32	0.47	212	0.075	<1	1.82	0.010	0.06	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
201266	Soil	29	0.56	250	0.086	<1	1.43	0.013	0.15	<0.1	<0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
201264	Soil	18	0.26	243	0.010	1	1.33	0.007	0.08	<0.1	0.03	5.8	<0.1	<0.05	3	0.6	<0.2
201298	Soil	33	0.50	218	0.066	<1	1.65	0.010	0.06	0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
201288	Soil	23	0.58	449	0.080	<1	1.61	0.011	0.08	0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
201295	Soil	27	0.47	174	0.079	<1	1.64	0.010	0.08	0.1	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
201373	Soil	13	0.61	689	0.200	<1	1.75	0.022	0.73	<0.1	<0.01	12.8	0.3	0.13	9	1.1	0.2
201390	Soil	35	0.57	408	0.088	<1	1.63	0.023	0.08	0.2	0.02	9.0	<0.1	<0.05	5	<0.5	<0.2
201339	Soil	34	0.52	212	0.078	<1	1.88	0.012	0.10	0.1	0.03	7.0	0.1	<0.05	5	<0.5	<0.2
201338	Soil	37	0.49	200	0.079	1	1.93	0.009	0.06	0.1	0.04	3.1	0.1	<0.05	6	<0.5	<0.2
201383	Soil	36	0.49	311	0.072	<1	1.74	0.012	0.07	0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
201375	Soil	27	0.83	549	0.192	<1	2.33	0.013	0.55	0.1	<0.01	13.3	0.2	<0.05	9	<0.5	<0.2
201344	Soil	95	1.80	494	0.173	2	3.02	0.017	0.89	<0.1	<0.01	18.5	0.4	<0.05	10	<0.5	<0.2
201325	Soil	37	0.53	157	0.106	<1	1.80	0.011	0.10	0.1	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
201304	Soil	30	0.40	188	0.051	1	1.77	0.008	0.05	0.2	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
201363	Soil	26	0.61	285	0.089	<1	1.88	0.026	0.19	0.1	<0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
201364	Soil	40	0.93	487	0.185	<1	2.28	0.018	0.61	<0.1	0.02	13.3	0.3	<0.05	8	0.6	<0.2
201367	Soil	36	0.53	324	0.078	<1	1.93	0.014	0.09	<0.1	<0.01	7.3	0.1	<0.05	6	<0.5	<0.2
201358	Soil	37	1.14	264	0.274	<1	2.95	0.009	1.07	0.1	<0.01	12.1	0.5	<0.05	12	<0.5	<0.2
201340	Soil	35	0.46	234	0.067	<1	2.33	0.009	0.04	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
201305	Soil	36	0.57	297	0.086	1	1.58	0.021	0.11	0.2	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
201386	Soil	37	0.46	262	0.069	<1	1.65	0.011	0.07	0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
201362	Soil	33	1.03	249	0.172	<1	2.21	0.025	0.22	0.1	<0.01	6.9	0.1	<0.05	6	<0.5	<0.2



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201369	Soil	0.6	25.3	7.2	35	0.1	16.1	6.7	145	1.88	5.9	3.6	3.0	24	<0.1	0.3	0.2	51	0.31	0.039	10
201341	Soil	0.9	25.8	12.0	57	<0.1	18.0	9.6	262	3.09	8.0	2.2	6.0	18	<0.1	0.9	0.3	61	0.16	0.020	15
201377	Soil	0.7	23.7	7.3	45	<0.1	19.9	11.8	369	2.95	10.1	3.6	2.9	25	0.1	0.5	0.2	87	0.31	0.052	10
201393	Soil	0.7	31.3	10.3	67	<0.1	22.9	10.8	364	3.01	10.5	4.5	6.6	26	<0.1	0.8	0.2	61	0.31	0.034	22
201371	Soil	0.5	35.8	9.4	69	<0.1	17.0	11.1	311	3.02	6.0	1.8	3.3	24	<0.1	0.3	0.2	83	0.38	0.056	11
201382	Soil	1.0	12.9	9.0	41	<0.1	15.6	7.0	261	2.24	8.7	2.2	2.9	21	<0.1	0.6	0.5	55	0.24	0.022	10
201391	Soil	0.7	20.9	9.2	47	<0.1	23.7	9.9	507	2.55	10.8	3.2	4.7	31	<0.1	0.7	0.3	55	0.37	0.046	15
201387	Soil	0.8	25.0	8.2	47	<0.1	23.7	10.6	392	2.64	11.1	2.9	5.5	35	<0.1	0.8	0.2	60	0.45	0.060	20
201374	Soil	0.7	22.0	10.3	47	<0.1	18.2	9.0	293	2.93	6.1	8.0	3.6	35	<0.1	0.3	0.2	60	0.37	0.051	13
201335	Soil	0.9	14.3	15.3	62	<0.1	12.5	6.1	199	2.41	7.5	1.5	3.7	15	<0.1	0.6	0.2	48	0.09	0.016	9
201301	Soil	0.6	25.7	11.1	48	<0.1	20.9	10.7	216	2.74	10.8	2.3	4.5	42	<0.1	0.5	0.2	67	0.49	0.053	19
201388	Soil	0.8	18.2	13.4	45	<0.1	18.2	8.0	185	2.31	8.3	1.6	3.8	24	<0.1	0.6	0.2	56	0.27	0.032	17
201385	Soil	0.7	26.3	8.7	44	<0.1	20.6	9.1	221	2.56	9.3	2.0	3.9	28	<0.1	0.6	0.2	60	0.33	0.037	12
201389	Soil	0.8	29.4	12.0	60	<0.1	20.9	9.2	264	2.79	9.9	1.6	4.5	32	<0.1	0.7	0.2	62	0.38	0.036	14
201316	Soil	1.0	12.4	14.5	52	<0.1	13.5	7.5	197	2.75	9.0	1.2	3.4	16	<0.1	0.7	0.2	62	0.15	0.019	8
201352	Soil	0.9	40.3	14.6	47	0.2	16.9	6.8	351	2.46	6.6	3.9	7.2	23	0.1	0.8	0.9	54	0.26	0.023	20
201356	Soil	0.7	19.7	11.8	42	<0.1	10.8	6.0	283	1.92	4.9	1.7	6.1	22	<0.1	0.9	0.8	43	0.24	0.033	16
201354	Soil	1.0	43.6	15.2	89	0.2	9.6	5.5	408	2.29	3.8	1.1	7.1	20	0.1	2.2	1.9	37	0.20	0.032	20
201349	Soil	0.6	22.8	12.0	54	0.1	16.1	7.7	410	2.32	6.5	10.7	4.1	21	<0.1	0.5	0.2	56	0.22	0.017	13
201337	Soil	0.9	20.1	7.9	69	<0.1	9.7	7.0	269	2.36	5.5	1.5	3.6	13	<0.1	0.7	0.2	59	0.11	0.027	8
201311	Soil	0.8	15.8	12.0	47	<0.1	19.1	8.1	282	2.44	9.7	2.0	4.8	29	0.2	0.7	0.2	62	0.30	0.023	12
201324	Soil	0.7	13.8	10.3	64	<0.1	10.3	9.9	493	3.25	4.8	0.9	10.4	16	<0.1	0.3	0.1	62	0.23	0.040	16
201329	Soil	0.8	45.4	9.5	120	0.3	20.2	10.6	466	2.96	7.5	0.8	5.3	15	0.2	0.5	0.5	69	0.12	0.025	11
201302	Soil	0.2	33.1	5.5	103	<0.1	6.4	16.7	1075	5.09	1.3	1.3	1.7	57	<0.1	0.2	<0.1	119	0.67	0.098	7
201372	Soil	0.5	17.5	8.0	45	0.1	16.8	7.1	192	2.20	5.6	3.7	3.4	24	<0.1	0.5	0.2	55	0.29	0.038	12
202234	Soil	0.6	21.3	9.2	71	<0.1	17.7	11.4	526	2.99	5.7	4.9	3.6	25	<0.1	0.4	0.2	74	0.35	0.078	11
201380	Soil	0.9	11.5	7.2	153	<0.1	10.7	11.1	635	4.65	7.1	0.8	2.3	23	<0.1	0.3	0.2	95	0.30	0.030	5
201365	Soil	0.6	51.3	6.4	36	<0.1	21.2	10.2	233	2.41	8.3	2.9	3.9	30	<0.1	0.5	0.1	59	0.36	0.039	15
201392	Soil	0.8	21.2	8.9	61	<0.1	19.0	8.5	360	2.86	9.6	1.4	5.1	27	<0.1	0.6	0.2	60	0.37	0.055	19
201348	Soil	0.9	13.8	12.0	52	<0.1	13.3	7.1	923	2.07	4.7	2.5	3.8	16	0.3	0.5	0.5	46	0.15	0.041	10



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201369	Soil	24	0.48	174	0.063	<1	1.14	0.015	0.04	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
201341	Soil	33	0.60	205	0.078	2	2.08	0.010	0.09	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
201377	Soil	27	0.60	326	0.088	1	1.64	0.015	0.12	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
201393	Soil	33	0.56	364	0.105	<1	1.52	0.015	0.22	<0.1	0.02	8.0	0.1	<0.05	5	<0.5	<0.2
201371	Soil	26	0.89	290	0.130	<1	1.81	0.018	0.32	0.1	0.02	5.5	0.1	<0.05	6	<0.5	<0.2
201382	Soil	29	0.41	248	0.060	<1	1.28	0.009	0.08	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
201391	Soil	33	0.44	346	0.070	1	1.34	0.017	0.08	0.2	0.02	5.5	<0.1	<0.05	4	<0.5	<0.2
201387	Soil	34	0.48	374	0.069	<1	1.51	0.018	0.05	0.1	0.01	6.7	<0.1	<0.05	4	<0.5	<0.2
201374	Soil	24	0.65	419	0.093	<1	1.55	0.022	0.12	<0.1	0.02	6.6	<0.1	<0.05	5	<0.5	<0.2
201335	Soil	23	0.40	186	0.040	1	1.91	0.007	0.05	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
201301	Soil	34	0.54	292	0.071	<1	1.61	0.020	0.08	0.2	0.03	6.1	0.1	<0.05	5	<0.5	<0.2
201388	Soil	31	0.41	330	0.055	<1	1.41	0.011	0.05	0.2	0.02	4.9	<0.1	<0.05	4	<0.5	<0.2
201385	Soil	31	0.51	312	0.070	<1	1.48	0.013	0.06	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
201389	Soil	35	0.52	339	0.083	<1	1.57	0.015	0.09	0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
201316	Soil	26	0.44	194	0.067	2	1.60	0.008	0.10	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
201352	Soil	29	0.47	321	0.062	<1	1.57	0.009	0.07	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
201356	Soil	22	0.38	209	0.063	<1	1.34	0.011	0.07	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
201354	Soil	19	0.39	196	0.052	2	1.23	0.008	0.28	0.2	0.04	3.1	0.2	<0.05	5	<0.5	<0.2
201349	Soil	31	0.54	248	0.076	<1	1.48	0.011	0.07	0.3	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
201337	Soil	21	0.52	163	0.068	4	1.72	0.010	0.19	<0.1	0.04	2.8	0.2	<0.05	6	<0.5	<0.2
201311	Soil	33	0.51	310	0.089	<1	1.52	0.012	0.11	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
201324	Soil	21	1.36	191	0.188	<1	2.37	0.009	1.04	0.1	0.02	5.9	0.3	<0.05	8	<0.5	<0.2
201329	Soil	31	0.69	310	0.123	1	2.04	0.009	0.31	0.1	0.02	3.4	0.3	<0.05	6	<0.5	<0.2
201302	Soil	12	1.61	495	0.238	<1	2.36	0.008	0.68	<0.1	0.02	8.4	0.3	<0.05	9	<0.5	<0.2
201372	Soil	28	0.52	246	0.088	<1	1.42	0.015	0.13	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
202234	Soil	29	0.73	318	0.130	1	1.63	0.013	0.34	0.1	0.01	4.2	0.1	<0.05	6	<0.5	<0.2
201380	Soil	19	1.27	587	0.182	2	2.69	0.010	1.15	<0.1	<0.01	13.2	0.5	<0.05	11	<0.5	<0.2
201365	Soil	34	0.61	222	0.075	<1	1.46	0.017	0.06	0.1	0.02	6.4	<0.1	<0.05	4	<0.5	<0.2
201392	Soil	30	0.51	346	0.093	1	1.57	0.012	0.25	0.1	0.01	5.7	0.1	<0.05	6	<0.5	<0.2
201348	Soil	22	0.31	284	0.064	1	1.12	0.011	0.12	<0.1	0.02	2.4	0.1	<0.05	4	<0.5	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201361	Soil	0.6	36.1	7.9	46	<0.1	20.1	9.9	258	2.78	9.3	5.8	4.4	32	<0.1	0.6	0.1	74	0.38	0.025	15
201353	Soil	0.8	23.0	12.0	42	0.1	14.2	6.3	219	2.28	7.9	1.7	3.9	21	<0.1	0.6	0.6	54	0.22	0.031	12
201355	Soil	0.6	42.8	10.1	56	<0.1	15.5	6.7	204	2.22	4.3	1.3	7.3	24	<0.1	1.8	1.7	43	0.30	0.039	23
201379	Soil	1.0	50.7	8.2	41	<0.1	16.5	11.3	455	4.17	7.4	0.8	4.0	36	<0.1	0.4	0.2	54	0.24	0.049	11
201346	Soil	0.9	21.0	10.7	53	0.1	21.1	8.3	243	2.76	9.2	1.8	4.7	13	<0.1	0.7	0.2	71	0.11	0.019	10
201334	Soil	1.0	22.9	12.5	50	<0.1	24.3	10.1	390	2.81	10.4	2.8	6.2	22	<0.1	0.6	0.2	68	0.19	0.015	17
201345	Soil	1.3	22.9	12.5	45	0.2	17.1	14.2	877	2.65	8.7	3.7	6.3	23	0.1	0.6	0.2	59	0.21	0.023	18
201350	Soil	0.5	24.7	20.9	60	0.2	16.3	7.9	356	2.48	4.7	1.4	3.4	30	0.1	0.5	0.2	54	0.36	0.024	11
201336	Soil	1.0	17.4	12.0	36	0.2	15.3	6.2	252	2.39	6.1	1.4	5.9	21	<0.1	0.6	0.2	62	0.19	0.015	17
201347	Soil	1.1	13.2	11.7	49	0.1	15.7	7.5	449	2.58	8.4	2.4	3.4	18	0.1	0.7	0.2	59	0.17	0.022	9
201333	Soil	1.0	12.7	10.6	47	0.2	15.9	12.5	1593	2.46	6.0	1.8	3.2	27	0.1	0.4	0.2	61	0.18	0.036	12
201331	Soil	1.1	16.8	17.0	51	0.6	11.6	6.4	200	2.32	7.1	4.9	3.5	11	0.2	0.5	0.4	53	0.09	0.026	9
201366	Soil	0.6	43.4	6.1	38	<0.1	19.7	10.2	186	2.30	5.8	10.9	2.6	19	<0.1	0.4	0.1	59	0.28	0.018	8
201342	Soil	0.9	21.0	13.7	43	<0.1	18.0	9.4	271	2.68	8.3	4.6	6.5	19	<0.1	0.6	0.2	54	0.16	0.015	25
201343	Soil	1.0	12.9	21.1	54	<0.1	15.9	7.6	243	3.04	9.0	1.2	3.6	15	0.1	0.5	0.3	68	0.12	0.024	8
201381	Soil	0.8	16.6	6.8	64	<0.1	14.9	7.6	235	2.59	7.2	4.4	2.9	27	<0.1	0.6	0.1	45	0.32	0.034	10
202218	Soil	0.6	36.5	5.6	51	<0.1	13.0	10.7	259	3.34	5.7	5.0	1.9	17	<0.1	0.5	<0.1	95	0.25	0.018	5
202244	Soil	0.9	13.9	8.9	44	<0.1	18.8	8.6	267	2.67	8.4	1.0	2.8	15	<0.1	0.8	0.2	59	0.14	0.020	9
202245	Soil	0.6	26.2	7.3	83	<0.1	19.5	17.0	390	3.70	7.8	1.8	3.3	18	<0.1	0.5	0.1	95	0.28	0.054	10
201378	Soil	0.7	59.7	3.9	163	<0.1	8.8	11.8	379	4.22	3.2	2.1	3.4	34	0.1	0.2	<0.1	92	0.30	0.071	14
201384	Soil	0.8	35.4	3.9	41	<0.1	19.2	14.3	416	6.18	6.3	3.2	5.0	30	<0.1	0.4	<0.1	31	0.52	0.075	21
201351	Soil	0.9	20.7	14.7	47	<0.1	16.6	7.4	257	2.54	9.4	4.7	5.1	21	<0.1	0.9	0.7	52	0.24	0.022	11
202221	Soil	0.8	26.7	7.7	51	<0.1	12.5	10.2	538	2.57	5.5	1.7	1.9	20	0.1	0.4	0.1	70	0.24	0.035	7
202312	Soil	0.7	21.3	6.2	40	<0.1	20.5	13.0	240	2.82	7.9	4.7	2.4	17	<0.1	0.5	<0.1	64	0.25	0.019	7
202313	Soil	0.8	14.8	11.5	39	0.2	15.5	7.6	199	2.26	6.6	2.7	3.4	20	<0.1	0.5	0.2	53	0.20	0.015	11
202180	Soil	1.1	13.0	9.9	46	<0.1	17.0	8.1	215	2.79	9.4	1.3	4.3	15	<0.1	0.7	0.2	63	0.13	0.014	10
202152	Soil	1.7	11.5	8.3	44	0.1	12.3	6.6	300	2.33	6.3	90.6	4.2	23	<0.1	0.4	0.2	51	0.27	0.029	13
202317	Soil	0.5	21.9	7.6	38	<0.1	17.3	7.6	206	2.17	6.8	2.1	3.8	27	<0.1	0.5	0.1	49	0.34	0.039	13
202182	Soil	0.7	15.6	9.5	44	<0.1	16.6	7.6	183	2.39	7.7	5.4	7.6	17	<0.1	0.5	0.1	54	0.16	0.014	15
202193	Soil	0.7	10.3	25.0	62	0.3	12.8	9.7	561	2.21	4.4	4.5	2.4	28	0.2	0.4	0.2	59	0.25	0.016	8



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680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201361	Soil	36	0.59	209	0.090	<1	1.87	0.020	0.07	<0.1	0.01	6.4	<0.1	<0.05	5	<0.5	<0.2
201353	Soil	27	0.40	227	0.058	<1	1.55	0.010	0.05	0.2	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
201355	Soil	27	0.66	202	0.076	<1	1.52	0.010	0.14	0.1	0.03	3.0	0.1	<0.05	4	<0.5	<0.2
201379	Soil	31	0.56	532	0.096	<1	1.67	0.011	0.28	<0.1	<0.01	11.0	0.1	<0.05	7	<0.5	<0.2
201346	Soil	41	0.48	215	0.070	<1	2.14	0.011	0.04	0.1	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
201334	Soil	42	0.50	260	0.080	<1	2.01	0.010	0.06	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
201345	Soil	36	0.47	291	0.066	2	2.03	0.010	0.05	0.1	0.05	5.3	0.1	<0.05	5	<0.5	<0.2
201350	Soil	29	0.76	294	0.097	<1	1.70	0.012	0.08	0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
201336	Soil	27	0.36	217	0.077	1	1.99	0.009	0.03	0.1	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
201347	Soil	28	0.44	237	0.064	1	1.59	0.008	0.08	0.2	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
201333	Soil	27	0.32	332	0.057	<1	1.84	0.008	0.04	0.1	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
201331	Soil	22	0.33	165	0.063	2	1.48	0.008	0.12	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
201366	Soil	35	0.68	210	0.076	<1	1.61	0.017	0.07	<0.1	0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
201342	Soil	34	0.49	276	0.071	<1	1.87	0.013	0.06	0.1	0.04	5.7	0.1	<0.05	5	<0.5	<0.2
201343	Soil	31	0.56	106	0.101	<1	1.62	0.007	0.14	0.1	0.01	2.7	0.2	<0.05	7	<0.5	<0.2
201381	Soil	23	0.47	440	0.059	3	1.57	0.012	0.10	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
202218	Soil	22	0.72	204	0.093	<1	2.00	0.030	0.10	<0.1	0.02	7.7	<0.1	<0.05	6	<0.5	<0.2
202244	Soil	32	0.43	233	0.060	<1	1.86	0.008	0.05	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
202245	Soil	29	1.32	343	0.168	1	2.53	0.009	0.16	0.1	0.02	6.4	0.1	<0.05	8	<0.5	<0.2
201378	Soil	22	0.93	725	0.205	<1	2.06	0.013	0.85	0.1	0.01	10.2	0.4	<0.05	7	<0.5	<0.2
201384	Soil	15	1.04	552	0.125	<1	1.93	0.019	0.30	<0.1	0.03	20.3	0.1	<0.05	11	<0.5	<0.2
201351	Soil	29	0.42	176	0.080	<1	1.51	0.008	0.11	0.2	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
202221	Soil	25	0.55	259	0.086	<1	1.67	0.014	0.12	0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
202312	Soil	35	0.89	198	0.096	<1	1.98	0.021	0.22	<0.1	0.01	4.5	0.1	<0.05	5	<0.5	<0.2
202313	Soil	29	0.38	267	0.067	<1	1.47	0.011	0.06	0.1	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
202180	Soil	30	0.42	148	0.077	<1	2.10	0.008	0.05	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
202152	Soil	25	0.40	200	0.063	<1	1.55	0.010	0.08	0.3	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
202317	Soil	26	0.42	279	0.060	<1	1.34	0.015	0.05	0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
202182	Soil	28	0.46	188	0.074	<1	1.86	0.011	0.04	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
202193	Soil	24	0.45	447	0.079	1	1.47	0.012	0.11	<0.1	0.01	3.5	0.1	<0.05	5	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202165	Soil	1.1	13.2	7.1	41	0.1	12.1	5.5	257	2.03	4.7	1.1	4.7	21	<0.1	0.3	0.1	41	0.18	0.029	11
202315	Soil	1.1	11.2	7.2	42	<0.1	12.7	6.8	256	2.22	5.5	0.7	3.5	18	<0.1	0.5	0.1	47	0.21	0.023	9
202224	Soil	0.3	8.8	13.4	45	<0.1	3.5	5.0	370	2.02	1.5	<0.5	4.8	21	<0.1	0.6	0.1	19	0.25	0.032	12
202222	Soil	0.9	15.0	7.9	46	0.2	15.2	7.2	261	2.36	7.1	1.7	2.5	20	<0.1	0.5	0.1	59	0.18	0.031	9
202195	Soil	0.8	11.7	8.6	70	0.1	14.8	8.8	1149	2.01	5.0	1.4	2.4	18	0.3	0.5	0.1	48	0.16	0.031	9
202227	Soil	0.6	18.1	5.9	78	<0.1	14.2	11.6	514	3.52	4.8	0.7	2.7	25	<0.1	0.4	<0.1	90	0.33	0.027	8
202210	Soil	1.0	17.3	14.0	50	0.1	18.9	7.5	314	2.51	9.1	3.0	4.0	19	<0.1	0.6	0.2	57	0.17	0.020	11
202212	Soil	0.5	18.8	26.3	44	0.3	15.0	8.4	566	2.42	5.4	0.7	3.0	39	<0.1	0.5	0.3	55	0.49	0.032	11
202316	Soil	0.5	16.4	7.5	41	<0.1	19.7	7.9	270	2.32	7.6	1.4	4.1	28	<0.1	0.6	0.1	50	0.37	0.025	13
202250	Soil	0.5	15.1	5.9	47	0.2	11.0	7.7	238	2.21	4.8	1.0	1.4	28	<0.1	0.3	0.1	57	0.36	0.058	12
202236	Soil	0.6	20.3	7.6	77	0.1	21.9	10.7	450	2.63	6.4	1.5	3.3	44	<0.1	0.4	0.1	61	0.41	0.043	10
202235	Soil	0.6	10.3	7.0	57	<0.1	13.6	9.1	548	2.21	3.5	<0.5	3.0	29	<0.1	0.4	0.1	49	0.35	0.032	10
202243	Soil	0.8	17.7	8.1	70	<0.1	16.6	8.8	325	2.75	8.2	1.7	2.5	21	<0.1	0.6	0.1	55	0.22	0.039	7
202239	Soil	0.6	16.0	8.6	50	<0.1	19.0	7.9	245	2.48	8.3	15.6	3.3	23	<0.1	0.6	0.1	55	0.26	0.027	10
202249	Soil	0.4	24.0	4.6	74	<0.1	13.7	17.3	541	4.15	3.5	1.6	2.6	20	<0.1	0.2	<0.1	118	0.46	0.087	13
202233	Soil	0.5	19.7	7.3	55	<0.1	19.0	9.9	381	3.00	7.3	0.8	3.6	20	<0.1	0.5	0.1	58	0.34	0.024	8
202232	Soil	0.7	13.3	6.5	51	0.1	14.9	9.2	941	2.54	5.6	1.6	2.7	20	0.1	0.4	0.1	56	0.31	0.021	7
202242	Soil	0.6	14.7	7.9	53	<0.1	17.5	7.9	302	2.43	7.6	1.2	3.3	20	<0.1	0.6	0.1	49	0.22	0.021	9
202318	Soil	0.6	12.6	7.7	35	<0.1	15.6	6.7	205	2.18	6.9	3.4	2.6	22	<0.1	0.4	0.1	47	0.30	0.028	9
202287	Soil	1.2	18.7	12.6	52	0.1	18.5	11.1	959	2.91	6.3	<0.5	6.6	25	<0.1	0.5	0.2	68	0.32	0.023	20
202310	Soil	1.1	18.5	20.8	64	0.1	18.5	7.9	222	3.05	10.0	1.2	4.0	14	<0.1	0.5	0.3	64	0.12	0.023	9
202132	Soil	1.8	17.2	17.3	97	<0.1	23.4	8.2	416	2.54	59.9	<0.5	4.0	17	0.2	0.6	0.1	57	0.35	0.014	9
202309	Soil	1.0	15.6	11.3	62	0.1	18.8	9.2	464	3.28	11.8	9.4	6.7	14	0.1	0.6	0.2	62	0.13	0.036	11
202268	Soil	0.9	12.8	9.5	49	<0.1	17.9	7.3	297	2.56	8.6	0.7	3.1	15	0.1	0.6	0.2	52	0.14	0.020	9
202124	Soil	0.4	24.7	7.2	50	<0.1	20.9	9.2	417	2.79	8.6	2.2	4.0	27	<0.1	0.5	0.1	55	0.52	0.047	13
202129	Soil	0.8	78.9	6.6	85	0.4	15.3	10.4	356	3.06	7.2	<0.5	4.1	19	<0.1	0.4	0.1	78	0.33	0.030	7
202264	Soil	0.9	18.6	30.2	48	<0.1	20.3	9.8	265	3.06	10.4	0.7	3.1	17	<0.1	0.6	0.2	68	0.13	0.023	8
202293	Soil	0.5	21.9	10.3	41	<0.1	16.2	7.3	214	2.34	5.6	1.5	7.1	22	<0.1	0.5	0.3	46	0.26	0.030	21
202121	Soil	0.6	9.9	6.8	45	<0.1	13.9	9.7	550	2.34	4.5	<0.5	2.2	14	<0.1	0.4	0.1	51	0.15	0.025	8
202118	Soil	0.7	17.0	8.5	74	<0.1	18.0	9.1	388	2.84	8.4	<0.5	3.3	27	<0.1	0.5	0.1	60	0.29	0.052	10



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			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202165	Soil	22	0.38	198	0.049	3	1.60	0.010	0.13	0.1	0.02	3.2	0.1	<0.05	5	<0.5	<0.2	
202315	Soil	23	0.38	201	0.085	1	1.44	0.009	0.14	0.1	0.01	3.8	0.1	<0.05	5	<0.5	<0.2	
202224	Soil	6	0.28	330	0.006	1	1.21	0.005	0.15	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2	
202222	Soil	25	0.43	185	0.088	<1	1.35	0.010	0.16	0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2	
202195	Soil	24	0.37	370	0.064	<1	1.23	0.012	0.09	0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2	
202227	Soil	28	1.53	412	0.196	<1	2.26	0.012	0.55	0.1	<0.01	10.3	0.2	<0.05	8	<0.5	<0.2	
202210	Soil	34	0.47	261	0.063	<1	1.72	0.009	0.07	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2	
202212	Soil	24	0.45	375	0.061	1	1.56	0.019	0.07	0.1	0.02	6.9	<0.1	<0.05	5	<0.5	<0.2	
202316	Soil	29	0.46	323	0.065	<1	1.50	0.018	0.06	0.1	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2	
202250	Soil	21	0.70	245	0.094	2	1.29	0.013	0.12	0.1	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2	
202236	Soil	40	0.73	356	0.106	<1	1.91	0.012	0.20	0.1	0.02	4.8	0.1	<0.05	7	<0.5	<0.2	
202235	Soil	25	0.41	302	0.086	<1	1.28	0.014	0.20	0.1	<0.01	3.9	<0.1	<0.05	4	<0.5	<0.2	
202243	Soil	27	0.61	244	0.088	3	1.69	0.008	0.20	0.2	0.01	2.6	0.1	<0.05	5	<0.5	<0.2	
202239	Soil	30	0.49	242	0.063	4	1.55	0.008	0.05	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2	
202249	Soil	30	2.14	464	0.236	2	2.47	0.011	0.75	<0.1	0.01	8.4	0.2	<0.05	9	<0.5	<0.2	
202233	Soil	27	0.91	286	0.142	3	1.73	0.011	0.49	0.1	<0.01	6.3	0.2	<0.05	6	<0.5	<0.2	
202232	Soil	26	0.71	366	0.118	2	1.44	0.011	0.39	0.1	0.01	4.9	0.1	<0.05	5	<0.5	<0.2	
202242	Soil	27	0.44	245	0.066	4	1.29	0.009	0.08	0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2	
202318	Soil	24	0.40	271	0.047	2	1.32	0.011	0.04	0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2	
202287	Soil	29	0.67	293	0.113	4	1.75	0.009	0.15	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2	
202310	Soil	36	0.46	138	0.076	2	1.90	0.006	0.06	0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2	
202132	Soil	32	0.60	234	0.060	2	1.72	0.011	0.05	0.1	0.03	6.1	0.1	<0.05	5	<0.5	<0.2	
202309	Soil	30	0.56	159	0.085	<1	2.15	0.006	0.13	0.2	0.03	2.7	0.2	<0.05	7	<0.5	<0.2	
202268	Soil	29	0.45	232	0.057	3	1.50	0.007	0.06	0.2	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2	
202124	Soil	25	0.69	342	0.099	2	1.59	0.018	0.11	0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2	
202129	Soil	23	1.26	279	0.125	2	2.10	0.009	0.28	0.1	<0.01	7.0	0.2	<0.05	6	<0.5	<0.2	
202264	Soil	33	0.51	185	0.083	2	1.84	0.008	0.10	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2	
202293	Soil	27	0.48	321	0.056	2	1.50	0.011	0.05	0.1	0.02	4.5	0.1	<0.05	4	<0.5	<0.2	
202121	Soil	23	0.43	220	0.084	1	1.36	0.011	0.14	0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2	
202118	Soil	27	0.69	302	0.110	1	1.92	0.009	0.20	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2	



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202191	Soil	0.7	10.0	10.8	56	0.2	15.8	7.9	453	2.16	5.6	<0.5	2.6	23	0.2	0.4	0.2	49	0.25	0.018	8
202217	Soil	0.6	12.5	7.0	43	<0.1	12.2	8.7	277	2.90	5.7	<0.5	1.8	22	<0.1	0.4	0.1	77	0.31	0.017	6
202184	Soil	1.1	13.8	10.7	66	<0.1	15.2	6.8	227	3.02	9.2	1.5	4.5	13	<0.1	0.5	0.2	64	0.11	0.024	9
202190	Soil	0.7	25.6	18.0	114	0.2	22.0	10.4	453	2.85	10.1	0.6	4.0	28	0.1	0.6	0.2	61	0.27	0.019	9
202145	Soil	1.2	14.9	9.8	47	<0.1	14.4	6.3	334	2.41	6.5	1.3	4.5	20	<0.1	0.4	0.2	52	0.23	0.030	17
202288	Soil	0.8	20.7	10.2	56	<0.1	23.2	10.8	361	3.22	7.8	<0.5	4.7	16	<0.1	0.6	0.2	71	0.19	0.015	12
202291	Soil	1.3	11.6	11.0	50	0.2	15.8	8.2	363	2.72	8.1	0.5	2.8	11	0.1	0.6	0.2	62	0.11	0.021	8
202237	Soil	0.6	12.1	8.0	68	<0.1	16.6	8.9	539	2.22	5.2	<0.5	2.8	29	0.1	0.5	0.1	51	0.29	0.036	10
202290	Soil	1.0	9.8	28.1	53	0.4	11.3	6.2	597	2.16	5.2	<0.5	2.4	13	0.2	0.4	0.3	54	0.14	0.015	8
202301	Soil	0.4	56.8	11.0	113	<0.1	11.5	18.3	531	4.49	9.3	<0.5	1.4	30	<0.1	0.2	0.1	110	0.40	0.130	4
202297	Soil	1.4	21.6	41.9	83	0.2	15.1	7.5	430	2.77	8.4	1.0	4.1	31	0.1	0.4	0.2	55	0.30	0.028	17
202300	Soil	0.8	12.9	23.8	57	0.2	15.0	10.8	474	2.72	7.9	<0.5	2.5	22	0.1	0.4	0.2	66	0.23	0.090	8
202137	Soil	3.7	44.3	19.1	63	0.2	25.9	9.0	487	2.56	51.0	1.0	3.6	29	0.2	0.5	0.2	58	0.78	0.040	20
202306	Soil	0.8	15.2	7.6	51	0.2	15.7	9.4	481	2.42	6.0	<0.5	2.6	18	<0.1	0.4	0.1	55	0.22	0.027	8
202208	Soil	0.7	10.8	9.3	42	<0.1	11.5	6.8	486	2.08	5.6	<0.5	2.2	22	<0.1	0.5	0.2	53	0.26	0.016	8
202122	Soil	1.2	33.4	4.9	63	<0.1	12.4	9.1	500	2.87	6.5	<0.5	4.0	21	<0.1	0.4	<0.1	52	0.43	0.107	13
202159	Soil	2.5	13.5	8.9	47	<0.1	15.4	7.4	321	2.79	6.7	<0.5	4.9	19	<0.1	0.3	0.2	52	0.22	0.024	12
202211	Soil	0.8	14.8	12.3	47	0.1	17.7	7.8	487	2.53	7.9	<0.5	3.2	18	<0.1	0.6	0.2	56	0.18	0.017	9
202292	Soil	0.7	20.6	11.3	46	0.1	22.3	8.3	241	2.70	8.4	2.1	6.8	19	<0.1	0.6	0.2	61	0.20	0.017	18
202305	Soil	0.4	75.3	6.0	54	0.2	13.7	18.9	457	3.30	3.7	<0.5	1.4	51	<0.1	0.4	<0.1	101	0.85	0.158	4
202304	Soil	1.2	13.7	144.0	58	0.3	13.2	8.4	269	2.94	7.4	<0.5	2.6	26	<0.1	0.5	1.4	69	0.23	0.041	10
202136	Soil	1.9	30.9	11.3	52	<0.1	26.0	10.2	388	2.76	13.9	8.1	5.0	39	<0.1	0.7	0.2	63	0.56	0.029	20
202131	Soil	0.7	28.0	5.4	59	<0.1	17.5	10.8	512	3.18	5.8	1.3	4.3	21	<0.1	0.5	0.1	79	0.29	0.028	18
202125	Soil	1.1	26.1	28.0	61	0.1	21.6	9.0	467	2.97	7.5	2.6	4.7	40	<0.1	0.4	0.3	67	0.71	0.049	18
202223	Soil	0.8	19.1	13.5	92	<0.1	11.2	12.5	625	4.65	6.1	<0.5	4.1	24	<0.1	0.2	0.2	139	0.27	0.088	7
202196	Soil	1.0	16.2	10.2	107	0.1	15.2	10.4	954	2.49	5.8	1.4	3.2	30	0.9	0.5	0.3	63	0.26	0.021	13
202219	Soil	0.5	27.7	69.2	84	0.1	14.3	18.9	499	4.97	6.2	1.4	2.0	44	<0.1	0.5	0.7	144	0.65	0.033	8
202192	Soil	0.7	11.1	14.2	65	0.1	14.8	8.6	904	2.10	3.7	1.7	2.8	30	0.1	0.4	0.2	57	0.29	0.018	11
202151	Soil	1.8	16.6	10.1	47	<0.1	18.3	7.7	266	2.39	6.0	3.1	6.7	30	<0.1	0.4	0.2	52	0.34	0.034	20
202213	Soil	0.8	20.9	10.8	44	0.1	15.3	8.5	344	2.85	6.8	<0.5	3.6	18	<0.1	0.5	0.2	74	0.17	0.017	12



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202191	Soil	28	0.44	285	0.074	2	1.24	0.010	0.12	0.1	0.01	3.1	0.1	<0.05	4	<0.5	<0.2
202217	Soil	22	0.70	234	0.087	<1	1.67	0.015	0.12	<0.1	0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
202184	Soil	27	0.44	148	0.074	1	1.92	0.007	0.06	0.1	0.01	2.6	0.1	<0.05	7	<0.5	<0.2
202190	Soil	35	0.60	368	0.096	3	1.67	0.011	0.20	0.2	0.01	3.9	0.1	<0.05	5	<0.5	<0.2
202145	Soil	26	0.37	225	0.082	2	1.52	0.009	0.08	0.2	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
202288	Soil	51	0.93	230	0.111	<1	2.35	0.008	0.10	0.2	<0.01	4.4	0.2	<0.05	7	<0.5	<0.2
202291	Soil	26	0.35	151	0.061	<1	1.58	0.007	0.05	0.1	0.02	2.2	0.1	<0.05	6	<0.5	<0.2
202237	Soil	27	0.45	328	0.061	1	1.51	0.010	0.12	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
202290	Soil	21	0.33	215	0.055	2	1.30	0.007	0.04	0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
202301	Soil	17	1.93	470	0.295	<1	2.76	0.012	1.15	<0.1	<0.01	2.1	0.5	<0.05	8	<0.5	<0.2
202297	Soil	34	0.59	309	0.068	2	1.69	0.009	0.14	0.1	0.01	2.5	0.2	<0.05	5	3.0	<0.2
202300	Soil	25	0.49	382	0.074	1	1.75	0.010	0.07	0.1	<0.01	2.5	0.1	<0.05	6	<0.5	<0.2
202137	Soil	34	0.82	173	0.072	2	1.91	0.017	0.09	0.1	0.05	5.6	0.2	<0.05	6	0.6	<0.2
202306	Soil	25	0.49	322	0.082	2	1.44	0.010	0.11	0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
202208	Soil	20	0.41	238	0.061	<1	1.23	0.009	0.08	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
202122	Soil	18	0.54	184	0.089	1	1.71	0.007	0.43	0.1	0.01	5.8	0.2	<0.05	5	<0.5	<0.2
202159	Soil	28	0.42	166	0.066	2	1.78	0.009	0.08	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
202211	Soil	30	0.45	276	0.066	<1	1.59	0.008	0.08	0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
202292	Soil	35	0.50	239	0.082	2	1.98	0.010	0.07	0.1	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
202305	Soil	18	1.39	355	0.211	1	2.11	0.043	0.32	0.1	<0.01	5.0	0.1	<0.05	6	<0.5	<0.2
202304	Soil	23	0.67	547	0.135	2	1.92	0.010	0.19	0.2	0.01	2.6	0.2	<0.05	7	<0.5	<0.2
202136	Soil	35	0.58	228	0.097	2	1.69	0.025	0.06	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
202131	Soil	26	1.14	331	0.176	1	2.11	0.014	0.58	<0.1	<0.01	7.3	0.2	<0.05	6	<0.5	<0.2
202125	Soil	28	0.81	427	0.131	3	1.84	0.031	0.15	0.1	0.03	8.0	0.1	<0.05	6	<0.5	<0.2
202223	Soil	51	1.33	414	0.280	<1	2.62	0.014	0.86	<0.1	0.01	15.1	0.3	<0.05	11	<0.5	<0.2
202196	Soil	28	0.41	476	0.102	<1	1.57	0.013	0.13	0.2	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
202219	Soil	29	1.51	316	0.181	1	2.77	0.028	0.32	<0.1	<0.01	13.3	0.2	<0.05	10	<0.5	<0.2
202192	Soil	28	0.44	464	0.096	2	1.46	0.018	0.08	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
202151	Soil	35	0.49	218	0.090	2	1.65	0.015	0.08	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
202213	Soil	32	0.60	238	0.121	<1	1.87	0.013	0.16	0.1	<0.01	4.6	0.2	<0.05	6	<0.5	<0.2



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PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
203068	Soil	0.4	15.9	8.4	69	<0.1	17.5	10.1	308	2.66	5.2	1.1	3.0	69	<0.1	0.2	0.1	61	0.72	0.063	10
203058	Soil	0.3	11.4	15.2	115	<0.1	10.2	10.2	534	2.58	2.7	<0.5	1.9	143	0.1	0.2	0.2	65	0.44	0.088	9
202126	Soil	1.0	14.0	8.3	58	<0.1	18.1	10.0	538	2.74	7.0	<0.5	3.8	22	<0.1	0.6	0.1	65	0.22	0.026	12
202263	Soil	0.6	23.1	23.7	62	<0.1	10.4	12.3	588	3.69	4.1	<0.5	2.0	114	<0.1	0.3	0.3	118	0.36	0.037	7
202205	Soil	1.4	12.9	42.6	69	<0.1	10.8	7.4	452	3.03	8.5	<0.5	4.3	26	0.1	0.4	0.5	81	0.36	0.091	9
202216	Soil	0.8	11.1	9.7	41	<0.1	11.7	7.3	334	2.27	5.5	<0.5	3.1	30	<0.1	0.4	0.2	57	0.33	0.021	12
202274	Soil	0.7	40.1	10.4	52	0.1	25.0	9.8	425	2.46	7.6	4.8	3.9	61	0.3	0.7	0.2	58	1.06	0.059	16
202214	Soil	0.5	37.2	8.4	69	<0.1	12.3	14.1	653	4.02	3.3	<0.5	5.6	22	<0.1	0.2	0.2	99	0.33	0.058	18
202258	Soil	0.8	28.2	10.4	50	0.2	20.0	12.0	701	2.50	6.4	3.3	2.9	71	0.2	0.7	0.1	60	1.00	0.087	17
202298	Soil	0.8	25.3	12.4	47	0.2	26.5	10.9	380	2.87	9.2	0.7	4.7	34	<0.1	0.8	0.2	67	0.70	0.023	18
202257	Soil	0.9	39.8	9.6	63	<0.1	24.2	11.8	639	3.47	7.9	1.4	5.0	34	<0.1	0.7	0.1	87	0.40	0.039	19
203199	Soil	0.6	26.4	10.8	47	<0.1	22.4	9.8	275	2.80	8.0	2.9	4.6	38	<0.1	0.6	0.2	64	0.35	0.038	18
203177	Soil	0.8	19.5	9.6	54	<0.1	19.0	9.2	395	2.74	8.6	<0.5	4.5	23	<0.1	0.8	0.2	69	0.20	0.022	13
202247	Soil	0.6	20.6	7.9	59	<0.1	16.8	13.8	273	3.22	6.7	1.3	4.0	23	<0.1	0.5	0.1	83	0.29	0.054	17
203228	Soil	1.2	14.4	54.0	67	0.3	15.3	7.9	290	2.45	9.0	3.4	3.7	31	0.4	0.6	0.2	55	0.34	0.016	12
202302	Soil	0.6	18.1	7.1	48	0.1	10.3	12.6	513	2.88	4.6	0.7	1.5	29	<0.1	0.3	0.1	98	0.46	0.062	6
202286	Soil	1.2	30.2	15.9	65	<0.1	15.1	7.0	483	2.57	8.1	2.9	7.0	23	0.1	0.6	0.5	61	0.21	0.026	10
202307	Soil	1.0	16.3	9.1	120	0.2	17.8	12.1	2469	2.80	5.6	1.0	2.4	28	0.2	0.5	0.2	72	0.28	0.061	12
202149	Soil	2.0	22.0	12.0	55	0.1	18.0	9.8	409	2.67	8.1	4.6	9.1	28	<0.1	0.5	0.2	63	0.37	0.041	24
203126	Soil	1.0	19.0	8.7	56	<0.1	16.9	11.0	480	2.70	8.2	0.9	3.8	17	<0.1	0.6	0.2	72	0.16	0.031	11



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203068	Soil	29	1.00	277	0.174	2	2.44	0.015	0.15	0.2	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
203058	Soil	35	1.22	221	0.259	<1	1.97	0.014	0.39	<0.1	0.01	1.8	0.2	<0.05	14	<0.5	<0.2
202126	Soil	31	0.59	290	0.107	1	1.84	0.014	0.18	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
202263	Soil	25	0.94	395	0.169	<1	2.02	0.028	0.37	<0.1	0.02	8.7	0.2	<0.05	8	<0.5	<0.2
202205	Soil	21	0.63	175	0.093	1	1.52	0.010	0.18	0.1	0.02	5.1	0.2	<0.05	7	<0.5	<0.2
202216	Soil	24	0.46	224	0.100	<1	1.32	0.018	0.14	0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
202274	Soil	28	0.59	300	0.096	2	1.41	0.036	0.09	0.1	0.04	5.3	<0.1	<0.05	4	<0.5	<0.2
202214	Soil	32	1.00	324	0.196	<1	2.21	0.019	0.54	<0.1	0.01	12.3	0.3	<0.05	8	<0.5	<0.2
202258	Soil	25	0.54	355	0.066	2	1.52	0.025	0.06	0.1	0.05	5.7	<0.1	<0.05	5	0.9	<0.2
202298	Soil	42	0.60	363	0.101	2	1.95	0.025	0.07	0.1	0.02	6.2	0.1	<0.05	5	<0.5	<0.2
202257	Soil	34	0.83	377	0.103	1	2.00	0.020	0.12	0.1	0.04	10.1	0.1	<0.05	7	<0.5	<0.2
203199	Soil	33	0.60	278	0.103	1	1.84	0.018	0.07	0.1	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2
203177	Soil	37	0.53	252	0.100	<1	1.68	0.013	0.18	0.1	0.01	4.4	0.1	<0.05	5	<0.5	<0.2
202247	Soil	30	1.02	285	0.161	2	2.15	0.014	0.17	0.1	0.01	4.2	0.1	<0.05	7	<0.5	<0.2
203228	Soil	28	0.42	214	0.079	2	1.56	0.015	0.09	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
202302	Soil	20	1.02	263	0.176	<1	1.71	0.041	0.16	0.1	<0.01	5.6	0.1	<0.05	7	<0.5	<0.2
202286	Soil	26	0.58	277	0.103	<1	1.85	0.011	0.25	0.2	0.01	4.5	0.2	<0.05	6	<0.5	<0.2
202307	Soil	27	0.53	545	0.095	3	1.96	0.017	0.08	0.1	0.03	3.9	0.2	<0.05	7	<0.5	<0.2
202149	Soil	36	0.47	313	0.086	1	2.13	0.016	0.08	0.2	0.03	5.2	0.1	<0.05	6	<0.5	<0.2
203126	Soil	30	0.50	178	0.100	<1	1.86	0.015	0.09	0.1	0.01	3.9	0.1	<0.05	5	<0.5	<0.2



Bureau Veritas Commodities Canada Ltd.

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
201209	Soil	0.7	30.6	8.3	65	0.1	27.8	10.4	442	2.33	10.6	3.7	4.1	62	0.3	0.7	0.2	50	1.87	0.083	14
REP 201209	QC	0.7	31.7	8.1	66	0.1	28.6	10.5	440	2.42	10.7	2.4	4.1	61	0.3	0.7	0.1	50	1.89	0.083	14
201255	Soil	0.5	41.4	6.0	43	<0.1	13.3	8.3	489	2.32	5.3	0.7	2.0	19	<0.1	0.3	<0.1	67	0.40	0.021	7
REP 201255	QC	0.7	39.9	6.1	42	<0.1	13.7	8.1	512	2.32	5.0	<0.5	2.0	20	<0.1	0.4	0.1	64	0.38	0.022	7
201296	Soil	1.0	15.7	22.4	60	0.2	11.1	6.5	247	2.60	7.5	1.1	2.5	24	<0.1	0.4	0.5	74	0.27	0.038	11
REP 201296	QC	1.1	15.5	23.4	59	0.2	11.0	6.3	247	2.60	7.6	10.9	2.6	25	<0.1	0.5	0.5	71	0.27	0.035	11
202138	Soil	1.1	30.5	9.0	74	0.1	26.4	9.6	403	2.42	12.9	2.3	3.5	60	0.5	0.8	0.2	54	1.61	0.067	14
REP 202138	QC	1.2	31.4	9.2	73	0.1	25.9	9.8	417	2.53	12.8	5.7	3.8	62	0.5	0.8	0.2	55	1.69	0.071	14
201386	Soil	1.0	17.9	14.8	51	<0.1	20.5	8.8	272	2.73	10.9	1.7	4.2	31	<0.1	0.7	0.2	62	0.36	0.031	12
REP 201386	QC	0.9	17.3	14.3	49	<0.1	20.5	8.3	273	2.70	11.2	1.4	4.0	29	<0.1	0.8	0.2	57	0.33	0.029	11
201346	Soil	0.9	21.0	10.7	53	0.1	21.1	8.3	243	2.76	9.2	1.8	4.7	13	<0.1	0.7	0.2	71	0.11	0.019	10
REP 201346	QC	0.9	20.6	10.5	51	0.1	21.4	8.1	244	2.79	9.0	3.6	4.7	13	<0.1	0.6	0.2	69	0.11	0.019	11
202236	Soil	0.6	20.3	7.6	77	0.1	21.9	10.7	450	2.63	6.4	1.5	3.3	44	<0.1	0.4	0.1	61	0.41	0.043	10
REP 202236	QC	0.5	19.6	7.8	75	0.1	22.0	10.7	453	2.59	6.1	1.4	3.3	44	<0.1	0.5	0.1	61	0.41	0.041	10
202159	Soil	2.5	13.5	8.9	47	<0.1	15.4	7.4	321	2.79	6.7	<0.5	4.9	19	<0.1	0.3	0.2	52	0.22	0.024	12
REP 202159	QC	2.7	13.3	9.1	48	<0.1	14.9	7.5	322	2.85	6.9	<0.5	5.2	19	<0.1	0.3	0.2	56	0.23	0.026	12
203126	Soil	1.0	19.0	8.7	56	<0.1	16.9	11.0	480	2.70	8.2	0.9	3.8	17	<0.1	0.6	0.2	72	0.16	0.031	11
REP 203126	QC	0.9	19.7	9.1	59	<0.1	17.8	11.8	510	2.90	8.7	3.3	4.0	18	<0.1	0.7	0.2	75	0.17	0.033	12
Reference Materials																					
STD DS11	Standard	15.8	157.1	136.8	349	1.7	83.4	14.6	1044	3.23	44.3	81.4	7.8	66	2.5	8.8	11.7	51	1.05	0.073	19
STD DS11	Standard	13.5	138.1	136.9	328	1.8	74.6	13.9	999	3.06	45.2	90.6	7.5	65	2.5	8.5	12.0	48	1.03	0.070	18
STD DS11	Standard	14.5	147.0	135.0	331	1.8	79.1	13.8	1059	3.20	40.8	72.4	8.1	70	2.3	8.7	12.4	51	1.04	0.067	21
STD DS11	Standard	14.4	165.2	152.4	351	1.7	83.3	14.5	1034	3.19	45.5	62.6	8.8	71	2.6	9.8	14.0	54	1.09	0.075	21
STD DS11	Standard	14.5	175.4	151.0	346	1.6	81.4	14.3	1069	3.12	44.5	85.5	8.9	70	2.6	10.1	14.4	53	1.03	0.075	22
STD DS11	Standard	13.3	142.4	133.5	341	1.7	74.9	13.6	1009	3.06	40.7	76.5	7.6	69	2.5	8.7	11.5	50	0.99	0.064	19
STD DS11	Standard	14.5	153.6	140.9	345	1.7	79.5	14.0	1053	3.20	42.5	70.8	8.7	78	2.3	9.8	13.1	50	1.06	0.072	23
STD DS11	Standard	14.4	135.8	133.8	319	1.7	72.0	12.9	959	3.04	40.7	67.2	7.7	70	2.6	8.7	11.1	49	1.02	0.068	19
STD DS11	Standard	13.6	145.3	134.1	337	1.7	75.3	12.9	1043	3.15	44.0	67.3	7.4	67	2.3	8.9	11.6	46	1.06	0.070	18



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Client:

Taku Gold Corp

680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project:

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Report Date:

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
201209	Soil	27	0.82	311	0.075	3	1.14	0.033	0.11	0.2	0.04	4.1	0.1	<0.05	4	<0.5	<0.2
REP 201209	QC	27	0.83	307	0.073	3	1.13	0.031	0.11	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
201255	Soil	22	0.55	251	0.076	3	1.27	0.018	0.08	<0.1	0.01	4.5	<0.1	<0.05	4	<0.5	<0.2
REP 201255	QC	23	0.54	259	0.077	3	1.32	0.018	0.08	<0.1	0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
201296	Soil	23	0.58	225	0.103	<1	1.53	0.014	0.12	0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
REP 201296	QC	22	0.59	227	0.103	<1	1.53	0.013	0.11	0.1	0.02	4.3	0.1	<0.05	7	<0.5	<0.2
202138	Soil	27	0.66	338	0.088	4	1.31	0.033	0.11	0.1	0.03	4.5	<0.1	<0.05	4	0.5	<0.2
REP 202138	QC	27	0.69	332	0.088	3	1.40	0.032	0.11	0.2	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
201386	Soil	37	0.46	262	0.069	<1	1.65	0.011	0.07	0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
REP 201386	QC	34	0.45	263	0.063	<1	1.51	0.011	0.07	0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
201346	Soil	41	0.48	215	0.070	<1	2.14	0.011	0.04	0.1	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
REP 201346	QC	40	0.48	210	0.068	<1	2.15	0.011	0.04	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
202236	Soil	40	0.73	356	0.106	<1	1.91	0.012	0.20	0.1	0.02	4.8	0.1	<0.05	7	<0.5	<0.2
REP 202236	QC	38	0.71	341	0.105	1	1.89	0.011	0.19	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
202159	Soil	28	0.42	166	0.066	2	1.78	0.009	0.08	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
REP 202159	QC	30	0.44	171	0.073	2	1.83	0.010	0.08	0.2	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
203126	Soil	30	0.50	178	0.100	<1	1.86	0.015	0.09	0.1	0.01	3.9	0.1	<0.05	5	<0.5	<0.2
REP 203126	QC	32	0.53	183	0.108	1	1.90	0.016	0.10	0.1	0.02	4.2	0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	60	0.87	409	0.093	7	1.16	0.081	0.42	3.3	0.27	3.6	4.9	0.30	5	2.6	4.7
STD DS11	Standard	56	0.81	388	0.094	8	1.12	0.063	0.40	3.0	0.26	2.9	4.9	0.31	5	2.1	4.5
STD DS11	Standard	61	0.81	379	0.103	7	1.14	0.074	0.38	2.9	0.24	3.5	5.0	0.25	5	2.2	4.4
STD DS11	Standard	64	0.83	381	0.099	5	1.13	0.070	0.41	3.1	0.27	3.3	4.7	0.28	5	2.3	4.7
STD DS11	Standard	61	0.82	359	0.099	7	1.15	0.068	0.39	3.0	0.25	3.4	4.7	0.26	5	2.0	4.7
STD DS11	Standard	56	0.84	374	0.093	11	1.14	0.064	0.39	3.0	0.28	2.9	4.8	0.25	5	2.1	4.4
STD DS11	Standard	60	0.80	396	0.113	8	1.20	0.080	0.40	2.9	0.25	3.6	4.8	0.28	5	2.0	4.6
STD DS11	Standard	58	0.81	368	0.096	7	1.14	0.070	0.39	3.1	0.25	3.4	4.9	0.26	5	2.2	4.9
STD DS11	Standard	55	0.79	380	0.088	7	1.11	0.070	0.41	3.0	0.27	3.1	4.8	0.26	5	1.9	4.8



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QUALITY CONTROL REPORT

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		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
STD OXC129	Standard	1.4	28.5	6.5	40	<0.1	82.5	21.8	430	3.12	0.7	204.0	2.0	199	<0.1	<0.1	<0.1	54	0.75	0.113	13
STD OXC129	Standard	1.2	28.2	6.4	43	<0.1	77.0	21.4	436	3.11	0.7	199.2	1.9	184	<0.1	<0.1	<0.1	56	0.68	0.109	12
STD OXC129	Standard	1.3	28.0	6.8	42	<0.1	79.5	20.4	431	3.17	0.6	192.0	2.0	200	<0.1	<0.1	<0.1	56	0.75	0.102	14
STD OXC129	Standard	1.3	30.3	6.7	43	<0.1	79.5	20.8	394	3.06	0.8	190.0	2.1	178	<0.1	<0.1	<0.1	56	0.70	0.111	14
STD OXC129	Standard	1.3	31.6	7.0	43	<0.1	83.4	21.5	428	3.11	0.8	198.4	2.2	188	<0.1	<0.1	<0.1	57	0.69	0.114	15
STD OXC129	Standard	1.2	27.1	6.4	40	<0.1	77.5	19.4	428	2.97	0.7	194.6	1.8	191	<0.1	<0.1	<0.1	52	0.71	0.100	12
STD OXC129	Standard	1.2	27.1	6.7	40	<0.1	78.4	21.0	422	3.11	0.7	187.0	2.1	200	<0.1	<0.1	<0.1	53	0.79	0.102	14
STD OXC129	Standard	1.3	26.7	6.3	39	<0.1	71.4	19.0	403	2.97	<0.5	197.9	1.8	193	<0.1	<0.1	<0.1	51	0.78	0.100	12
STD OXC129	Standard	1.1	26.4	6.4	41	<0.1	73.2	19.5	415	2.98	0.6	192.0	1.8	180	<0.1	<0.1	<0.1	47	0.65	0.096	12
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	0.2	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: September 12, 2017

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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QUALITY CONTROL REPORT

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		AQ201 Cr ppm	AQ201 Mg %	AQ201 Ba ppm	AQ201 Ti %	AQ201 B ppm	AQ201 Al %	AQ201 Na %	AQ201 K %	AQ201 W ppm	AQ201 Hg ppm	AQ201 Sc ppm	AQ201 Ti ppm	AQ201 S %	AQ201 Ga ppm	AQ201 Se ppm	AQ201 Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	54	1.66	53	0.406	1	1.70	0.659	0.41	0.1	<0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	55	1.57	50	0.432	2	1.54	0.568	0.35	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	54	1.58	52	0.427	2	1.66	0.607	0.37	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	54	1.50	47	0.406	<1	1.48	0.555	0.37	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	55	1.61	49	0.419	<1	1.64	0.594	0.36	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	51	1.49	50	0.405	1	1.59	0.584	0.39	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	52	1.53	52	0.440	<1	1.69	0.599	0.35	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	50	1.49	49	0.393	<1	1.61	0.606	0.35	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	46	1.51	49	0.372	2	1.45	0.582	0.36	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 15, 2017
Report Date: September 12, 2017
Page: 1 of 12

CERTIFICATE OF ANALYSIS

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CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202119	Soil	0.7	17.3	7.3	67	<0.1	17.0	11.3	551	2.57	5.0	2.6	2.9	29	<0.1	0.5	0.2	65	0.27	0.050	10
202127	Soil	1.2	17.7	7.3	36	<0.1	12.4	8.8	250	2.23	7.0	2.9	3.9	12	<0.1	0.4	0.2	54	0.14	0.018	12
202130	Soil	0.7	16.6	7.2	68	<0.1	17.5	11.7	561	3.02	7.0	2.7	3.5	21	<0.1	0.5	0.3	79	0.23	0.020	11
202206	Soil	1.0	43.2	14.7	78	<0.1	20.1	14.7	673	4.25	8.3	3.7	4.0	29	0.1	1.5	0.3	108	0.34	0.023	17
202154	Soil	1.2	22.8	6.2	54	0.2	12.3	7.6	611	2.08	4.3	2.9	7.5	46	0.2	0.3	0.5	42	0.79	0.056	52
202198	Soil	0.5	36.5	34.9	61	0.1	17.6	14.5	308	3.67	5.1	2.0	2.8	40	0.1	0.3	0.6	116	0.33	0.035	19
202134	Soil	2.1	33.4	10.6	54	0.1	28.3	9.6	519	2.26	15.6	3.2	4.0	58	0.4	0.6	0.2	48	3.61	0.037	19
202204	Soil	0.5	25.8	11.9	44	0.1	19.5	9.5	229	2.59	6.8	2.5	4.4	26	<0.1	0.5	0.2	67	0.28	0.021	15
202238	Soil	0.8	16.4	9.3	58	<0.1	20.2	9.5	348	2.65	9.5	1.6	3.6	23	<0.1	0.6	0.2	68	0.22	0.036	12
202209	Soil	1.1	12.4	10.2	40	<0.1	13.0	7.0	761	2.35	8.2	1.1	1.9	27	<0.1	0.5	0.2	67	0.33	0.029	11
202220	Soil	0.7	39.5	12.1	70	<0.1	20.2	14.9	716	3.24	7.4	1.7	3.2	26	0.1	0.5	0.2	96	0.30	0.031	10
202128	Soil	0.9	28.2	7.7	64	0.2	17.0	8.7	361	2.67	7.1	2.0	3.5	20	0.1	0.6	0.2	73	0.23	0.023	11
202226	Soil	0.8	9.8	6.0	71	<0.1	10.7	7.4	491	2.31	4.0	1.7	3.2	19	0.1	0.3	0.1	56	0.27	0.034	10
202117	Soil	0.9	17.2	8.7	68	<0.1	19.0	13.1	557	2.94	7.6	1.7	3.9	27	<0.1	0.5	0.2	71	0.26	0.040	14
202225	Soil	0.8	12.1	8.9	55	<0.1	15.2	11.0	1027	2.26	5.4	0.8	3.2	31	0.1	0.6	0.2	59	0.31	0.021	12
202120	Soil	0.7	15.7	7.7	60	<0.1	18.4	9.7	426	2.75	7.3	0.8	4.0	25	<0.1	0.5	0.2	63	0.26	0.040	14
202251	Soil	0.5	14.3	6.2	66	<0.1	16.1	14.6	359	3.08	6.2	1.8	2.7	30	<0.1	0.3	0.1	91	0.33	0.073	13
202289	Soil	1.0	14.2	10.8	54	0.2	16.7	7.5	438	2.72	7.8	1.1	3.8	22	0.1	0.5	0.3	68	0.22	0.017	12
203146	Soil	1.0	25.1	10.3	55	<0.1	24.8	10.9	277	3.06	11.2	5.7	4.2	36	<0.1	0.6	0.2	79	0.47	0.055	13
203145	Soil	0.6	29.2	10.2	64	<0.1	25.9	11.3	614	2.79	10.3	3.5	5.4	41	<0.1	0.7	0.2	69	0.51	0.036	20
203190	Soil	0.8	32.5	11.4	60	<0.1	20.8	11.2	440	2.70	6.8	2.8	3.9	42	0.2	0.6	0.2	72	0.57	0.043	15
203180	Soil	0.8	24.8	10.2	47	<0.1	18.7	9.7	231	2.97	11.2	2.6	3.2	23	<0.1	0.6	0.2	79	0.23	0.032	11
202308	Soil	0.8	18.4	9.9	57	<0.1	17.5	8.7	401	2.89	7.5	2.3	3.9	18	<0.1	0.6	0.2	66	0.15	0.035	11
202294	Soil	0.7	18.7	9.4	51	<0.1	16.2	8.2	254	2.57	7.4	1.9	5.5	22	<0.1	0.6	0.2	64	0.22	0.019	18
202296	Soil	0.7	24.0	9.1	119	<0.1	8.5	10.0	539	3.24	6.6	0.6	3.0	29	0.1	0.3	0.3	60	0.34	0.030	7
202155	Soil	0.9	13.3	4.7	45	<0.1	8.8	5.9	372	2.00	3.6	2.1	9.0	25	<0.1	0.2	0.2	41	0.34	0.043	22
202194	Soil	0.8	17.0	15.5	58	0.2	21.3	9.2	331	2.64	8.6	1.1	4.7	23	<0.1	0.7	0.2	63	0.22	0.019	13
202248	Soil	0.5	25.8	6.9	53	<0.1	15.9	10.6	250	2.75	6.5	2.1	4.4	23	<0.1	0.4	0.1	72	0.32	0.059	19
202262	Soil	1.0	20.0	21.7	49	0.1	17.9	8.9	387	2.78	9.5	0.8	3.9	20	<0.1	0.6	0.3	78	0.19	0.017	13
202311	Soil	1.1	24.5	17.3	87	1.1	26.8	13.2	288	3.21	10.4	3.0	5.1	17	0.2	0.6	0.4	77	0.15	0.024	14



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Project: Rosebute
Report Date: September 12, 2017

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202119	Soil	30	0.63	288	0.103	<1	1.63	0.014	0.13	0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
202127	Soil	23	0.40	115	0.067	<1	1.41	0.008	0.09	0.1	<0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
202130	Soil	30	0.81	338	0.121	<1	1.95	0.013	0.26	0.1	0.02	5.8	0.2	<0.05	6	<0.5	<0.2
202206	Soil	34	0.83	297	0.102	<1	2.18	0.013	0.19	0.2	0.03	12.3	0.2	<0.05	8	<0.5	<0.2
202154	Soil	21	0.40	198	0.078	2	1.45	0.015	0.14	0.2	0.06	4.7	0.1	<0.05	4	<0.5	<0.2
202198	Soil	38	1.26	535	0.187	<1	2.24	0.016	0.56	0.1	0.02	8.5	0.2	<0.05	9	<0.5	<0.2
202134	Soil	28	0.56	221	0.065	2	1.29	0.023	0.05	0.2	0.04	4.8	<0.1	<0.05	4	0.7	<0.2
202204	Soil	32	0.55	290	0.075	<1	1.79	0.016	0.06	0.1	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
202238	Soil	34	0.50	288	0.075	<1	1.71	0.012	0.05	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
202209	Soil	24	0.35	203	0.077	<1	1.18	0.010	0.09	0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
202220	Soil	33	0.71	377	0.130	1	2.29	0.019	0.20	0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
202128	Soil	31	0.71	279	0.114	<1	1.69	0.012	0.19	0.2	<0.01	4.3	0.1	<0.05	5	<0.5	<0.2
202226	Soil	22	0.53	269	0.097	<1	1.80	0.013	0.10	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
202117	Soil	37	0.66	246	0.107	<1	1.96	0.012	0.16	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
202225	Soil	27	0.41	395	0.086	<1	1.39	0.017	0.11	0.1	0.01	2.8	0.1	<0.05	5	<0.5	<0.2
202120	Soil	32	0.57	262	0.104	<1	1.72	0.014	0.17	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
202251	Soil	36	1.35	195	0.170	<1	1.92	0.013	0.16	0.1	0.01	5.2	<0.1	<0.05	7	<0.5	<0.2
202289	Soil	30	0.51	239	0.106	1	1.76	0.012	0.11	0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
203146	Soil	38	0.65	251	0.100	2	1.89	0.022	0.08	0.2	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
203145	Soil	36	0.58	366	0.087	2	1.57	0.030	0.07	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
203190	Soil	29	0.61	351	0.114	1	1.74	0.034	0.10	0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
203180	Soil	32	0.56	182	0.100	1	1.69	0.012	0.14	0.1	0.01	5.0	0.1	<0.05	5	<0.5	<0.2
202308	Soil	31	0.51	162	0.093	1	1.89	0.012	0.09	0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
202294	Soil	31	0.51	257	0.089	2	1.71	0.012	0.11	0.1	0.01	4.3	0.1	<0.05	5	<0.5	<0.2
202296	Soil	16	0.92	165	0.198	2	2.42	0.009	0.61	0.1	<0.01	2.9	0.6	<0.05	7	<0.5	<0.2
202155	Soil	20	0.39	129	0.104	1	1.25	0.015	0.22	0.2	0.01	3.4	0.1	<0.05	4	<0.5	<0.2
202194	Soil	40	0.51	231	0.100	1	1.57	0.014	0.11	0.1	0.01	4.1	0.1	<0.05	5	<0.5	<0.2
202248	Soil	26	0.89	223	0.112	2	1.62	0.015	0.08	0.2	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
202262	Soil	37	0.53	214	0.105	<1	1.83	0.011	0.11	0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
202311	Soil	44	0.52	299	0.090	1	2.72	0.011	0.07	0.1	0.03	3.4	0.1	<0.05	7	<0.5	<0.2



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	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202164	Soil			1.3	11.3	9.6	41	<0.1	11.7	7.4	246	2.27	7.0	2.5	5.3	18	<0.1	0.4	0.2	59	0.17	0.023	15	
202207	Soil			0.9	15.7	10.6	57	0.1	18.7	11.3	907	2.54	6.4	4.5	3.8	19	0.1	0.6	0.2	68	0.18	0.018	13	
202197	Soil			0.5	18.9	9.3	50	<0.1	12.9	9.0	289	2.75	6.4	3.6	3.4	22	<0.1	0.4	0.1	67	0.23	0.027	13	
202229	Soil			0.6	18.7	7.8	60	<0.1	18.8	9.2	412	2.75	7.5	7.5	4.9	28	<0.1	0.5	0.1	71	0.30	0.030	14	
202246	Soil			0.5	21.6	7.8	47	<0.1	15.9	8.2	172	2.17	7.5	2.6	4.2	21	<0.1	0.4	0.1	56	0.26	0.051	16	
202228	Soil			0.5	20.3	6.9	55	<0.1	16.1	9.8	370	2.91	6.8	1.2	4.2	31	<0.1	0.5	<0.1	68	0.29	0.036	12	
202241	Soil			0.7	15.1	7.5	59	<0.1	16.9	8.2	375	2.39	8.0	2.8	2.7	24	<0.1	0.5	0.2	61	0.28	0.042	10	
202150	Soil			1.0	13.3	7.5	45	<0.1	12.5	6.7	247	1.99	5.2	9.6	5.1	23	<0.1	0.3	0.2	47	0.30	0.041	15	
202163	Soil			2.7	14.5	9.9	45	<0.1	14.3	7.6	224	2.51	8.2	6.1	5.9	21	<0.1	0.4	0.3	58	0.24	0.018	21	
202156	Soil			2.0	41.5	7.1	54	0.3	18.5	6.9	604	2.42	4.9	1.9	4.2	77	0.3	0.4	0.4	41	1.31	0.072	101	
203213	Soil			0.6	22.9	8.4	47	<0.1	12.0	7.3	292	2.05	4.6	1.7	10.7	22	<0.1	0.3	0.2	42	0.25	0.029	32	
202173	Soil			0.8	19.9	9.7	56	<0.1	23.9	8.6	302	2.84	10.0	2.2	6.8	26	0.1	0.7	0.2	66	0.22	0.023	17	
202142	Soil			0.9	17.9	9.5	44	<0.1	16.7	8.3	358	2.17	5.7	1.4	6.8	27	<0.1	0.4	0.2	53	0.37	0.030	15	
202185	Soil			0.9	13.3	10.7	59	<0.1	16.6	9.0	255	3.07	8.4	0.8	5.9	15	<0.1	0.4	0.2	64	0.13	0.025	10	
202161	Soil			2.9	22.8	10.3	57	0.3	17.2	7.5	263	2.54	4.8	1.2	4.8	21	<0.1	0.3	0.6	58	0.28	0.028	19	
202215	Soil			0.4	21.4	6.0	62	<0.1	9.8	8.8	414	3.22	4.3	1.8	2.6	18	<0.1	0.2	<0.1	75	0.21	0.039	9	
203178	Soil			0.8	13.5	9.4	41	0.1	18.0	7.6	237	2.21	7.8	0.6	3.1	19	<0.1	0.5	0.2	54	0.21	0.019	9	
203167	Soil			0.7	25.2	5.0	60	<0.1	13.1	12.5	328	3.25	4.5	1.0	1.9	57	<0.1	0.3	<0.1	79	0.48	0.057	5	
203183	Soil			0.8	20.3	9.0	46	<0.1	14.8	8.8	432	2.42	5.9	1.6	2.7	21	<0.1	0.4	0.1	65	0.23	0.018	8	
203231	Soil			1.0	18.5	12.3	48	<0.1	26.0	8.0	211	2.71	7.2	1.0	3.7	16	<0.1	0.5	0.6	61	0.17	0.016	12	
203197	Soil			0.6	17.1	9.4	76	<0.1	13.8	8.4	720	2.97	6.0	3.2	3.1	20	<0.1	0.3	0.1	51	0.21	0.034	9	
203176	Soil			0.5	6.5	5.2	18	<0.1	4.2	2.0	317	0.90	3.2	1.6	1.9	12	<0.1	0.2	0.1	32	0.13	0.022	9	
203173	Soil			0.7	20.6	7.9	43	<0.1	17.3	8.9	660	2.38	8.6	2.2	4.5	26	<0.1	0.5	0.1	52	0.38	0.029	13	
203163	Soil			1.0	10.3	7.1	38	<0.1	10.2	5.4	228	2.19	8.7	0.7	2.0	16	<0.1	0.4	0.1	51	0.14	0.032	8	
203215	Soil			1.2	10.4	10.6	46	<0.1	8.6	5.4	233	2.11	6.6	1.2	5.2	15	<0.1	0.3	0.2	54	0.15	0.028	13	
203232	Soil			1.4	15.7	11.4	48	0.2	14.9	7.2	217	3.00	8.2	1.8	4.8	16	<0.1	0.5	0.2	69	0.14	0.022	13	
203227	Soil			0.8	21.2	8.3	47	<0.1	21.5	9.1	375	2.68	9.9	2.3	7.1	26	<0.1	0.6	0.2	60	0.31	0.026	13	
203169	Soil			0.9	13.5	6.7	40	<0.1	12.7	9.3	372	2.60	6.3	3.0	2.3	58	<0.1	0.3	0.1	70	0.29	0.046	8	
203168	Soil			0.5	33.9	3.3	147	<0.1	21.7	11.5	388	3.38	4.0	0.5	0.8	46	<0.1	0.2	<0.1	95	0.64	0.191	2	
203175	Soil			0.7	11.5	7.3	31	<0.1	25.2	6.5	221	1.76	4.8	6.1	2.8	25	<0.1	0.3	0.1	47	0.32	0.025	12	



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202164	Soil	24	0.37	154	0.093	2	1.55	0.010	0.10	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
202207	Soil	34	0.45	353	0.088	<1	1.67	0.013	0.08	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
202197	Soil	24	0.76	369	0.128	1	1.72	0.011	0.30	0.1	0.02	6.1	0.2	<0.05	6	<0.5	<0.2
202229	Soil	32	0.84	274	0.152	1	1.89	0.012	0.31	0.1	0.01	7.2	0.1	<0.05	6	<0.5	<0.2
202246	Soil	26	0.50	199	0.082	1	1.39	0.013	0.05	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
202228	Soil	27	0.88	291	0.192	<1	1.83	0.011	0.42	0.1	0.02	5.4	0.2	<0.05	6	<0.5	<0.2
202241	Soil	27	0.53	264	0.090	1	1.45	0.010	0.11	0.2	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
202150	Soil	24	0.39	221	0.067	2	1.24	0.010	0.06	0.3	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
202163	Soil	31	0.39	305	0.045	2	1.68	0.008	0.07	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
202156	Soil	25	0.35	362	0.044	4	1.95	0.011	0.10	0.2	0.10	6.7	<0.1	0.06	5	1.0	<0.2
203213	Soil	22	0.41	185	0.095	<1	1.35	0.011	0.15	0.2	0.02	3.7	0.2	<0.05	5	<0.5	<0.2
202173	Soil	38	0.51	205	0.091	<1	1.90	0.009	0.10	0.1	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
202142	Soil	29	0.39	254	0.091	1	1.52	0.015	0.05	0.1	0.01	3.9	0.1	<0.05	5	<0.5	<0.2
202185	Soil	31	0.56	152	0.088	1	2.11	0.007	0.08	0.1	0.01	3.0	0.2	<0.05	7	<0.5	<0.2
202161	Soil	45	0.53	284	0.072	2	1.59	0.010	0.11	0.2	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
202215	Soil	21	0.91	215	0.170	<1	1.95	0.009	0.51	<0.1	0.01	9.8	0.3	<0.05	7	<0.5	<0.2
203178	Soil	26	0.37	244	0.057	<1	1.43	0.008	0.06	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
203167	Soil	19	0.72	193	0.182	<1	2.26	0.008	0.27	0.2	<0.01	4.4	0.1	<0.05	7	<0.5	<0.2
203183	Soil	28	0.50	256	0.098	<1	1.36	0.013	0.19	0.1	0.02	4.5	0.1	<0.05	5	<0.5	<0.2
203231	Soil	50	0.48	229	0.072	<1	1.83	0.007	0.11	0.1	0.01	4.2	0.2	<0.05	6	<0.5	<0.2
203197	Soil	21	0.63	201	0.114	<1	1.74	0.010	0.33	<0.1	0.01	7.1	0.2	<0.05	7	<0.5	<0.2
203176	Soil	10	0.19	216	0.079	<1	0.70	0.008	0.07	0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
203173	Soil	25	0.53	670	0.083	<1	1.55	0.014	0.11	0.2	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
203163	Soil	20	0.32	181	0.068	<1	1.43	0.006	0.08	0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
203215	Soil	18	0.33	114	0.091	<1	1.30	0.006	0.17	0.2	<0.01	2.7	0.2	<0.05	7	<0.5	<0.2
203232	Soil	29	0.39	162	0.069	2	2.03	0.007	0.09	0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
203227	Soil	32	0.47	237	0.094	2	1.63	0.013	0.15	0.1	0.01	4.6	0.1	<0.05	5	<0.5	<0.2
203169	Soil	25	0.88	1173	0.128	<1	1.87	0.010	0.14	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
203168	Soil	31	1.68	168	0.199	<1	2.53	0.007	0.53	0.1	<0.01	1.2	0.2	<0.05	10	<0.5	<0.2
203175	Soil	54	0.63	532	0.095	<1	1.36	0.011	0.06	0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203222	Soil	0.9	14.4	15.7	52	0.1	16.5	9.2	287	2.56	8.0	1.1	4.8	25	<0.1	0.6	0.1	56	0.32	0.038	11
203238	Soil	0.4	28.1	8.9	55	0.1	22.7	9.4	487	2.22	8.5	1.9	2.9	44	0.3	0.7	0.1	47	1.71	0.058	13
203212	Soil	0.5	15.4	7.4	31	<0.1	10.1	4.0	137	1.42	3.0	1.0	9.4	23	<0.1	0.3	0.1	33	0.18	0.021	30
203057	Soil	0.5	11.8	8.6	41	<0.1	14.0	6.5	142	2.25	7.4	3.5	2.4	21	<0.1	0.4	0.1	54	0.17	0.018	10
203251	Soil	0.6	74.1	4.7	77	<0.1	15.8	19.0	773	4.79	2.6	1.7	1.2	58	<0.1	0.2	<0.1	155	0.75	0.045	5
203216	Soil	1.0	18.0	11.9	51	<0.1	15.1	8.3	248	2.79	8.3	2.1	8.2	20	<0.1	0.4	0.2	54	0.23	0.027	22
203217	Soil	0.8	13.0	11.5	37	<0.1	10.9	5.5	161	1.88	5.2	2.6	6.6	21	<0.1	0.3	0.2	44	0.24	0.029	25
203241	Soil	0.6	25.5	8.4	50	<0.1	19.1	8.9	494	2.16	12.1	2.6	2.1	49	0.2	0.7	0.1	44	2.09	0.064	13
203053	Soil	0.5	17.6	8.5	42	<0.1	16.2	8.0	206	2.16	7.1	2.1	3.7	21	<0.1	0.4	0.2	50	0.25	0.038	13
203240	Soil	0.5	24.6	9.8	50	<0.1	18.8	8.5	375	2.26	15.2	2.0	2.8	39	0.2	1.1	0.2	45	1.76	0.063	16
203067	Soil	0.4	32.4	6.6	44	0.1	16.3	9.1	703	2.22	6.1	2.8	3.2	36	<0.1	0.4	0.1	46	0.88	0.074	31
203239	Soil	0.5	25.1	8.2	45	<0.1	16.7	7.0	295	1.91	9.4	2.6	1.8	45	0.2	0.6	0.1	38	1.98	0.056	12
203236	Soil	0.9	13.8	11.1	36	<0.1	14.7	6.6	278	1.88	5.4	0.7	9.0	24	0.1	0.5	0.2	40	0.28	0.035	15
203185	Soil	1.2	15.5	9.9	49	<0.1	18.2	8.2	559	2.31	8.0	0.8	2.8	24	0.1	0.6	0.2	57	0.26	0.022	9
203225	Soil	1.2	13.3	8.9	60	0.2	12.5	10.0	774	2.57	6.2	0.8	4.7	15	0.1	0.6	0.3	63	0.12	0.025	10
203211	Soil	0.6	17.6	9.3	43	<0.1	20.4	9.2	243	2.47	9.3	3.2	4.0	19	<0.1	0.6	0.1	54	0.16	0.027	11
203203	Soil	0.8	31.5	9.2	57	<0.1	23.4	9.8	410	2.42	8.7	3.2	4.2	62	0.2	0.8	0.2	54	1.34	0.060	15
203202	Soil	0.6	24.2	9.8	60	<0.1	19.4	8.7	295	2.52	6.4	1.0	4.3	49	<0.1	0.6	0.2	58	0.56	0.053	14
203192	Soil	0.6	24.9	8.5	52	<0.1	19.1	8.8	324	2.49	7.3	1.9	4.2	44	0.1	0.6	0.2	60	0.55	0.056	14
203233	Soil	0.9	16.5	9.9	47	<0.1	20.9	9.1	278	2.60	6.7	0.9	11.7	21	<0.1	0.5	0.2	56	0.19	0.029	28
203191	Soil	0.5	32.6	11.1	55	0.1	22.6	9.6	351	2.36	8.4	2.0	3.7	53	0.2	0.8	0.2	59	1.03	0.050	14
203204	Soil	0.5	25.2	9.9	61	<0.1	14.8	10.4	322	2.72	5.8	1.0	3.5	38	<0.1	0.6	0.1	70	0.41	0.041	13
204036	Soil	0.6	34.4	11.6	50	<0.1	15.6	9.2	263	2.43	7.4	0.7	3.6	41	<0.1	0.6	0.1	61	0.45	0.048	13
204477	Soil	0.6	20.0	15.2	92	<0.1	18.1	12.4	408	3.06	12.3	2.7	3.3	47	0.1	0.5	0.1	76	0.45	0.080	11
202314	Soil	0.9	16.1	9.0	48	0.1	17.0	9.3	326	2.27	7.4	1.3	4.2	22	<0.1	0.8	0.2	56	0.20	0.015	11
203074	Soil	0.9	16.8	9.6	42	<0.1	14.8	6.3	235	2.35	6.1	1.6	8.2	23	<0.1	0.4	0.2	55	0.22	0.016	25
204047	Soil	0.6	17.3	12.8	40	<0.1	14.7	7.8	202	2.38	7.2	3.2	2.7	28	<0.1	0.5	0.2	61	0.31	0.024	10
204483	Soil	0.7	14.0	10.1	62	<0.1	16.0	9.3	714	2.46	7.4	0.8	3.5	25	0.2	0.6	0.2	57	0.36	0.026	11
203165	Soil	0.7	21.4	7.7	48	<0.1	19.8	10.6	388	2.58	6.9	3.5	4.0	28	<0.1	0.6	0.1	60	0.41	0.034	10
203073	Soil	1.2	15.8	14.0	41	<0.1	17.5	6.2	209	2.35	7.9	0.6	3.8	25	<0.1	0.5	0.2	61	0.24	0.019	17



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203222	Soil	24	0.53	266	0.072	2	1.54	0.010	0.08	0.2	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
203238	Soil	26	0.57	296	0.066	3	1.44	0.021	0.06	0.2	0.07	4.2	<0.1	<0.05	4	<0.5	<0.2
203212	Soil	18	0.24	226	0.047	1	1.36	0.009	0.05	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
203057	Soil	27	0.49	146	0.079	<1	1.72	0.008	0.05	<0.1	0.05	2.5	0.1	<0.05	6	<0.5	<0.2
203251	Soil	31	1.74	556	0.236	<1	2.65	0.027	0.94	<0.1	0.02	11.4	0.3	<0.05	9	<0.5	<0.2
203216	Soil	28	0.45	191	0.064	1	1.97	0.008	0.09	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
203217	Soil	22	0.35	187	0.059	1	1.35	0.008	0.05	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
203241	Soil	22	0.43	379	0.054	2	1.59	0.019	0.05	0.1	0.23	4.3	<0.1	0.06	4	0.5	<0.2
203053	Soil	27	0.47	258	0.065	<1	1.55	0.012	0.05	0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
203240	Soil	22	0.44	303	0.063	1	1.39	0.020	0.05	0.1	0.40	4.9	<0.1	<0.05	4	<0.5	<0.2
203067	Soil	22	0.54	1678	0.064	<1	1.57	0.017	0.06	0.1	0.07	5.2	<0.1	<0.05	5	0.5	<0.2
203239	Soil	19	0.40	300	0.044	3	1.25	0.016	0.05	0.1	0.18	4.0	<0.1	0.06	4	0.5	<0.2
203236	Soil	19	0.31	194	0.024	2	1.12	0.010	0.07	0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
203185	Soil	30	0.46	283	0.078	2	1.34	0.011	0.11	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
203225	Soil	23	0.42	181	0.081	2	1.53	0.014	0.06	0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
203211	Soil	30	0.47	183	0.054	2	1.83	0.009	0.05	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
203203	Soil	28	0.60	273	0.090	3	1.35	0.030	0.09	0.2	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
203202	Soil	30	0.56	253	0.112	2	1.59	0.028	0.10	0.2	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
203192	Soil	28	0.55	297	0.093	<1	1.56	0.029	0.07	0.2	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
203233	Soil	36	0.45	166	0.048	3	1.62	0.010	0.09	<0.1	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
203191	Soil	26	0.61	313	0.087	2	1.35	0.031	0.08	0.2	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
203204	Soil	27	0.60	232	0.110	2	1.74	0.020	0.18	<0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
204036	Soil	24	0.63	243	0.105	2	1.46	0.026	0.16	0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
204477	Soil	37	1.15	244	0.172	2	2.14	0.013	0.35	0.1	0.07	2.9	0.2	<0.05	7	<0.5	<0.2
202314	Soil	30	0.40	276	0.066	1	1.50	0.009	0.05	0.1	<0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
203074	Soil	31	0.47	235	0.095	<1	1.71	0.011	0.05	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
204047	Soil	26	0.54	200	0.067	<1	1.60	0.015	0.04	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
204483	Soil	28	0.45	324	0.089	2	1.44	0.013	0.23	0.1	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
203165	Soil	31	0.73	236	0.113	1	1.69	0.012	0.12	0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
203073	Soil	33	0.43	224	0.075	1	1.75	0.012	0.04	0.1	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203135	Soil	0.9	11.1	12.0	49	<0.1	13.7	9.0	615	2.46	4.0	2.4	2.7	30	<0.1	0.4	0.2	62	0.26	0.031	9
203198	Soil	0.9	18.7	18.1	85	<0.1	11.8	8.1	349	3.43	6.5	<0.5	2.9	20	<0.1	0.4	0.2	56	0.20	0.032	7
202123	Soil	0.7	29.9	7.9	51	<0.1	25.4	10.1	624	2.53	8.1	1.5	4.4	28	<0.1	0.6	0.1	61	0.45	0.043	15
203093	Soil	2.1	21.6	13.5	63	<0.1	18.6	8.2	311	3.07	6.2	<0.5	6.4	18	<0.1	0.4	0.3	63	0.13	0.019	14
203110	Soil	1.0	10.9	8.7	48	<0.1	16.5	9.7	659	2.50	5.7	2.7	3.5	24	<0.1	0.5	0.2	58	0.34	0.027	10
203150	Soil	0.5	21.9	5.1	111	<0.1	10.5	10.9	473	3.13	2.6	<0.5	3.2	20	<0.1	0.3	<0.1	70	0.20	0.034	13
203141	Soil	0.9	24.7	12.9	47	0.1	14.0	11.4	276	2.99	6.6	<0.5	2.8	43	<0.1	0.5	0.2	95	0.39	0.045	11
203125	Soil	0.7	13.7	10.6	36	<0.1	14.6	6.2	189	2.12	6.8	0.6	3.2	21	<0.1	0.5	0.2	53	0.19	0.009	11
203113	Soil	0.6	7.4	9.8	83	<0.1	13.4	8.0	494	2.36	3.5	1.2	3.7	24	<0.1	0.4	0.1	57	0.22	0.033	9
203130	Soil	0.6	18.9	7.2	59	<0.1	12.9	11.0	540	3.16	5.4	<0.5	2.1	17	<0.1	0.4	0.1	85	0.18	0.026	7
203075	Soil	0.5	4.5	4.4	22	<0.1	1.8	3.5	371	0.90	0.8	<0.5	1.8	10	<0.1	<0.1	0.1	19	0.05	0.029	8
203095	Soil	1.2	18.4	12.7	60	0.1	12.8	7.1	273	2.63	5.8	1.2	5.8	15	<0.1	0.4	0.7	58	0.15	0.018	13
203106	Soil	0.8	15.3	9.5	40	0.4	15.9	6.5	216	2.32	7.5	0.8	4.4	19	<0.1	0.5	0.2	57	0.18	0.016	15
203092	Soil	1.8	17.6	8.2	55	0.1	14.1	6.8	316	2.66	5.4	0.7	4.8	16	<0.1	0.3	0.3	55	0.19	0.015	14
202158	Soil	1.7	20.2	8.6	48	0.1	15.7	10.5	590	2.34	5.2	2.6	6.6	31	<0.1	0.3	0.2	50	0.36	0.040	25
202148	Soil	1.6	11.5	8.6	44	<0.1	12.3	6.0	253	2.04	4.5	1.8	6.3	24	<0.1	0.4	0.2	45	0.34	0.033	22
203122	Soil	0.8	15.8	10.4	42	<0.1	14.5	6.5	205	2.33	7.3	1.3	3.9	18	<0.1	0.6	0.2	60	0.15	0.018	11
203138	Soil	0.6	27.7	13.5	62	<0.1	22.5	12.4	584	2.93	6.6	1.3	4.0	39	0.1	0.6	0.2	77	0.42	0.031	14
202135	Soil	1.5	17.4	9.5	49	<0.1	21.7	10.1	261	2.76	11.4	2.0	4.6	26	<0.1	0.7	0.2	67	0.41	0.012	13
202166	Soil	1.0	10.3	9.7	47	<0.1	14.8	7.3	257	3.15	10.8	2.1	2.9	12	<0.1	0.5	0.2	79	0.11	0.032	10
202179	Soil	0.9	19.5	12.6	59	<0.1	16.3	9.1	313	2.99	7.8	2.8	8.9	22	<0.1	0.5	0.2	61	0.21	0.033	19
202260	Soil	0.3	102.3	35.0	70	<0.1	9.7	21.2	708	5.10	1.7	<0.5	0.9	214	0.1	0.1	0.3	186	0.37	0.046	5
203158	Soil	1.0	12.8	7.9	37	<0.1	13.6	6.3	347	2.01	5.9	3.3	3.2	20	<0.1	0.4	0.2	57	0.26	0.023	11
203223	Soil	1.0	19.3	12.9	46	0.2	18.0	8.8	236	2.99	8.4	4.0	10.4	20	<0.1	0.8	0.2	56	0.22	0.023	37
203070	Soil	0.7	13.1	7.1	78	<0.1	12.3	9.9	383	2.66	6.0	2.7	3.1	34	<0.1	0.3	<0.1	56	0.54	0.076	10
203065	Soil	0.8	20.0	8.7	46	<0.1	20.5	10.0	296	2.83	8.6	1.6	4.8	29	<0.1	0.6	0.2	65	0.31	0.026	15
203129	Soil	0.4	75.8	7.3	67	<0.1	9.5	15.2	738	4.32	2.8	<0.5	1.6	29	0.1	0.2	<0.1	151	0.59	0.076	5
203219	Soil	1.7	20.8	17.2	91	0.1	9.7	19.7	3081	3.87	6.1	1.5	16.8	24	0.1	0.7	0.3	44	0.28	0.113	42
203221	Soil	0.8	15.2	10.3	49	<0.1	11.3	7.1	199	2.62	6.1	1.3	8.3	19	<0.1	0.7	0.3	46	0.19	0.025	14
203229	Soil	0.9	15.9	7.8	48	<0.1	16.2	8.4	328	2.71	6.7	1.3	6.5	21	<0.1	0.6	0.1	58	0.23	0.017	18



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203135	Soil	24	0.49	495	0.104	1	1.42	0.015	0.22	0.1	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
203198	Soil	22	0.49	171	0.110	<1	2.16	0.009	0.24	0.1	0.01	7.6	0.2	<0.05	8	<0.5	<0.2
202123	Soil	29	0.55	300	0.094	1	1.61	0.022	0.09	0.2	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
203093	Soil	45	0.73	127	0.120	1	2.10	0.008	0.23	0.1	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
203110	Soil	29	0.43	266	0.082	1	1.49	0.012	0.15	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
203150	Soil	16	1.40	405	0.224	<1	2.38	0.011	0.30	<0.1	0.01	6.8	0.2	<0.05	9	<0.5	<0.2
203141	Soil	26	0.82	256	0.139	2	1.64	0.017	0.19	<0.1	0.02	5.2	0.2	<0.05	5	<0.5	<0.2
203125	Soil	26	0.44	190	0.069	<1	1.31	0.011	0.05	0.2	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
203113	Soil	22	0.48	244	0.072	<1	1.85	0.010	0.12	0.2	0.02	2.2	0.2	<0.05	7	<0.5	<0.2
203130	Soil	21	0.87	483	0.169	1	1.58	0.014	0.54	<0.1	0.01	4.5	0.2	<0.05	6	<0.5	<0.2
203075	Soil	6	0.12	84	0.038	1	0.56	0.009	0.13	0.1	0.01	1.1	0.1	<0.05	4	<0.5	<0.2
203095	Soil	27	0.53	180	0.107	2	1.80	0.008	0.15	0.3	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
203106	Soil	27	0.40	295	0.065	1	1.61	0.015	0.07	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
203092	Soil	35	0.76	108	0.142	2	1.74	0.009	0.20	0.2	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
202158	Soil	27	0.44	290	0.074	2	1.60	0.012	0.08	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
202148	Soil	23	0.37	275	0.057	1	1.39	0.010	0.05	0.2	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
203122	Soil	25	0.41	162	0.082	<1	1.64	0.009	0.04	0.2	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
203138	Soil	29	0.82	348	0.118	1	1.70	0.017	0.41	0.1	0.02	7.0	0.1	<0.05	6	<0.5	<0.2
202135	Soil	37	0.50	229	0.085	2	1.80	0.016	0.06	0.1	0.01	5.6	<0.1	<0.05	5	0.5	<0.2
202166	Soil	31	0.38	177	0.076	2	2.02	0.007	0.06	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
202179	Soil	27	0.44	187	0.090	1	2.00	0.010	0.12	0.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
202260	Soil	16	1.67	354	0.253	<1	2.50	0.028	1.01	<0.1	<0.01	13.8	0.4	<0.05	9	<0.5	<0.2
203158	Soil	23	0.36	268	0.073	<1	1.47	0.013	0.05	0.1	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
203223	Soil	28	0.41	341	0.052	4	1.92	0.008	0.11	0.1	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
203070	Soil	25	0.90	207	0.140	<1	1.99	0.011	0.29	<0.1	0.01	4.4	0.2	<0.05	7	<0.5	<0.2
203065	Soil	32	0.64	272	0.110	1	1.94	0.013	0.09	0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
203129	Soil	18	1.19	497	0.232	<1	2.09	0.054	0.91	<0.1	<0.01	10.8	0.2	<0.05	8	<0.5	<0.2
203219	Soil	17	0.43	220	0.071	5	2.12	0.007	0.52	0.2	0.03	5.2	0.6	<0.05	7	<0.5	<0.2
203221	Soil	21	0.40	182	0.052	3	1.80	0.008	0.15	0.3	0.02	3.0	0.2	<0.05	5	<0.5	<0.2
203229	Soil	31	0.50	252	0.085	1	1.98	0.009	0.13	0.1	0.02	4.7	0.2	<0.05	5	<0.5	<0.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203134	Soil	0.7	11.0	7.8	44	0.1	14.3	9.9	585	2.30	5.2	2.4	2.9	29	<0.1	0.5	0.1	57	0.30	0.031	10
203174	Soil	0.8	15.6	7.6	40	<0.1	16.1	8.5	298	2.60	8.2	1.3	3.8	23	<0.1	0.6	0.2	60	0.29	0.027	12
203189	Soil	0.5	23.9	10.7	57	<0.1	17.3	8.5	285	2.58	6.4	2.9	3.5	38	0.2	0.6	0.2	68	0.49	0.044	13
203218	Soil	1.0	17.3	9.6	52	<0.1	14.1	7.8	241	2.61	6.9	2.3	9.7	20	0.1	0.6	0.2	52	0.22	0.032	19
203139	Soil	0.5	24.3	12.8	61	0.1	13.1	12.1	422	3.32	4.7	1.6	3.2	91	0.1	0.3	0.2	93	0.55	0.059	13
203147	Soil	0.6	26.7	7.6	54	<0.1	22.2	9.8	370	2.76	7.9	2.2	4.2	43	<0.1	0.6	0.1	69	0.62	0.065	15
203132	Soil	0.6	25.3	10.7	59	<0.1	20.2	12.6	482	3.36	7.9	<0.5	3.9	32	<0.1	0.4	0.2	92	0.38	0.051	11
203127	Soil	0.8	33.4	6.9	55	0.2	12.3	13.2	914	3.05	3.6	0.6	1.6	34	0.1	0.3	0.1	89	0.38	0.031	7
201332	Soil	0.9	26.2	23.6	87	0.2	20.0	9.0	290	3.08	9.0	1.9	11.1	19	0.2	0.8	0.5	64	0.16	0.017	36
202162	Soil	2.8	26.4	8.8	63	0.3	21.0	11.4	517	3.16	4.9	0.9	8.0	32	<0.1	0.2	0.3	68	0.61	0.052	46
203166	Soil	0.7	25.5	3.9	57	<0.1	12.3	8.1	607	2.96	4.2	2.8	3.7	58	<0.1	0.3	<0.1	69	0.53	0.050	14
203142	Soil	0.9	22.7	12.0	38	<0.1	15.3	10.6	423	2.48	5.7	1.7	3.2	44	<0.1	0.6	0.2	66	0.49	0.044	12
203226	Soil	1.0	13.3	9.1	57	0.2	18.1	13.2	2420	2.70	5.0	2.7	4.4	27	0.1	0.5	0.2	59	0.33	0.029	15
202141	Soil	0.6	19.4	8.2	49	<0.1	15.2	8.3	322	2.41	6.2	1.4	8.4	30	<0.1	0.5	0.2	54	0.39	0.035	22
203055	Soil	0.8	14.6	9.1	43	<0.1	16.6	7.6	256	2.46	8.0	1.6	3.7	19	<0.1	0.6	0.2	62	0.21	0.019	12
203124	Soil	0.6	22.4	8.8	47	<0.1	20.8	10.5	262	2.99	7.3	1.5	4.2	25	<0.1	0.6	0.1	76	0.25	0.011	13
203224	Soil	1.0	15.3	12.5	67	0.2	8.8	8.5	567	3.38	4.5	1.1	12.8	21	<0.1	0.6	0.2	62	0.32	0.079	42
203060	Soil	0.7	6.4	8.0	30	<0.1	6.7	3.6	174	1.51	4.9	1.3	2.5	25	<0.1	0.3	0.2	60	0.21	0.019	11
203099	Soil	1.0	10.8	8.7	108	0.1	12.0	10.3	1519	2.45	3.3	1.9	2.6	21	0.3	0.4	0.2	67	0.20	0.039	11
203078	Soil	2.2	14.0	10.6	40	<0.1	10.9	6.1	268	2.07	5.4	2.1	6.0	27	0.1	0.3	0.2	50	0.41	0.030	27
203214	Soil	0.9	22.5	18.4	52	<0.1	16.4	7.9	255	2.75	6.2	2.6	13.3	22	<0.1	0.4	0.2	56	0.24	0.025	26
203235	Soil	1.3	28.4	13.2	49	<0.1	19.9	8.4	251	2.95	8.5	1.8	7.7	20	<0.1	0.6	0.3	64	0.21	0.018	23
203234	Soil	1.1	15.9	14.8	57	<0.1	11.9	6.2	176	2.29	4.4	1.5	9.0	16	<0.1	0.4	0.2	50	0.16	0.014	35
203237	Soil	0.4	29.2	11.9	53	0.1	26.2	10.6	482	2.80	9.9	3.0	5.6	38	0.2	0.7	0.2	62	1.56	0.054	17
203148	Soil	0.5	74.1	7.4	72	<0.1	14.1	15.8	488	4.07	3.9	1.1	2.0	124	<0.1	0.3	0.1	124	0.35	0.040	7
203171	Soil	0.5	19.5	5.5	49	<0.1	14.4	9.7	488	2.54	5.3	1.1	3.0	60	<0.1	0.3	0.1	53	0.53	0.049	9
203100	Soil	1.1	10.9	9.8	120	<0.1	15.8	10.4	2464	2.70	4.1	1.8	2.0	17	0.4	0.4	0.2	65	0.22	0.052	10
203162	Soil	0.7	11.0	7.6	44	<0.1	14.5	7.6	253	2.63	7.5	1.1	2.4	20	<0.1	0.4	0.1	61	0.22	0.031	8
204057	Soil	0.7	12.9	10.3	52	<0.1	16.0	7.8	234	2.66	8.0	1.1	4.5	21	<0.1	0.5	0.2	60	0.19	0.019	13
203080	Soil	1.9	16.2	9.3	39	0.2	10.2	5.4	320	1.98	3.8	1.1	5.1	22	<0.1	0.3	0.3	46	0.25	0.024	23



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PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203134	Soil	25	0.43	408	0.092	<1	1.27	0.015	0.22	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
203174	Soil	26	0.56	552	0.091	1	1.72	0.013	0.08	0.2	0.01	3.7	<0.1	<0.05	5	0.5	<0.2
203189	Soil	26	0.63	309	0.104	2	1.67	0.025	0.12	0.2	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
203218	Soil	24	0.40	145	0.068	2	1.86	0.010	0.09	0.2	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
203139	Soil	23	1.05	532	0.161	2	1.93	0.027	0.57	0.1	0.02	7.0	0.2	<0.05	6	0.5	<0.2
203147	Soil	33	0.66	242	0.108	2	1.59	0.035	0.08	0.1	0.02	5.4	0.1	<0.05	5	<0.5	<0.2
203132	Soil	38	1.02	415	0.160	<1	1.89	0.018	0.50	0.1	0.01	7.0	0.2	<0.05	6	<0.5	<0.2
203127	Soil	27	0.96	433	0.166	1	1.73	0.031	0.37	<0.1	0.02	6.1	0.2	<0.05	7	<0.5	<0.2
201332	Soil	35	0.51	215	0.097	2	2.34	0.009	0.13	0.2	0.04	4.0	0.2	<0.05	6	0.6	<0.2
202162	Soil	55	0.83	332	0.083	2	2.13	0.013	0.23	0.2	0.04	8.5	0.2	<0.05	7	<0.5	<0.2
203166	Soil	21	1.30	357	0.206	<1	2.24	0.014	0.49	0.1	0.03	6.1	0.2	<0.05	7	<0.5	<0.2
203142	Soil	26	0.53	291	0.094	<1	1.47	0.027	0.11	0.2	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
203226	Soil	28	0.43	393	0.087	3	1.77	0.018	0.22	0.2	0.01	4.0	0.2	<0.05	5	<0.5	<0.2
202141	Soil	27	0.47	257	0.094	1	1.58	0.017	0.08	0.2	0.02	4.4	0.1	<0.05	5	<0.5	<0.2
203055	Soil	31	0.42	208	0.082	2	1.83	0.011	0.07	0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
203124	Soil	33	0.64	244	0.093	1	1.88	0.014	0.07	0.1	0.02	5.0	0.1	<0.05	5	<0.5	<0.2
203224	Soil	17	0.64	215	0.110	5	2.11	0.010	0.40	0.4	0.04	5.7	0.4	<0.05	8	<0.5	<0.2
203060	Soil	18	0.28	181	0.092	<1	1.05	0.009	0.06	0.1	<0.01	2.0	0.1	<0.05	7	<0.5	<0.2
203099	Soil	22	0.35	527	0.086	2	1.59	0.014	0.07	<0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
203078	Soil	23	0.33	334	0.074	3	1.68	0.012	0.09	0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
203214	Soil	30	0.51	185	0.096	2	2.11	0.012	0.12	0.1	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
203235	Soil	33	0.44	285	0.091	2	2.21	0.011	0.08	0.1	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
203234	Soil	21	0.42	137	0.060	4	1.57	0.009	0.14	<0.1	0.01	3.9	0.2	<0.05	5	<0.5	<0.2
203237	Soil	34	0.90	254	0.085	2	1.98	0.024	0.07	0.1	0.07	5.6	<0.1	<0.05	5	<0.5	<0.2
203148	Soil	27	1.12	366	0.211	<1	2.12	0.015	0.93	<0.1	0.01	5.8	0.4	<0.05	6	<0.5	<0.2
203171	Soil	18	0.58	300	0.110	1	1.79	0.014	0.20	0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
203100	Soil	33	0.36	364	0.057	<1	1.63	0.011	0.08	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
203162	Soil	24	0.58	209	0.091	<1	1.70	0.007	0.13	0.2	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
204057	Soil	32	0.53	229	0.062	1	1.84	0.008	0.05	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
203080	Soil	26	0.37	269	0.045	2	1.37	0.010	0.12	0.2	0.03	3.4	0.1	<0.05	5	<0.5	<0.2



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PHONE (604) 253-3158

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203082	Soil	1.3	10.0	5.8	42	<0.1	10.6	6.0	285	1.99	3.9	3.7	5.4	27	<0.1	0.2	0.3	40	0.25	0.040	14
203056	Soil	0.6	10.3	7.1	40	<0.1	7.6	5.6	285	2.08	13.1	<0.5	2.1	31	<0.1	0.4	0.1	55	0.24	0.022	8
204046	Soil	0.7	33.8	22.1	54	<0.1	17.6	13.1	328	3.00	7.0	0.9	1.7	47	<0.1	0.5	0.2	79	0.54	0.030	6
203140	Soil	0.9	18.3	10.7	52	<0.1	13.0	9.6	266	2.52	6.0	0.8	2.4	35	<0.1	0.4	0.1	72	0.35	0.043	9
203128	Soil	0.5	20.8	8.3	40	0.1	14.8	6.7	179	2.24	6.6	4.4	2.5	19	<0.1	0.4	0.1	55	0.23	0.030	9
203133	Soil	0.5	18.4	11.4	54	<0.1	13.4	10.8	538	3.03	4.2	<0.5	2.5	25	<0.1	0.3	0.2	85	0.34	0.026	8
204055	Soil	0.6	13.7	10.6	39	<0.1	12.6	5.9	251	1.89	5.5	1.8	2.6	24	<0.1	0.4	0.1	49	0.29	0.029	11
204056	Soil	0.9	10.6	19.3	34	0.3	11.2	5.2	190	1.91	5.8	0.8	2.5	17	<0.1	0.4	0.2	56	0.17	0.021	10
203230	Soil	1.4	11.2	11.1	40	0.2	9.0	4.3	502	2.00	6.8	0.7	2.8	15	0.3	0.4	0.2	61	0.18	0.024	10
203123	Soil	0.6	21.7	24.6	51	<0.1	19.0	9.4	282	2.67	7.5	<0.5	6.6	27	<0.1	0.6	0.2	57	0.35	0.024	20
204482	Soil	2.4	32.7	35.4	103	0.3	19.8	7.7	553	2.25	6.4	1.3	2.6	63	0.3	0.4	0.3	42	4.48	0.030	13
204475	Soil	0.6	18.2	6.8	49	<0.1	17.6	11.2	502	2.74	7.2	2.2	4.1	23	<0.1	0.5	<0.1	61	0.27	0.037	13
204484	Soil	2.7	36.8	7.4	124	<0.1	7.8	12.9	688	4.18	4.9	1.7	5.0	28	<0.1	0.3	0.1	81	0.97	0.123	37
204476	Soil	0.8	21.3	9.0	56	<0.1	15.8	8.4	397	2.80	14.3	2.5	3.6	18	<0.1	0.6	0.2	62	0.22	0.036	11
204038	Soil	0.7	24.6	10.3	49	<0.1	21.0	10.2	308	2.70	9.1	3.2	4.2	24	<0.1	0.6	0.2	66	0.27	0.020	14
204050	Soil	0.9	29.5	29.7	65	<0.1	19.0	13.5	383	2.99	8.8	0.8	4.2	31	<0.1	0.7	0.3	71	0.28	0.022	19
204044	Soil	0.8	23.1	11.5	44	<0.1	18.1	8.3	405	2.21	5.8	2.7	3.4	29	<0.1	0.5	0.1	57	0.32	0.016	13
204042	Soil	0.9	21.9	38.4	45	0.1	11.4	7.5	997	2.04	5.3	1.2	2.6	29	<0.1	0.3	0.4	63	0.34	0.024	11
204054	Soil	0.6	25.7	16.2	61	0.2	19.0	9.1	488	2.49	6.3	2.5	3.4	38	0.3	0.5	0.2	56	0.48	0.053	15
204039	Soil	0.5	36.5	10.1	69	<0.1	15.5	13.5	492	3.36	6.2	<0.5	2.8	30	<0.1	0.5	0.1	93	0.48	0.060	9
204048	Soil	0.4	61.6	19.5	52	<0.1	17.5	17.9	376	3.20	4.9	0.9	2.0	49	<0.1	0.8	0.2	92	0.68	0.034	10
204053	Soil	0.5	31.3	29.0	65	0.2	17.0	8.8	380	2.64	7.9	2.7	3.9	36	0.2	0.6	0.4	65	0.43	0.054	17
204032	Soil	1.9	121.6	36.7	102	0.2	26.4	25.7	619	6.25	6.8	1.6	1.9	93	0.1	1.2	0.4	198	0.51	0.064	7
204033	Soil	0.6	29.3	8.4	55	<0.1	24.9	9.2	374	2.36	9.5	2.2	4.1	37	0.2	0.8	0.1	47	0.58	0.075	15
203076	Soil	1.4	14.8	10.0	55	<0.1	11.9	5.4	234	2.38	5.1	0.8	4.9	16	<0.1	0.3	0.2	49	0.16	0.027	13
203152	Soil	0.8	14.2	7.3	50	0.1	14.7	7.3	275	2.33	7.6	2.9	2.9	22	<0.1	0.4	0.1	54	0.26	0.033	10
203156	Soil	0.7	17.1	6.9	46	<0.1	14.2	7.7	397	2.29	6.8	<0.5	2.6	17	<0.1	0.4	0.1	55	0.22	0.043	9
204479	Soil	0.6	16.6	23.7	73	<0.1	18.1	9.9	280	2.82	11.4	3.1	3.2	32	0.1	0.4	0.2	63	0.38	0.054	12
202133	Soil	5.5	33.1	15.0	75	0.3	30.4	7.8	598	2.36	26.1	1.6	2.5	36	0.3	0.4	0.1	51	2.83	0.059	14
204480	Soil	0.6	17.1	14.1	103	<0.1	16.1	10.9	497	2.78	7.1	<0.5	2.6	63	<0.1	0.4	0.1	67	0.64	0.087	10



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					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203082	Soil	21	0.37	194	0.051	2	1.28	0.010	0.09	0.2	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2			
203056	Soil	18	0.50	165	0.084	<1	1.43	0.008	0.11	0.1	0.03	2.2	0.1	<0.05	7	<0.5	<0.2			
204046	Soil	28	0.89	187	0.096	<1	1.99	0.035	0.08	0.1	0.02	6.2	0.1	<0.05	6	<0.5	<0.2			
203140	Soil	23	0.63	315	0.106	<1	1.47	0.014	0.19	0.2	0.02	3.9	0.1	<0.05	5	<0.5	<0.2			
203128	Soil	25	0.54	256	0.076	<1	1.51	0.012	0.12	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2			
203133	Soil	27	0.86	343	0.138	1	1.76	0.019	0.47	0.1	0.01	7.0	0.2	<0.05	6	<0.5	<0.2			
204055	Soil	23	0.41	272	0.059	<1	1.29	0.012	0.04	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2			
204056	Soil	21	0.35	196	0.065	<1	1.18	0.009	0.07	0.2	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2			
203230	Soil	21	0.25	192	0.054	<1	1.34	0.007	0.05	0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2			
203123	Soil	29	0.57	272	0.063	<1	1.86	0.014	0.07	0.1	0.03	6.2	0.1	<0.05	6	<0.5	<0.2			
204482	Soil	27	0.90	191	0.038	<1	1.57	0.010	0.06	<0.1	0.04	4.9	0.2	<0.05	5	<0.5	<0.2			
204475	Soil	26	0.94	200	0.111	<1	2.02	0.009	0.15	0.1	0.05	3.7	<0.1	<0.05	6	<0.5	<0.2			
204484	Soil	13	1.00	186	0.060	<1	1.81	0.006	0.10	<0.1	0.06	11.3	0.1	<0.05	12	<0.5	<0.2			
204476	Soil	26	0.69	153	0.089	<1	2.24	0.009	0.21	0.1	0.10	3.0	0.2	<0.05	6	<0.5	<0.2			
204038	Soil	32	0.64	242	0.078	<1	1.88	0.015	0.08	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2			
204050	Soil	33	0.62	306	0.100	<1	1.87	0.012	0.12	0.1	0.03	5.8	0.1	<0.05	6	<0.5	<0.2			
204044	Soil	30	0.49	261	0.089	<1	1.51	0.017	0.05	<0.1	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2			
204042	Soil	21	0.51	365	0.073	<1	1.59	0.012	0.10	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2			
204054	Soil	28	0.57	403	0.080	1	1.66	0.025	0.09	0.2	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2			
204039	Soil	40	1.09	353	0.143	<1	1.87	0.017	0.36	<0.1	0.03	7.1	0.2	<0.05	7	<0.5	<0.2			
204048	Soil	23	1.20	261	0.101	<1	2.06	0.029	0.08	<0.1	0.02	8.4	<0.1	<0.05	5	<0.5	<0.2			
204053	Soil	25	0.59	376	0.097	<1	1.61	0.025	0.19	0.2	0.05	6.9	0.1	<0.05	5	<0.5	<0.2			
204032	Soil	51	1.45	333	0.144	<1	2.30	0.015	0.53	<0.1	0.06	23.0	0.4	0.16	8	5.1	0.2			
204033	Soil	25	0.50	255	0.065	<1	1.19	0.034	0.06	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2			
203076	Soil	25	0.38	191	0.060	2	1.60	0.008	0.07	0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2			
203152	Soil	23	0.55	240	0.079	<1	1.38	0.009	0.07	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2			
203156	Soil	22	0.56	164	0.083	<1	1.40	0.009	0.10	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2			
204479	Soil	31	0.79	175	0.094	<1	2.03	0.012	0.13	0.2	0.14	2.9	0.1	<0.05	7	<0.5	<0.2			
202133	Soil	40	0.89	135	0.027	<1	1.56	0.006	0.06	0.2	0.04	5.5	0.2	<0.05	5	0.7	<0.2			
204480	Soil	35	1.19	207	0.146	<1	2.40	0.011	0.27	0.1	0.02	2.5	0.2	<0.05	10	<0.5	<0.2			



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: September 12, 2017

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CERTIFICATE OF ANALYSIS

WHI17000598.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
204481	Soil	1.0	8.5	7.3	51	<0.1	10.7	7.7	404	2.59	6.6	1.2	3.7	18	<0.1	0.4	0.1	49	0.22	0.030	11
203195	Soil	0.8	17.1	9.4	48	<0.1	16.7	8.3	353	2.21	6.6	2.0	3.3	37	0.1	0.4	0.2	49	0.53	0.049	12
204034	Soil	0.8	32.6	10.3	55	0.1	22.7	10.1	361	2.56	9.0	3.1	3.9	47	0.1	0.7	0.2	52	0.86	0.065	14
204485	Soil	0.9	8.3	7.6	85	<0.1	13.9	9.7	404	2.83	4.3	0.9	2.0	16	<0.1	0.5	0.1	66	0.17	0.056	9
204040	Soil	1.2	33.7	13.4	73	0.1	15.6	11.6	551	3.86	14.5	1.8	3.4	23	<0.1	1.1	0.2	99	0.28	0.026	10
204478	Soil	0.6	16.6	46.2	102	<0.1	16.4	11.8	448	2.94	17.7	1.9	2.5	70	<0.1	0.4	0.4	68	0.66	0.095	10
204035	Soil	0.6	28.0	8.9	56	<0.1	21.1	9.1	335	2.37	8.7	1.8	4.2	44	0.2	0.8	0.2	50	0.80	0.070	14
204058	Soil	0.7	10.2	12.1	52	<0.1	11.7	6.7	232	2.41	6.9	2.7	4.3	28	<0.1	0.3	0.1	56	0.28	0.036	16
204041	Soil	0.6	27.1	10.9	47	0.1	17.9	9.3	238	2.72	8.6	4.0	3.7	19	<0.1	0.6	0.2	64	0.20	0.028	13
203155	Soil	0.4	7.9	6.1	34	0.1	7.1	4.9	798	1.41	3.2	<0.5	2.4	18	<0.1	0.1	0.1	35	0.26	0.029	8
201313	Soil	0.8	17.8	10.8	54	<0.1	23.9	8.8	334	2.97	11.6	1.3	4.3	20	<0.1	0.8	0.2	63	0.17	0.020	10
203153	Soil	0.6	19.7	6.4	56	<0.1	15.7	8.1	300	2.66	6.4	1.0	2.7	30	<0.1	0.4	0.1	60	0.35	0.071	10
203151	Soil	0.6	9.8	6.9	80	<0.1	14.1	8.7	480	2.74	6.0	0.5	2.7	16	<0.1	0.4	0.1	57	0.23	0.042	7
201309	Soil	0.8	18.0	12.8	54	<0.1	19.7	8.5	300	2.94	9.9	1.5	4.6	24	<0.1	0.7	0.2	61	0.24	0.025	11
201307	Soil	0.6	14.6	20.2	56	<0.1	16.7	9.6	469	2.71	4.8	0.8	3.8	36	<0.1	0.6	0.2	59	0.36	0.019	11
201326	Soil	0.8	15.8	9.2	52	<0.1	17.7	8.2	299	2.54	7.9	1.2	4.6	20	<0.1	0.6	0.1	54	0.17	0.018	9
201330	Soil	0.3	40.2	2.1	63	<0.1	7.5	17.8	327	3.23	1.8	<0.5	1.0	20	<0.1	0.3	<0.1	97	0.32	0.035	3
201315	Soil	0.9	30.3	21.8	73	<0.1	11.7	15.6	803	5.00	5.1	<0.5	5.0	24	<0.1	0.7	0.2	94	0.28	0.024	8
201322	Soil	0.5	15.0	7.8	42	0.4	12.9	5.6	191	2.10	4.3	1.7	3.4	31	<0.1	0.4	0.2	47	0.39	0.051	21
201328	Soil	0.8	17.5	8.2	57	0.1	17.1	8.8	409	2.63	8.6	<0.5	2.7	15	<0.1	0.4	0.1	58	0.14	0.027	8
201320	Soil	0.8	14.4	12.9	56	<0.1	14.4	6.4	237	2.57	6.4	1.7	4.0	21	<0.1	0.6	0.2	58	0.23	0.023	12
201321	Soil	1.4	11.7	8.6	37	0.5	9.4	5.5	203	2.32	5.8	2.1	4.0	16	<0.1	1.6	0.2	48	0.15	0.020	16
201310	Soil	0.8	21.8	10.4	51	<0.1	24.2	9.7	335	2.83	11.5	2.7	6.3	24	<0.1	0.7	0.2	58	0.24	0.025	17
201306	Soil	0.4	22.6	10.0	52	<0.1	15.7	7.9	381	2.62	6.5	2.5	5.0	32	<0.1	0.4	0.1	50	0.40	0.043	52
201318	Soil	0.7	16.3	10.4	50	<0.1	16.5	8.9	237	2.76	8.9	2.0	4.0	19	<0.1	0.6	0.2	57	0.20	0.023	9
201314	Soil	0.8	15.1	11.9	55	<0.1	17.9	7.8	264	2.60	9.0	2.5	3.8	22	<0.1	0.6	0.2	58	0.23	0.019	10
203077	Soil	0.9	22.2	6.4	18	0.1	6.1	1.6	90	0.73	0.7	<0.5	1.2	18	0.3	0.2	0.2	21	0.14	0.026	39
202144	Soil	0.7	10.2	6.7	36	<0.1	10.1	4.5	202	1.88	4.3	0.7	4.2	18	<0.1	0.3	0.1	46	0.21	0.015	14
202170	Soil	0.9	17.5	8.8	54	<0.1	20.3	8.5	333	2.79	9.0	1.9	5.6	16	<0.1	0.5	0.2	62	0.15	0.021	11
202140	Soil	0.9	15.8	9.7	54	<0.1	13.9	7.5	243	2.64	7.9	1.4	7.7	20	<0.1	0.6	0.2	57	0.23	0.044	12



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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
204481	Soil	20	0.82	164	0.132	2	1.77	0.009	0.24	0.1	<0.01	5.3	<0.1	<0.05	6	<0.5	<0.2
203195	Soil	23	0.44	296	0.077	3	1.44	0.019	0.08	0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
204034	Soil	27	0.57	278	0.076	4	1.38	0.025	0.06	0.2	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
204485	Soil	26	0.50	176	0.054	2	1.82	0.008	0.07	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
204040	Soil	33	0.78	260	0.113	3	2.08	0.010	0.24	0.1	0.02	9.1	0.1	<0.05	8	<0.5	<0.2
204478	Soil	33	1.19	221	0.154	2	2.25	0.010	0.27	0.1	0.14	2.6	0.1	<0.05	8	<0.5	<0.2
204035	Soil	24	0.57	239	0.078	3	1.26	0.028	0.06	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
204058	Soil	21	0.49	228	0.084	4	1.66	0.010	0.10	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
204041	Soil	26	0.57	290	0.078	2	1.78	0.009	0.15	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
203155	Soil	12	0.37	162	0.089	3	0.80	0.011	0.15	0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
201313	Soil	37	0.50	260	0.085	2	1.81	0.008	0.07	0.2	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
203153	Soil	21	0.76	188	0.124	2	1.60	0.009	0.22	0.2	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
203151	Soil	27	0.78	204	0.140	2	1.79	0.008	0.21	0.1	<0.01	7.7	0.1	<0.05	6	<0.5	<0.2
201309	Soil	31	0.58	292	0.099	2	1.80	0.008	0.15	0.1	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
201307	Soil	30	0.51	352	0.058	3	1.94	0.014	0.09	<0.1	0.01	5.6	<0.1	<0.05	6	<0.5	<0.2
201326	Soil	28	0.57	166	0.104	2	1.68	0.008	0.15	0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
201330	Soil	15	1.65	261	0.198	2	2.35	0.020	0.42	<0.1	<0.01	4.9	0.2	<0.05	7	<0.5	<0.2
201315	Soil	19	0.83	337	0.137	2	2.64	0.026	0.30	<0.1	0.02	7.0	0.2	<0.05	10	<0.5	<0.2
201322	Soil	22	0.52	403	0.073	2	1.53	0.012	0.09	0.1	0.09	4.3	<0.1	<0.05	5	<0.5	<0.2
201328	Soil	28	0.61	285	0.095	2	1.68	0.009	0.15	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
201320	Soil	24	0.49	251	0.114	2	2.00	0.012	0.09	0.2	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
201321	Soil	18	0.36	330	0.075	2	1.32	0.007	0.09	0.6	0.09	2.8	<0.1	<0.05	5	<0.5	<0.2
201310	Soil	36	0.50	286	0.093	2	1.74	0.010	0.16	0.1	0.02	6.2	0.1	<0.05	5	<0.5	<0.2
201306	Soil	23	0.47	213	0.070	1	1.40	0.014	0.08	0.2	0.04	6.3	<0.1	<0.05	5	<0.5	<0.2
201318	Soil	28	0.49	186	0.089	2	1.81	0.008	0.14	0.1	0.02	3.5	0.1	<0.05	5	<0.5	<0.2
201314	Soil	29	0.46	201	0.075	2	1.66	0.007	0.10	0.1	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
203077	Soil	10	0.09	295	0.035	3	0.59	0.018	0.06	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
202144	Soil	19	0.36	178	0.084	2	1.23	0.009	0.06	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
202170	Soil	32	0.49	194	0.089	2	1.99	0.008	0.09	0.1	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
202140	Soil	24	0.44	163	0.100	3	1.67	0.010	0.11	0.7	0.01	3.1	0.1	<0.05	6	<0.5	<0.2



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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202183	Soil	1.0	15.9	16.8	75	<0.1	12.6	7.4	246	3.46	10.2	2.4	8.1	13	0.1	0.5	0.2	76	0.12	0.040	9
203097	Soil	1.5	13.1	11.5	55	0.2	17.7	8.5	356	3.31	9.5	2.3	3.1	11	0.2	0.7	0.2	71	0.12	0.026	10
202171	Soil	0.8	14.9	9.2	56	0.2	21.5	11.0	571	2.76	6.7	1.1	5.5	23	<0.1	0.5	0.2	62	0.21	0.030	16
202146	Soil	1.2	8.4	6.6	39	<0.1	7.0	4.4	216	1.65	3.2	0.6	4.0	13	<0.1	0.2	0.2	35	0.16	0.041	10
202153	Soil	0.9	12.2	7.3	42	<0.1	11.2	5.4	192	2.00	4.9	7.3	4.0	21	<0.1	0.4	0.2	43	0.23	0.028	14
202175	Soil	0.6	13.9	8.5	64	0.1	10.8	8.8	417	2.60	4.8	0.8	9.9	20	<0.1	0.4	0.2	52	0.22	0.036	21
203118	Soil	1.0	17.0	11.1	64	<0.1	20.2	12.9	945	2.81	8.0	1.0	4.5	14	0.1	0.7	0.3	72	0.12	0.030	11
203114	Soil	1.0	12.2	11.1	65	0.1	17.3	10.3	753	2.66	6.5	0.6	4.6	15	<0.1	0.5	0.3	67	0.13	0.033	11
202186	Soil	1.0	26.1	14.9	79	<0.1	10.6	7.5	324	2.81	6.5	0.7	9.0	17	<0.1	0.6	0.3	60	0.16	0.022	17
203256	Soil	0.7	16.1	9.2	45	<0.1	19.6	9.0	299	2.50	8.5	1.1	4.7	27	<0.1	0.6	0.2	56	0.45	0.021	15
203117	Soil	0.8	12.2	11.6	154	<0.1	17.1	12.7	889	2.89	6.3	0.7	5.7	34	0.3	0.4	0.2	64	0.30	0.107	11
202147	Soil	2.4	26.2	15.8	66	0.1	18.2	15.2	759	3.16	8.8	5.5	9.1	28	0.2	0.5	0.4	71	0.34	0.048	29
203267	Soil	0.8	13.9	8.4	50	<0.1	18.3	10.2	681	2.29	5.9	2.4	3.6	26	<0.1	0.5	0.2	56	0.34	0.041	11
203262	Soil	1.2	22.8	9.7	58	<0.1	24.6	9.8	273	2.70	9.8	2.0	5.0	19	<0.1	0.8	0.2	60	0.18	0.024	13
203255	Soil	0.8	21.4	10.3	62	<0.1	23.5	10.0	341	2.73	9.2	3.2	4.6	24	0.1	0.6	0.2	62	0.27	0.029	17
203270	Soil	0.9	20.5	9.9	61	<0.1	22.4	10.8	545	2.65	8.9	3.0	4.9	26	<0.1	0.7	0.2	58	0.38	0.038	15
203265	Soil	0.8	13.6	9.3	71	<0.1	17.3	10.9	450	2.56	6.6	1.8	3.5	23	0.2	0.5	0.2	58	0.27	0.035	11
203261	Soil	1.2	19.2	10.8	64	0.1	21.0	9.7	255	3.00	9.1	1.9	3.5	17	0.1	0.6	0.2	70	0.17	0.022	10
203271	Soil	0.8	27.0	9.8	55	<0.1	20.6	9.9	427	2.76	8.7	1.6	4.6	35	<0.1	0.6	0.2	69	0.44	0.037	17
203242	Soil	0.6	31.6	5.4	72	<0.1	10.4	9.7	705	3.37	4.4	2.1	3.2	20	<0.1	0.3	0.1	69	0.29	0.037	13
203250	Soil	0.9	43.1	22.5	56	<0.1	16.2	15.3	644	3.12	5.3	0.8	2.3	32	<0.1	0.4	0.3	86	0.43	0.032	7
203263	Soil	1.2	12.9	9.4	47	0.1	14.7	9.5	439	2.17	5.7	2.0	2.9	18	<0.1	0.5	0.2	54	0.20	0.018	10
203259	Soil	0.8	25.9	10.2	57	<0.1	20.6	9.2	364	2.68	9.3	1.9	5.1	23	<0.1	0.7	0.2	60	0.25	0.019	20
203269	Soil	0.8	15.1	8.5	55	<0.1	17.4	8.0	460	2.34	6.7	0.7	3.5	25	0.3	0.5	0.2	52	0.31	0.045	11
203254	Soil	0.9	16.2	10.6	58	<0.1	24.1	12.4	641	2.86	8.7	0.7	5.0	27	<0.1	0.7	0.2	64	0.34	0.038	14
203258	Soil	0.9	10.8	21.1	51	0.1	12.4	5.6	216	1.91	5.4	1.6	2.6	22	0.1	0.4	0.2	54	0.33	0.026	11
203266	Soil	0.8	33.2	11.9	55	<0.1	28.1	11.8	325	2.98	14.7	0.7	5.4	23	<0.1	0.9	0.2	71	0.29	0.028	14
203257	Soil	0.5	30.0	66.7	75	0.1	13.4	12.6	582	3.80	4.3	1.3	4.7	27	<0.1	0.3	0.4	82	0.51	0.055	17
203264	Soil	1.0	19.4	10.8	69	0.1	18.9	12.0	1165	2.64	6.9	0.7	3.6	26	0.1	0.6	0.2	66	0.38	0.025	11
203272	Soil	1.2	21.1	10.0	54	<0.1	21.8	10.2	325	2.67	9.8	2.8	4.8	26	<0.1	0.7	0.2	63	0.34	0.024	12



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202183	Soil	27	0.45	129	0.085	2	2.02	0.006	0.09	0.2	0.02	3.3	0.2	<0.05	8	<0.5	<0.2
203097	Soil	32	0.40	191	0.075	3	1.80	0.008	0.08	0.2	0.01	2.4	0.1	<0.05	7	<0.5	<0.2
202171	Soil	33	0.48	225	0.085	3	1.73	0.009	0.17	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
202146	Soil	15	0.25	109	0.063	4	1.04	0.007	0.08	0.2	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
202153	Soil	23	0.35	175	0.056	3	1.28	0.010	0.05	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
202175	Soil	19	0.46	194	0.089	2	1.37	0.010	0.29	0.2	0.01	3.4	0.2	<0.05	7	<0.5	<0.2
203118	Soil	33	0.42	223	0.074	1	1.86	0.010	0.05	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
203114	Soil	29	0.40	339	0.067	1	1.68	0.009	0.05	0.1	0.01	2.8	0.1	<0.05	6	<0.5	<0.2
202186	Soil	20	0.52	161	0.098	1	1.57	0.008	0.10	0.2	<0.01	2.8	0.2	<0.05	8	<0.5	<0.2
203256	Soil	31	0.46	276	0.078	1	1.45	0.018	0.09	0.2	0.01	4.9	<0.1	<0.05	4	<0.5	<0.2
203117	Soil	28	0.50	416	0.075	1	1.97	0.012	0.10	0.1	0.01	2.8	0.2	<0.05	7	<0.5	<0.2
202147	Soil	37	0.49	394	0.086	3	2.20	0.011	0.09	0.1	0.02	5.0	0.1	<0.05	7	<0.5	<0.2
203267	Soil	30	0.40	347	0.064	2	1.31	0.012	0.09	0.1	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
203262	Soil	37	0.48	329	0.072	2	1.63	0.010	0.08	0.2	0.01	5.1	<0.1	<0.05	5	<0.5	<0.2
203255	Soil	38	0.48	270	0.072	1	1.72	0.010	0.08	0.2	0.01	5.9	<0.1	<0.05	5	<0.5	<0.2
203270	Soil	35	0.43	289	0.074	2	1.46	0.015	0.09	0.2	0.03	5.7	<0.1	<0.05	4	<0.5	<0.2
203265	Soil	32	0.44	336	0.070	1	1.55	0.011	0.11	0.1	0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
203261	Soil	36	0.51	265	0.078	1	1.82	0.009	0.11	0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
203271	Soil	34	0.56	245	0.088	1	1.59	0.017	0.09	0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
203242	Soil	19	0.60	231	0.138	1	1.64	0.012	0.48	<0.1	<0.01	9.0	0.2	<0.05	7	<0.5	<0.2
203250	Soil	27	0.76	313	0.127	<1	1.82	0.022	0.23	<0.1	<0.01	4.9	0.1	<0.05	6	<0.5	<0.2
203263	Soil	27	0.37	251	0.069	<1	1.31	0.010	0.08	0.2	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
203259	Soil	34	0.44	249	0.072	<1	1.54	0.010	0.06	0.1	<0.01	7.1	<0.1	<0.05	5	<0.5	<0.2
203269	Soil	28	0.42	308	0.064	1	1.41	0.010	0.11	0.2	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
203254	Soil	41	0.46	288	0.077	1	1.84	0.010	0.19	0.1	0.01	6.2	<0.1	<0.05	5	<0.5	<0.2
203258	Soil	24	0.32	216	0.059	<1	1.36	0.009	0.05	0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
203266	Soil	39	0.52	226	0.085	1	1.58	0.013	0.10	0.2	0.03	7.8	<0.1	<0.05	5	<0.5	<0.2
203257	Soil	20	0.88	325	0.178	1	2.03	0.011	0.44	<0.1	0.02	7.4	0.2	<0.05	7	<0.5	<0.2
203264	Soil	31	0.46	394	0.070	<1	1.62	0.019	0.09	0.2	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
203272	Soil	35	0.48	241	0.073	1	1.61	0.012	0.06	0.2	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
201300	Soil	0.9	42.6	91.0	115	<0.1	23.4	13.3	335	4.22	9.9	1.9	4.9	17	0.3	0.7	1.9	113	0.16	0.037	8
201299	Soil	0.7	18.0	9.9	47	<0.1	11.7	9.4	466	2.20	6.6	1.7	1.1	15	<0.1	0.4	0.2	51	0.15	0.044	7
201274	Soil	0.6	10.7	16.7	73	<0.1	6.2	6.4	330	2.96	3.2	<0.5	5.0	30	0.1	0.3	0.1	60	0.40	0.130	9
201281	Soil	0.8	9.9	13.5	47	<0.1	8.2	4.9	574	2.05	4.9	<0.5	2.7	20	<0.1	0.3	0.2	54	0.20	0.040	9
201308	Soil	0.8	16.4	8.0	65	0.2	13.8	10.1	464	2.48	3.6	1.2	2.5	25	0.2	0.5	0.2	64	0.33	0.046	9
201327	Soil	0.8	19.5	11.2	63	0.2	20.3	10.9	625	2.82	7.4	3.3	4.2	23	0.1	0.5	0.2	65	0.22	0.036	12
201317	Soil	0.9	20.0	13.1	44	<0.1	16.2	7.5	212	2.49	7.7	1.6	3.7	19	<0.1	0.7	0.2	56	0.20	0.021	10
201312	Soil	0.8	16.5	9.2	50	<0.1	20.1	8.7	519	2.46	8.9	2.2	3.8	28	<0.1	0.6	0.2	59	0.28	0.021	11
202271	Soil	0.9	36.7	13.9	47	0.1	17.9	10.2	286	2.78	7.4	0.8	2.4	27	<0.1	0.6	0.2	77	0.30	0.035	8
201292	Soil	0.5	20.9	112.6	60	0.3	11.4	8.2	327	2.54	3.3	0.8	3.2	124	0.2	0.4	1.0	68	0.49	0.094	18
201293	Soil	0.6	17.0	46.5	68	0.1	11.0	7.1	241	2.34	5.4	2.2	3.7	34	0.2	0.4	0.5	55	0.31	0.065	16
202252	Soil	0.8	18.4	9.2	48	0.1	19.5	9.2	236	2.51	8.6	<0.5	3.9	19	<0.1	0.6	0.2	63	0.21	0.018	12
202278	Soil	0.7	36.2	9.2	57	<0.1	27.7	12.4	418	3.09	9.5	7.1	5.1	32	<0.1	0.8	0.2	76	0.50	0.042	18
202270	Soil	1.3	9.5	10.4	29	<0.1	9.4	4.2	109	2.10	10.2	2.8	2.8	16	<0.1	0.5	0.2	65	0.19	0.030	13
202281	Soil	0.8	17.1	9.2	56	<0.1	18.0	9.6	793	2.64	7.6	2.7	2.7	24	0.1	0.6	0.2	64	0.28	0.019	9
202255	Soil	0.8	18.7	8.8	45	<0.1	19.9	8.7	225	2.60	8.6	5.2	3.3	21	<0.1	0.6	0.2	63	0.23	0.021	11
202253	Soil	0.8	18.6	10.3	41	<0.1	16.8	7.4	285	2.36	8.3	3.6	3.2	25	<0.1	0.6	0.2	55	0.33	0.023	12
201294	Soil	0.7	18.8	32.0	61	0.2	13.0	6.6	195	2.53	6.4	12.9	2.1	33	0.2	0.4	0.4	65	0.38	0.069	11
201272	Soil	0.4	13.8	4.0	40	<0.1	13.4	7.3	561	2.13	5.9	6.5	6.8	21	<0.1	0.4	<0.1	39	0.46	0.051	16
201289	Soil	1.2	13.8	18.9	47	0.1	16.9	8.0	428	3.30	12.1	6.7	2.6	16	<0.1	0.7	0.2	72	0.13	0.028	9
202202	Soil	0.6	27.8	9.9	74	<0.1	17.5	12.1	341	3.58	7.0	3.8	2.6	21	<0.1	0.4	0.1	87	0.23	0.022	16
202282	Soil	0.7	38.3	8.5	59	<0.1	26.3	14.4	404	3.42	11.2	3.9	4.2	30	<0.1	0.8	0.1	82	0.39	0.028	17
202256	Soil	0.9	35.7	9.0	52	0.1	24.7	11.7	308	3.44	9.8	4.5	4.3	21	<0.1	0.7	0.2	82	0.24	0.018	15
201291	Soil	0.8	15.0	41.6	72	0.1	15.7	8.3	332	2.87	6.3	4.5	4.9	172	<0.1	0.3	0.4	72	0.40	0.072	21
204043	Soil	0.7	38.9	19.0	53	<0.1	19.3	12.3	461	2.50	5.4	3.2	3.0	36	<0.1	0.4	0.2	67	0.41	0.025	14
204052	Soil	0.8	26.4	12.1	69	0.1	24.4	10.9	392	2.40	8.1	9.1	3.7	44	0.3	0.7	0.2	55	0.77	0.078	15
204051	Soil	0.6	32.0	12.5	81	0.1	28.3	11.7	614	2.39	8.4	4.4	4.2	49	0.6	0.8	0.2	50	0.72	0.087	16
204045	Soil	0.8	20.6	11.8	61	<0.1	18.8	8.1	337	2.64	8.6	2.8	3.4	26	<0.1	0.5	0.1	63	0.27	0.021	11
203149	Soil	0.7	22.4	12.8	45	<0.1	24.5	10.2	193	2.76	8.8	1.8	2.8	17	<0.1	0.5	0.2	66	0.18	0.018	9
202200	Soil	0.5	33.1	7.7	42	<0.1	14.3	9.3	237	2.82	6.9	2.7	2.1	31	<0.1	0.4	0.1	69	0.24	0.040	12



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

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		Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
			ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
			1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
201300	Soil	42	0.73	257	0.116	1	2.42	0.009	0.25	0.1	0.02	9.9	0.2	<0.05	8	<0.5	<0.2	
201299	Soil	20	0.41	125	0.050	<1	1.33	0.010	0.09	0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2	
201274	Soil	13	0.69	160	0.023	2	1.91	0.006	0.18	<0.1	<0.01	3.2	0.1	<0.05	8	<0.5	<0.2	
201281	Soil	17	0.42	216	0.116	<1	1.13	0.008	0.24	0.1	0.01	2.5	0.1	<0.05	6	<0.5	<0.2	
201308	Soil	25	0.44	281	0.082	2	1.42	0.017	0.08	0.1	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2	
201327	Soil	34	0.60	302	0.096	1	1.70	0.011	0.18	0.2	0.01	3.5	0.1	<0.05	5	<0.5	<0.2	
201317	Soil	30	0.45	285	0.068	<1	1.55	0.009	0.09	0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2	
201312	Soil	33	0.46	416	0.076	1	1.49	0.011	0.10	0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2	
202271	Soil	36	0.70	244	0.082	1	1.69	0.011	0.10	0.1	0.01	5.4	<0.1	<0.05	5	<0.5	<0.2	
201292	Soil	21	0.67	699	0.090	1	1.63	0.013	0.15	<0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2	
201293	Soil	22	0.48	398	0.076	1	1.57	0.013	0.07	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2	
202252	Soil	34	0.43	232	0.075	1	1.69	0.010	0.05	0.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2	
202278	Soil	37	0.71	289	0.088	3	1.84	0.023	0.05	0.2	0.02	8.2	<0.1	<0.05	6	<0.5	<0.2	
202270	Soil	20	0.31	122	0.067	4	1.18	0.009	0.06	0.2	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2	
202281	Soil	30	0.50	304	0.065	2	1.57	0.013	0.04	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2	
202255	Soil	32	0.48	249	0.074	1	1.60	0.015	0.06	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2	
202253	Soil	30	0.44	249	0.057	1	1.49	0.015	0.04	0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2	
201294	Soil	25	0.53	309	0.069	2	1.77	0.014	0.05	0.1	0.04	5.1	<0.1	<0.05	6	<0.5	<0.2	
201272	Soil	14	0.69	179	0.109	2	1.27	0.018	0.19	0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2	
201289	Soil	34	0.49	258	0.060	<1	2.09	0.009	0.04	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2	
202202	Soil	29	0.94	346	0.116	1	2.16	0.012	0.39	<0.1	0.03	7.2	0.2	<0.05	8	<0.5	<0.2	
202282	Soil	38	0.78	265	0.090	<1	1.85	0.021	0.09	0.1	0.03	10.2	<0.1	<0.05	6	<0.5	<0.2	
202256	Soil	43	0.71	269	0.097	<1	2.00	0.014	0.13	0.1	0.02	8.2	0.1	<0.05	6	<0.5	<0.2	
201291	Soil	28	0.68	631	0.080	1	2.08	0.013	0.13	0.1	0.02	4.1	0.1	<0.05	7	<0.5	<0.2	
204043	Soil	27	0.77	236	0.092	<1	1.70	0.023	0.08	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2	
204052	Soil	28	0.55	370	0.067	2	1.42	0.029	0.06	0.2	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2	
204051	Soil	27	0.59	448	0.064	2	1.23	0.022	0.06	0.2	0.05	4.1	<0.1	0.07	4	0.6	<0.2	
204045	Soil	32	0.56	232	0.074	1	1.79	0.012	0.08	0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2	
203149	Soil	34	0.52	262	0.072	1	1.89	0.011	0.05	0.2	0.02	3.3	0.1	<0.05	5	<0.5	<0.2	
202200	Soil	29	0.73	345	0.090	2	1.97	0.015	0.24	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2	



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202203	Soil	0.7	39.5	10.3	70	<0.1	12.1	14.6	517	4.42	4.5	0.7	2.1	17	<0.1	0.3	0.2	139	0.19	0.026	8
204037	Soil	0.6	41.9	13.0	52	<0.1	18.0	11.1	324	2.62	6.2	1.3	2.4	36	<0.1	0.5	0.1	69	0.49	0.042	9
202199	Soil	0.7	24.0	8.7	46	<0.1	18.0	11.5	274	3.31	8.3	2.6	2.5	27	<0.1	0.5	0.1	81	0.23	0.017	10
204049	Soil	0.9	22.1	22.7	50	0.2	19.7	9.2	313	2.95	10.0	1.8	3.5	23	<0.1	0.6	0.2	72	0.16	0.019	10
203210	Soil	0.8	14.0	8.1	66	<0.1	17.6	9.8	772	2.59	6.1	3.1	3.0	23	<0.1	0.4	0.1	56	0.27	0.053	13
203209	Soil	0.7	16.9	8.9	69	<0.1	19.5	9.6	365	2.99	7.6	1.4	4.0	27	<0.1	0.5	0.2	66	0.40	0.025	12
202261	Soil	0.7	63.7	32.1	72	<0.1	14.0	17.1	611	4.66	7.0	1.5	1.3	28	<0.1	0.3	0.3	159	0.26	0.028	5
202265	Soil	1.4	61.3	13.3	78	<0.1	17.5	8.6	374	4.71	5.0	1.4	4.4	28	<0.1	0.3	0.2	158	0.15	0.033	24
202266	Soil	0.5	42.6	6.4	37	<0.1	11.9	8.8	271	2.40	5.4	0.7	1.9	17	<0.1	0.3	0.1	81	0.44	0.074	6
203207	Soil	0.7	32.5	8.3	68	<0.1	16.9	8.7	311	2.98	6.8	5.7	4.2	19	<0.1	0.5	0.1	54	0.22	0.032	14
202269	Soil	1.2	14.0	11.4	45	0.1	18.1	9.8	805	2.51	8.0	6.6	3.5	18	<0.1	0.6	0.2	57	0.16	0.019	11
202259	Soil	0.6	26.4	15.6	67	<0.1	13.6	12.2	418	3.68	5.8	2.0	2.3	23	<0.1	0.4	0.1	111	0.25	0.020	9
202283	Soil	0.8	22.7	8.1	64	<0.1	19.8	10.2	343	2.75	8.0	0.9	3.4	22	0.1	0.6	0.2	67	0.29	0.034	11
202201	Soil	2.1	52.1	28.6	63	<0.1	12.8	12.1	344	4.59	3.4	1.3	2.0	36	<0.1	0.3	0.4	116	0.18	0.051	10
202275	Soil	0.3	55.5	10.8	55	<0.1	19.8	13.7	284	2.86	6.8	2.4	3.4	44	<0.1	0.4	0.2	75	0.56	0.051	14
202273	Soil	0.8	17.7	8.4	50	<0.1	20.6	8.5	282	2.47	9.4	2.2	3.5	20	<0.1	0.6	0.1	56	0.20	0.017	9
202267	Soil	0.8	13.2	7.4	47	<0.1	13.6	8.5	850	2.12	5.3	1.0	1.9	20	<0.1	0.4	0.1	60	0.17	0.022	8
202254	Soil	0.7	22.3	10.6	49	<0.1	23.7	9.3	256	2.84	10.9	1.6	4.7	22	<0.1	0.6	0.2	65	0.23	0.019	13
202277	Soil	0.5	28.0	11.6	46	0.1	19.0	10.1	600	2.32	8.3	3.0	2.5	41	0.2	0.5	0.2	53	0.54	0.035	11
202280	Soil	0.9	12.1	8.4	43	<0.1	16.7	7.4	256	2.39	8.1	<0.5	3.5	21	<0.1	0.6	0.2	56	0.23	0.016	9
203208	Soil	1.0	10.8	15.4	63	0.1	15.2	7.7	315	2.71	8.8	2.3	2.4	21	<0.1	0.5	0.2	61	0.24	0.022	8
202272	Soil	0.6	18.9	10.8	59	<0.1	15.1	8.3	266	2.54	6.0	1.7	2.2	20	0.1	0.4	0.2	67	0.22	0.042	7
202284	Soil	0.9	17.5	8.7	51	<0.1	17.8	7.8	345	2.63	9.4	0.9	4.1	20	<0.1	0.6	0.2	56	0.23	0.017	12
202276	Soil	0.8	23.1	12.5	45	0.1	14.5	8.7	214	2.47	6.9	1.9	2.4	30	<0.1	0.5	0.2	63	0.43	0.029	8
203196	Soil	0.5	24.7	21.1	154	<0.1	12.3	9.3	528	3.39	5.2	0.6	4.0	44	0.2	0.3	0.2	65	0.58	0.102	16
203206	Soil	0.6	17.2	7.9	45	<0.1	17.0	7.6	218	2.30	7.7	2.0	3.5	21	<0.1	0.5	0.1	49	0.22	0.013	11
203181	Soil	0.9	28.9	8.1	40	0.2	11.9	9.8	775	2.43	5.1	1.5	2.2	20	<0.1	0.3	0.2	68	0.22	0.029	7
203182	Soil	0.6	31.0	13.9	55	<0.1	13.0	10.6	616	3.02	6.0	1.0	1.9	22	<0.1	0.4	0.1	87	0.26	0.028	6
203200	Soil	0.8	12.6	10.7	43	<0.1	15.4	9.3	234	2.46	7.4	3.8	2.8	29	<0.1	0.5	0.2	56	0.39	0.036	9
203188	Soil	0.7	27.7	12.7	56	<0.1	11.0	11.9	764	3.05	5.4	0.8	1.4	29	<0.1	0.4	0.2	77	0.32	0.023	4



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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680 3rd Ave, Suite 203
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Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202203	Soil	27	1.58	663	0.159	<1	2.62	0.011	0.55	<0.1	0.01	14.0	0.2	<0.05	9	<0.5	<0.2
204037	Soil	27	0.75	230	0.093	1	1.59	0.019	0.07	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
202199	Soil	36	0.98	315	0.100	<1	2.22	0.015	0.21	<0.1	0.01	5.2	0.2	<0.05	6	<0.5	<0.2
204049	Soil	37	0.52	224	0.073	1	2.00	0.009	0.07	0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
203210	Soil	28	0.45	315	0.061	<1	1.67	0.011	0.09	0.1	0.01	4.7	0.1	<0.05	6	<0.5	<0.2
203209	Soil	35	0.59	281	0.078	2	1.82	0.017	0.08	0.1	0.02	6.4	<0.1	<0.05	6	<0.5	<0.2
202261	Soil	27	1.49	249	0.240	<1	2.57	0.015	0.78	<0.1	0.01	5.9	0.4	<0.05	9	<0.5	<0.2
202265	Soil	65	1.01	353	0.230	<1	2.37	0.009	0.77	<0.1	0.01	16.1	0.5	0.07	8	1.0	<0.2
202266	Soil	21	0.50	150	0.060	<1	1.33	0.039	0.06	<0.1	0.01	6.2	<0.1	<0.05	5	<0.5	<0.2
203207	Soil	27	0.49	266	0.090	1	1.76	0.012	0.19	0.1	0.01	8.8	0.1	<0.05	7	<0.5	<0.2
202269	Soil	30	0.48	246	0.072	<1	1.49	0.012	0.07	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
202259	Soil	24	0.94	286	0.141	<1	2.06	0.017	0.36	<0.1	0.01	8.5	0.3	<0.05	8	<0.5	<0.2
202283	Soil	33	0.52	281	0.071	<1	1.71	0.013	0.09	0.2	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
202201	Soil	30	1.09	375	0.169	<1	2.44	0.015	0.42	<0.1	<0.01	9.0	0.3	0.07	9	1.1	<0.2
202275	Soil	26	0.65	265	0.101	1	1.69	0.034	0.11	0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
202273	Soil	32	0.49	302	0.071	1	1.38	0.011	0.12	0.1	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2
202267	Soil	25	0.38	279	0.056	1	1.43	0.011	0.07	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
202254	Soil	39	0.52	266	0.065	1	1.87	0.009	0.06	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
202277	Soil	22	0.50	330	0.046	2	1.35	0.019	0.05	0.2	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
202280	Soil	29	0.46	226	0.062	1	1.50	0.009	0.07	0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
203208	Soil	30	0.48	224	0.056	<1	1.57	0.009	0.07	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
202272	Soil	23	0.56	292	0.091	<1	1.32	0.011	0.18	0.1	<0.01	4.1	0.1	<0.05	5	<0.5	<0.2
202284	Soil	35	0.44	254	0.066	<1	1.60	0.009	0.07	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
202276	Soil	24	0.54	230	0.072	1	1.50	0.015	0.08	0.2	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
203196	Soil	20	0.77	212	0.089	<1	1.80	0.012	0.14	0.1	0.02	5.5	0.1	<0.05	9	<0.5	<0.2
203206	Soil	27	0.39	227	0.066	<1	1.52	0.009	0.06	0.1	0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
203181	Soil	23	0.53	309	0.095	<1	1.34	0.012	0.25	0.1	0.02	4.3	0.2	<0.05	5	<0.5	<0.2
203182	Soil	22	0.72	251	0.132	2	1.54	0.013	0.43	<0.1	<0.01	5.0	0.2	<0.05	6	<0.5	<0.2
203200	Soil	26	0.50	259	0.061	<1	1.58	0.012	0.04	0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
203188	Soil	19	0.70	269	0.130	<1	1.65	0.016	0.26	<0.1	0.01	4.7	0.1	<0.05	6	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
203186	Soil	0.6	17.8	6.8	47	<0.1	14.4	8.5	388	2.21	5.6	1.7	2.4	22	<0.1	0.4	0.1	58	0.26	0.022	7
203205	Soil	0.6	23.6	9.3	52	<0.1	16.7	9.6	253	2.61	6.9	1.3	3.8	33	<0.1	0.5	0.1	54	0.36	0.027	15
203187	Soil	0.5	38.8	14.8	52	<0.1	12.5	14.8	337	3.54	5.2	0.7	1.9	25	<0.1	0.3	0.1	113	0.36	0.014	4
203194	Soil	0.6	23.9	8.8	43	<0.1	20.9	9.1	345	2.32	8.0	2.7	3.6	37	0.2	0.6	0.2	53	0.49	0.047	12
203184	Soil	0.6	27.7	12.9	56	<0.1	13.0	10.5	371	2.92	5.6	1.1	1.8	18	<0.1	0.4	0.1	82	0.22	0.018	5
203201	Soil	0.4	26.5	8.4	52	<0.1	19.2	8.4	354	2.21	6.8	2.2	3.0	47	0.3	0.6	0.2	48	0.69	0.058	13
203179	Soil	0.5	12.4	8.0	30	0.2	11.5	4.9	113	1.55	4.7	2.4	2.3	17	<0.1	0.3	0.2	46	0.18	0.020	8
203164	Soil	0.8	18.0	5.9	57	<0.1	11.5	8.5	507	2.81	6.0	0.9	2.1	22	<0.1	0.3	<0.1	60	0.30	0.063	7
203193	Soil	0.5	25.5	7.4	41	<0.1	19.9	8.4	258	2.20	7.8	2.8	3.6	36	<0.1	0.5	0.1	48	0.49	0.055	12
203268	Soil	0.8	13.1	8.4	51	<0.1	16.8	7.2	456	2.36	7.9	1.9	3.5	25	<0.1	0.5	0.2	50	0.35	0.032	9
203248	Soil	0.9	9.7	10.0	33	0.2	12.5	8.0	305	2.15	6.2	1.3	2.5	18	<0.1	0.5	0.2	56	0.16	0.024	8
203247	Soil	0.7	18.2	8.8	43	0.1	18.9	9.4	261	2.65	8.5	1.4	3.4	22	<0.1	0.6	0.1	61	0.22	0.023	9
203244	Soil	0.6	17.8	7.1	52	0.1	16.4	8.6	269	2.91	7.8	0.6	2.9	18	<0.1	0.4	0.1	64	0.20	0.030	10
203253	Soil	0.9	12.1	10.5	55	<0.1	17.4	8.6	591	2.51	5.9	0.8	3.7	15	<0.1	0.5	0.2	50	0.16	0.038	13
203245	Soil	0.8	20.3	8.9	43	0.1	18.8	7.9	188	2.64	8.5	2.7	3.9	19	<0.1	0.5	0.1	57	0.22	0.039	13
203260	Soil	0.5	19.4	11.1	40	<0.1	17.7	7.5	216	2.26	8.4	3.1	4.0	31	<0.1	0.4	0.2	47	0.46	0.053	14
203246	Soil	0.6	17.8	7.6	31	<0.1	10.6	6.6	144	2.11	5.7	2.7	2.0	30	<0.1	0.3	0.1	52	0.24	0.020	9
203249	Soil	0.6	19.7	12.2	40	0.1	14.2	8.5	239	2.43	6.5	11.3	2.5	28	<0.1	0.4	0.1	62	0.29	0.018	7
203252	Soil	0.6	14.4	9.0	60	<0.1	14.8	8.1	366	2.70	5.5	4.1	4.5	21	<0.1	0.4	0.1	49	0.25	0.037	10
203243	Soil	0.6	17.1	8.2	103	<0.1	9.7	8.4	1179	2.93	3.3	0.7	3.8	25	0.1	0.3	0.1	61	0.28	0.066	10



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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Val D'Or Québec J9P 1S5 Canada

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5
203186	Soil	24	0.51	274	0.084	<1	1.30	0.012	0.14	0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
203205	Soil	27	0.50	285	0.098	1	1.61	0.015	0.13	0.1	0.02	6.6	0.1	<0.05	6	<0.5	<0.2
203187	Soil	21	0.85	300	0.143	<1	1.85	0.024	0.29	<0.1	0.01	7.0	0.2	<0.05	7	<0.5	<0.2
203194	Soil	26	0.48	342	0.065	1	1.42	0.022	0.05	0.2	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
203184	Soil	21	0.77	202	0.134	1	1.60	0.011	0.45	<0.1	<0.01	3.4	0.2	<0.05	5	<0.5	<0.2
203201	Soil	24	0.46	293	0.065	1	1.31	0.021	0.06	0.2	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
203179	Soil	21	0.35	177	0.065	1	1.13	0.008	0.06	0.2	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
203164	Soil	18	0.97	260	0.157	1	1.97	0.009	0.30	0.1	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
203193	Soil	24	0.49	278	0.066	<1	1.38	0.022	0.05	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
203268	Soil	29	0.38	302	0.063	<1	1.41	0.010	0.11	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
203248	Soil	25	0.36	246	0.051	<1	1.46	0.008	0.05	0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
203247	Soil	31	0.52	235	0.078	1	1.68	0.011	0.08	0.1	0.01	3.9	0.1	<0.05	5	<0.5	<0.2
203244	Soil	27	0.65	221	0.095	1	1.88	0.012	0.21	0.1	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
203253	Soil	27	0.37	262	0.069	1	1.67	0.009	0.12	0.1	0.01	5.9	0.1	<0.05	5	<0.5	<0.2
203245	Soil	31	0.50	229	0.063	2	1.59	0.010	0.05	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
203260	Soil	28	0.42	307	0.056	<1	1.47	0.013	0.05	0.2	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
203246	Soil	20	0.40	184	0.066	1	1.32	0.012	0.05	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
203249	Soil	26	0.55	221	0.070	<1	1.78	0.014	0.06	0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
203252	Soil	25	0.49	223	0.082	<1	1.48	0.010	0.27	0.1	0.01	4.5	0.1	<0.05	5	<0.5	<0.2
203243	Soil	18	0.59	390	0.103	2	1.75	0.010	0.57	<0.1	<0.01	5.1	0.2	<0.05	8	<0.5	<0.2



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Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

Project:

Rosebute

Report Date:

September 12, 2017

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QUALITY CONTROL REPORT

WHI17000598.1

Method Analyte Unit MDL		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																				
202246	Soil	0.5	21.6	7.8	47	<0.1	15.9	8.2	172	2.17	7.5	2.6	4.2	21	<0.1	0.4	0.1	56	0.26	0.051
REP 202246	QC	0.5	21.7	7.8	46	<0.1	15.4	8.1	167	2.17	7.7	3.0	4.1	21	<0.1	0.4	0.1	58	0.26	0.050
203067	Soil	0.4	32.4	6.6	44	0.1	16.3	9.1	703	2.22	6.1	2.8	3.2	36	<0.1	0.4	0.1	46	0.88	0.074
REP 203067	QC	0.5	33.9	6.6	45	0.1	16.4	8.9	704	2.26	6.4	3.4	3.3	37	<0.1	0.5	0.1	48	0.88	0.074
203122	Soil	0.8	15.8	10.4	42	<0.1	14.5	6.5	205	2.33	7.3	1.3	3.9	18	<0.1	0.6	0.2	60	0.15	0.018
REP 203122	QC	0.8	15.6	10.0	42	<0.1	14.1	6.3	206	2.37	7.5	1.3	3.8	17	<0.1	0.5	0.2	58	0.16	0.019
203234	Soil	1.1	15.9	14.8	57	<0.1	11.9	6.2	176	2.29	4.4	1.5	9.0	16	<0.1	0.4	0.2	50	0.16	0.014
REP 203234	QC	1.1	16.1	14.7	59	<0.1	12.2	6.7	173	2.36	4.6	2.8	8.9	16	<0.1	0.4	0.2	49	0.17	0.013
202133	Soil	5.5	33.1	15.0	75	0.3	30.4	7.8	598	2.36	26.1	1.6	2.5	36	0.3	0.4	0.1	51	2.83	0.059
REP 202133	QC	5.2	33.1	15.0	77	0.3	31.6	7.6	610	2.37	26.3	0.7	2.5	36	0.3	0.4	0.1	50	2.91	0.059
202153	Soil	0.9	12.2	7.3	42	<0.1	11.2	5.4	192	2.00	4.9	7.3	4.0	21	<0.1	0.4	0.2	43	0.23	0.028
REP 202153	QC	0.9	12.4	7.3	44	<0.1	10.9	5.4	190	1.96	4.7	2.3	3.8	21	<0.1	0.3	0.2	45	0.22	0.026
201293	Soil	0.6	17.0	46.5	68	0.1	11.0	7.1	241	2.34	5.4	2.2	3.7	34	0.2	0.4	0.5	55	0.31	0.065
REP 201293	QC	0.5	17.5	46.7	69	0.1	11.4	7.2	255	2.35	5.3	2.0	3.7	34	0.2	0.5	0.5	54	0.31	0.065
202267	Soil	0.8	13.2	7.4	47	<0.1	13.6	8.5	850	2.12	5.3	1.0	1.9	20	<0.1	0.4	0.1	60	0.17	0.022
REP 202267	QC	0.9	13.7	8.1	51	<0.1	15.0	9.4	947	2.30	5.8	0.9	2.0	21	<0.1	0.4	0.1	63	0.18	0.021
203248	Soil	0.9	9.7	10.0	33	0.2	12.5	8.0	305	2.15	6.2	1.3	2.5	18	<0.1	0.5	0.2	56	0.16	0.024
REP 203248	QC	0.9	9.7	9.9	32	0.2	11.6	7.7	293	2.13	6.5	1.7	2.4	17	<0.1	0.5	0.2	52	0.17	0.023
Reference Materials																				
STD DS11	Standard	14.7	174.0	155.7	353	1.6	81.0	14.5	1012	3.07	45.1	64.8	8.9	67	2.6	10.2	13.8	53	0.99	0.074
STD DS11	Standard	14.8	171.2	152.3	353	1.6	82.5	14.5	1060	3.22	46.9	81.1	9.2	72	2.6	10.0	14.5	53	1.05	0.072
STD DS11	Standard	13.8	142.0	135.5	330	1.7	73.6	13.5	1008	3.07	41.9	93.7	7.7	68	2.4	8.8	11.4	49	1.01	0.070
STD DS11	Standard	15.3	155.7	135.7	352	1.8	83.0	14.7	1055	3.38	45.9	100.5	7.5	68	2.6	9.2	11.8	52	1.04	0.077
STD DS11	Standard	12.9	148.8	137.6	332	1.7	79.2	13.6	1026	3.05	43.2	77.9	7.6	63	2.5	8.9	10.9	51	1.02	0.068
STD DS11	Standard	14.2	147.3	141.2	328	1.7	76.0	13.8	1015	3.00	41.4	73.1	8.3	73	2.2	9.7	12.5	52	1.00	0.069
STD DS11	Standard	13.1	137.8	129.2	319	1.7	71.8	13.0	957	3.02	43.2	67.2	7.4	66	2.8	8.8	11.3	48	1.00	0.072
STD DS11	Standard	13.3	143.8	128.9	328	1.7	73.5	13.2	948	3.04	42.0	72.2	7.5	68	2.5	8.7	11.5	46	1.00	0.069
STD DS11	Standard	14.5	146.7	136.2	340	1.8	77.3	13.6	1063	3.18	43.0	71.4	8.6	72	2.4	9.2	12.2	53	1.08	0.069



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
202246	Soil	26	0.50	199	0.082	1	1.39	0.013	0.05	0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
REP 202246	QC	25	0.49	198	0.083	2	1.35	0.013	0.05	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
203067	Soil	22	0.54	1678	0.064	<1	1.57	0.017	0.06	0.1	0.07	5.2	<0.1	<0.05	5	0.5	<0.2
REP 203067	QC	23	0.55	1714	0.063	<1	1.59	0.017	0.06	0.1	0.07	4.9	<0.1	<0.05	5	0.7	<0.2
203122	Soil	25	0.41	162	0.082	<1	1.64	0.009	0.04	0.2	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
REP 203122	QC	26	0.41	166	0.082	<1	1.63	0.009	0.05	0.1	0.01	3.0	0.1	<0.05	6	<0.5	<0.2
203234	Soil	21	0.42	137	0.060	4	1.57	0.009	0.14	<0.1	0.01	3.9	0.2	<0.05	5	<0.5	<0.2
REP 203234	QC	22	0.40	135	0.064	3	1.53	0.009	0.14	<0.1	0.02	3.5	0.2	<0.05	6	0.7	<0.2
202133	Soil	40	0.89	135	0.027	<1	1.56	0.006	0.06	0.2	0.04	5.5	0.2	<0.05	5	0.7	<0.2
REP 202133	QC	41	0.89	140	0.026	<1	1.66	0.007	0.06	0.2	0.04	5.3	0.2	<0.05	5	0.7	<0.2
202153	Soil	23	0.35	175	0.056	3	1.28	0.010	0.05	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
REP 202153	QC	23	0.34	171	0.057	3	1.28	0.010	0.05	0.2	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
201293	Soil	22	0.48	398	0.076	1	1.57	0.013	0.07	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
REP 201293	QC	21	0.48	397	0.075	1	1.52	0.012	0.06	0.1	0.02	4.6	0.1	<0.05	5	<0.5	<0.2
202267	Soil	25	0.38	279	0.056	1	1.43	0.011	0.07	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
REP 202267	QC	28	0.41	298	0.059	<1	1.57	0.011	0.08	0.1	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
203248	Soil	25	0.36	246	0.051	<1	1.46	0.008	0.05	0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
REP 203248	QC	24	0.35	251	0.046	<1	1.42	0.008	0.05	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	61	0.82	365	0.097	7	1.03	0.066	0.37	3.2	0.26	3.0	5.0	0.27	5	2.9	5.0
STD DS11	Standard	62	0.84	361	0.103	6	1.16	0.077	0.39	3.1	0.28	3.4	4.9	0.28	5	2.2	4.8
STD DS11	Standard	58	0.80	380	0.097	7	1.12	0.074	0.39	3.2	0.25	3.2	4.7	0.29	5	1.8	4.4
STD DS11	Standard	64	0.93	388	0.093	6	1.18	0.080	0.41	3.0	0.27	3.4	4.8	0.30	5	2.4	4.7
STD DS11	Standard	60	0.82	349	0.088	6	1.17	0.068	0.39	3.1	0.25	3.1	4.9	0.29	5	2.2	4.4
STD DS11	Standard	59	0.83	353	0.099	7	1.12	0.072	0.39	2.9	0.27	3.1	4.8	0.26	5	1.9	4.5
STD DS11	Standard	56	0.80	362	0.086	8	1.07	0.069	0.41	2.9	0.25	3.2	4.6	0.28	5	1.9	4.8
STD DS11	Standard	55	0.77	369	0.094	7	1.13	0.067	0.39	2.9	0.25	3.3	4.7	0.28	5	2.1	4.5
STD DS11	Standard	62	0.84	393	0.108	8	1.23	0.076	0.41	3.0	0.26	3.3	4.9	0.29	5	2.2	4.7



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		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001	AQ201 La ppm 1
STD OXC129	Standard	1.2	30.4	7.0	42	<0.1	82.8	20.8	406	2.93	0.7	191.4	2.1	174	<0.1	<0.1	<0.1	56	0.65	0.115	14
STD OXC129	Standard	1.3	31.6	7.0	44	<0.1	82.3	21.4	443	3.16	<0.5	197.5	2.2	204	<0.1	<0.1	<0.1	57	0.78	0.113	14
STD OXC129	Standard	1.2	25.9	6.4	39	<0.1	72.6	20.1	396	3.04	0.6	192.0	2.0	183	<0.1	<0.1	<0.1	51	0.68	0.096	13
STD OXC129	Standard	1.4	26.9	6.2	40	<0.1	79.0	21.4	407	3.04	<0.5	198.5	1.8	193	<0.1	<0.1	<0.1	52	0.71	0.114	12
STD OXC129	Standard	1.2	26.6	6.2	39	<0.1	73.5	19.3	422	2.93	0.6	190.0	1.8	184	<0.1	<0.1	<0.1	54	0.71	0.104	11
STD OXC129	Standard	1.0	26.7	6.7	39	<0.1	75.9	19.7	419	2.94	0.6	199.3	2.1	187	<0.1	<0.1	<0.1	53	0.69	0.101	13
STD OXC129	Standard	1.2	27.7	6.5	41	<0.1	76.1	19.7	420	3.02	<0.5	191.5	1.9	184	<0.1	<0.1	<0.1	51	0.62	0.102	12
STD OXC129	Standard	1.2	26.8	6.4	37	<0.1	73.2	19.7	386	2.92	0.6	195.4	1.9	195	<0.1	<0.1	<0.1	50	0.75	0.090	12
STD OXC129	Standard	1.1	27.6	6.7	39	<0.1	78.0	19.5	410	3.11	0.7	200.7	2.0	209	<0.1	<0.1	<0.1	56	0.84	0.102	12
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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		AQ201 Cr ppm	AQ201 Mg %	AQ201 Ba ppm	AQ201 Ti %	AQ201 B ppm	AQ201 Al %	AQ201 Na %	AQ201 K %	AQ201 W ppm	AQ201 Hg ppm	AQ201 Sc ppm	AQ201 Ti ppm	AQ201 S %	AQ201 Ga ppm	AQ201 Se ppm	AQ201 Te ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	54	1.48	47	0.419	2	1.50	0.555	0.35	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	58	1.53	51	0.436	<1	1.68	0.584	0.38	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	49	1.46	48	0.403	2	1.55	0.552	0.35	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.54	48	0.410	2	1.57	0.658	0.38	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	50	1.52	48	0.394	<1	1.54	0.603	0.36	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	51	1.48	49	0.425	1	1.54	0.586	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	50	1.58	49	0.373	1	1.57	0.607	0.37	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	50	1.53	50	0.384	<1	1.44	0.544	0.35	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	54	1.58	52	0.420	<1	1.69	0.604	0.37	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 15, 2017
Report Date: September 12, 2017
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI17000599.1

CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 38

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	38	Dry at 60C			WHI
SS80	38	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	38	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	38	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
202279	Soil	0.8	24.2	9.0	47	<0.1	20.8	11.0	527	2.72	8.2	4.1	3.8	29	0.1	0.6	0.1	65	0.40	0.023	12
201277	Soil	0.8	12.6	10.3	50	<0.1	14.7	7.9	310	2.98	10.3	1.4	3.2	19	<0.1	0.6	0.2	65	0.18	0.032	7
203081	Soil	2.0	13.1	7.7	46	0.1	12.0	7.2	456	2.42	5.1	1.8	4.7	20	0.1	0.3	0.4	50	0.25	0.035	15
203098	Soil	0.9	14.9	9.9	85	<0.1	7.1	7.7	176	2.67	4.3	<0.5	4.7	5	<0.1	0.3	0.3	53	0.04	0.010	6
201267	Soil	0.4	34.0	4.5	63	<0.1	13.8	13.1	545	3.26	5.6	4.6	2.4	26	<0.1	0.3	<0.1	69	0.43	0.082	9
201269	Soil	0.4	16.9	4.0	94	<0.1	10.4	10.3	377	2.39	3.1	1.6	1.6	26	<0.1	0.2	<0.1	51	0.50	0.075	12
203087	Soil	1.6	17.5	9.0	47	0.2	12.7	5.1	287	2.06	4.3	0.6	3.2	25	0.2	0.3	0.4	42	0.33	0.048	45
203120	Soil	0.8	18.1	11.4	66	<0.1	12.5	8.3	380	3.03	5.0	0.5	11.9	17	<0.1	0.5	0.2	53	0.16	0.022	33
201275	Soil	0.8	15.0	43.5	73	0.1	6.3	7.6	498	3.09	3.3	<0.5	6.1	27	0.1	0.3	0.7	62	0.38	0.077	11
201268	Soil	0.5	30.3	5.6	77	<0.1	19.2	13.8	475	3.37	6.4	0.9	2.6	22	<0.1	0.3	<0.1	85	0.42	0.077	7
203089	Soil	0.7	11.6	3.4	34	0.1	4.6	2.3	712	0.66	<0.5	<0.5	0.5	19	0.9	0.1	0.2	21	0.25	0.025	6
203101	Soil	1.7	30.7	14.2	72	0.6	16.4	18.7	1937	3.52	5.2	2.7	8.5	22	0.2	0.4	0.3	61	0.25	0.043	46
201284	Soil	0.6	24.1	22.2	50	0.1	23.9	8.9	299	2.61	10.8	2.3	4.9	30	<0.1	0.7	0.3	57	0.32	0.028	12
201287	Soil	0.6	23.8	42.9	84	0.4	15.0	10.0	799	2.88	3.6	1.3	2.0	41	0.2	0.2	0.4	57	0.54	0.065	13
203096	Soil	0.9	8.9	11.0	46	<0.1	7.4	4.6	222	1.66	3.1	2.4	2.9	13	<0.1	0.2	0.2	36	0.11	0.014	11
203088	Soil	1.3	12.7	9.2	49	0.1	9.8	5.7	787	1.49	3.6	<0.5	2.1	22	0.2	0.2	0.3	35	0.32	0.051	18
203119	Soil	1.0	15.1	10.7	56	<0.1	18.4	9.4	475	2.97	9.4	0.8	6.8	17	<0.1	0.6	0.2	63	0.14	0.035	10
203103	Soil	1.1	14.9	13.2	55	0.5	19.4	11.1	1747	2.49	6.2	<0.5	3.6	16	0.3	0.4	0.3	63	0.17	0.021	16
203094	Soil	1.3	12.7	7.6	44	0.1	14.4	7.8	349	2.71	10.0	<0.5	5.4	16	<0.1	0.3	0.2	54	0.24	0.028	16
203116	Soil	0.8	10.2	11.3	40	0.1	13.2	6.7	237	2.40	6.9	1.1	2.8	14	<0.1	0.5	0.2	60	0.12	0.025	8
203083	Soil	1.5	13.3	8.8	46	<0.1	14.3	7.6	323	2.40	6.1	5.7	5.2	27	<0.1	0.3	0.2	48	0.31	0.030	14
203111	Soil	0.9	8.9	8.9	50	<0.1	12.2	7.2	525	2.43	5.5	0.8	2.6	13	0.1	0.4	0.2	58	0.15	0.032	8
203085	Soil	1.1	11.6	6.0	36	0.1	9.7	4.6	161	1.56	3.5	2.4	2.8	25	0.1	0.2	0.2	32	0.29	0.050	12
203104	Soil	1.0	12.6	16.7	52	0.4	13.1	9.3	934	2.23	6.0	<0.5	3.2	18	0.1	0.4	0.3	50	0.15	0.025	8
203107	Soil	1.0	12.8	8.8	41	0.2	14.6	11.9	932	2.32	6.4	<0.5	3.4	14	<0.1	0.5	0.2	53	0.13	0.024	12
203102	Soil	0.9	10.2	14.4	125	<0.1	18.3	12.1	747	3.09	4.7	<0.5	2.7	23	0.2	0.3	0.2	69	0.32	0.031	6
203121	Soil	0.9	16.2	9.7	62	<0.1	13.4	8.2	372	2.57	5.7	1.5	8.0	20	<0.1	0.5	0.2	56	0.21	0.039	18
201188	Soil	0.2	15.3	2.8	56	<0.1	7.7	12.4	549	2.45	2.1	0.5	2.2	77	<0.1	0.1	<0.1	35	1.00	0.128	11
203079	Soil	3.3	12.3	9.6	45	0.1	11.7	8.4	445	2.42	6.7	3.3	3.9	20	<0.1	0.4	0.3	52	0.30	0.033	11
203084	Soil	1.6	22.3	8.4	50	0.3	15.0	10.9	1109	2.34	4.8	<0.5	2.5	33	0.3	0.3	0.2	43	0.42	0.056	16



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
202279	Soil	33	0.51	260	0.081	<1	1.63	0.013	0.06	0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
201277	Soil	28	0.55	183	0.092	<1	1.76	0.008	0.09	0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
203081	Soil	25	0.39	195	0.056	2	1.39	0.010	0.11	0.3	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
203098	Soil	13	0.55	219	0.048	3	1.80	0.008	0.41	<0.1	<0.01	2.1	0.2	<0.05	7	<0.5	<0.2
201267	Soil	18	1.21	202	0.185	2	2.02	0.013	0.68	<0.1	0.05	4.8	0.2	<0.05	5	<0.5	<0.2
201269	Soil	10	1.05	156	0.123	1	1.76	0.008	0.50	<0.1	0.03	2.4	0.2	<0.05	6	<0.5	<0.2
203087	Soil	21	0.35	226	0.059	3	1.44	0.009	0.13	0.1	0.05	3.8	0.1	<0.05	6	<0.5	<0.2
203120	Soil	21	0.52	284	0.079	1	1.73	0.008	0.11	0.2	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
201275	Soil	14	0.72	224	0.076	1	1.60	0.007	0.37	<0.1	0.03	4.8	0.2	<0.05	8	<0.5	<0.2
201268	Soil	41	1.19	302	0.177	1	2.04	0.010	0.73	0.1	0.01	4.5	0.2	<0.05	8	<0.5	<0.2
203089	Soil	8	0.06	166	0.029	1	0.38	0.012	0.07	<0.1	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
203101	Soil	30	0.59	470	0.065	3	2.27	0.011	0.22	0.1	0.03	5.8	0.2	<0.05	8	<0.5	<0.2
201284	Soil	32	0.51	408	0.080	3	1.44	0.014	0.08	0.2	0.03	5.8	<0.1	<0.05	4	<0.5	<0.2
201287	Soil	25	0.76	470	0.062	2	1.62	0.014	0.18	<0.1	0.07	7.9	0.1	<0.05	6	<0.5	<0.2
203096	Soil	15	0.29	140	0.068	<1	1.26	0.007	0.11	0.1	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
203088	Soil	17	0.26	216	0.053	<1	1.03	0.011	0.10	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
203119	Soil	33	0.53	238	0.070	1	2.00	0.007	0.10	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
203103	Soil	27	0.36	533	0.051	<1	1.80	0.010	0.05	0.1	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
203094	Soil	27	0.72	322	0.103	1	1.77	0.013	0.33	0.2	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
203116	Soil	26	0.35	153	0.059	<1	1.51	0.006	0.06	0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
203083	Soil	30	0.49	286	0.049	2	1.63	0.011	0.05	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
203111	Soil	22	0.34	148	0.055	<1	1.53	0.007	0.07	0.1	0.01	2.6	0.1	<0.05	6	<0.5	<0.2
203085	Soil	18	0.29	183	0.043	2	1.05	0.009	0.11	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
203104	Soil	22	0.36	312	0.048	<1	1.34	0.008	0.09	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
203107	Soil	25	0.37	276	0.063	1	1.37	0.009	0.12	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
203102	Soil	35	1.37	371	0.147	1	1.97	0.009	0.49	0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2
203121	Soil	23	0.61	201	0.089	<1	1.59	0.010	0.11	0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
201188	Soil	9	0.91	170	0.184	<1	2.27	0.006	0.28	<0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
203079	Soil	24	0.38	214	0.034	1	1.52	0.009	0.08	0.2	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
203084	Soil	24	0.36	349	0.034	2	1.71	0.010	0.09	0.1	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
203105	Soil	1.0	14.0	11.4	59	0.2	16.6	7.7	406	2.79	7.5	0.9	3.4	17	0.2	0.5	0.2	55	0.17	0.026
203115	Soil	0.7	8.4	10.0	73	<0.1	12.7	7.6	434	2.57	6.1	<0.5	2.5	15	0.3	0.4	0.2	63	0.16	0.052
203112	Soil	0.9	12.4	8.8	62	<0.1	17.8	11.1	873	2.58	7.0	<0.5	3.7	22	0.1	0.6	0.2	59	0.21	0.025
203086	Soil	1.2	12.8	8.4	45	0.1	10.7	5.6	306	2.07	5.4	1.9	4.6	16	0.1	0.3	0.3	45	0.20	0.056
203091	Soil	1.3	7.1	6.7	17	<0.1	3.4	1.6	62	0.81	1.7	1.9	1.4	9	<0.1	0.1	0.3	26	0.07	0.020
203109	Soil	1.0	11.8	6.4	69	0.1	11.9	12.1	889	3.05	3.3	0.6	3.7	23	0.2	0.3	0.1	54	0.32	0.055
203090	Soil	1.2	12.0	5.9	39	<0.1	9.0	4.8	238	1.86	3.4	<0.5	3.7	16	0.1	0.2	0.2	39	0.22	0.027
203108	Soil	0.8	11.2	8.6	41	<0.1	14.7	7.4	212	2.50	7.9	1.9	2.4	17	0.1	0.4	0.1	58	0.17	0.025



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
203105	Soil	30	0.41	231	0.050	1	1.67	0.008	0.09	0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
203115	Soil	23	0.37	189	0.048	<1	1.51	0.007	0.05	0.1	0.01	2.2	0.1	<0.05	6	<0.5	<0.2
203112	Soil	27	0.40	369	0.053	<1	1.70	0.007	0.04	0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
203086	Soil	20	0.36	181	0.067	<1	1.39	0.008	0.10	0.2	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
203091	Soil	9	0.10	79	0.048	<1	0.58	0.009	0.05	<0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
203109	Soil	21	0.70	325	0.130	<1	1.54	0.010	0.55	0.3	<0.01	3.0	0.2	<0.05	6	<0.5	<0.2
203090	Soil	18	0.34	125	0.081	<1	1.15	0.010	0.08	0.2	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
203108	Soil	27	0.39	161	0.071	<1	1.47	0.007	0.10	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

Project:

Rosebute

Report Date:

September 12, 2017

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QUALITY CONTROL REPORT

WHI17000599.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
203102	Soil	0.9	10.2	14.4	125	<0.1	18.3	12.1	747	3.09	4.7	<0.5	2.7	23	0.2	0.3	0.2	69	0.32	0.031	6
REP 203102	QC	1.0	10.4	14.5	130	<0.1	18.1	12.1	763	3.19	5.0	<0.5	2.6	23	0.2	0.3	0.2	69	0.34	0.030	6
Reference Materials																					
STD DS11	Standard	13.1	137.8	129.2	319	1.7	71.8	13.0	957	3.02	43.2	67.2	7.4	66	2.8	8.8	11.3	48	1.00	0.072	17
STD DS11	Standard	13.6	141.6	132.7	321	1.8	73.0	13.3	977	3.05	43.4	72.4	7.3	67	2.4	8.5	11.4	46	0.99	0.068	17
STD OXC129	Standard	1.2	27.7	6.5	41	<0.1	76.1	19.7	420	3.02	<0.5	191.5	1.9	184	<0.1	<0.1	<0.1	51	0.62	0.102	12
STD OXC129	Standard	1.2	27.5	6.7	41	<0.1	78.8	20.6	421	3.11	<0.5	194.8	1.8	184	<0.1	<0.1	<0.1	53	0.64	0.104	13
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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PHONE (604) 253-3158

Client:

Taku Gold Corp

680 3rd Ave, Suite 203

Val D'Or Québec J9P 1S5 Canada

Project:

Rosebute

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QUALITY CONTROL REPORT

WHI17000599.1

	Method Analyte Unit MDL	AQ201																
		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
Pulp Duplicates																		
203102	Soil	35	1.37	371	0.147	1	1.97	0.009	0.49	0.1	0.01	3.5	0.2	<0.05	6	<0.5	<0.2	
REP 203102	QC	35	1.34	371	0.146	<1	1.98	0.009	0.52	0.1	<0.01	3.6	0.2	<0.05	6	<0.5	<0.2	
Reference Materials																		
STD DS11	Standard	56	0.80	362	0.086	8	1.07	0.069	0.41	2.9	0.25	3.2	4.6	0.28	5	1.9	4.8	
STD DS11	Standard	56	0.83	362	0.086	6	1.10	0.068	0.39	3.0	0.26	3.1	4.8	0.26	5	2.1	4.8	
STD OXC129	Standard	50	1.58	49	0.373	1	1.57	0.607	0.37	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2	
STD OXC129	Standard	51	1.52	52	0.399	2	1.52	0.606	0.40	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2	
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6			
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Submitted By: Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 01, 2017
Report Date: September 12, 2017
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000427.1

CLIENT JOB INFORMATION

Project: Rosebute
Shipment ID:
P.O. Number
Number of Samples: 5

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Taku Gold Corp.
Suite 608 - 409 Granville St.
Vancouver British Columbia V6C 1T2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	5	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	5	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	5	Environmental disposal charge-Fire assay lead waste			VAN
AQ201	5	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	5	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or Québec J9P 1S5 Canada

Project: Rosebute
Report Date: September 12, 2017

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CERTIFICATE OF ANALYSIS

WHI17000427.1

	Method	WGHT	FA430	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
200804	Rock	0.87	0.033	9.4	12.0	2.9	10	<0.1	1.2	1.1	114	0.39	2.4	34.5	0.9	14	<0.1	<0.1	<0.1	<2
200805	Rock	1.27	<0.005	1.5	2.5	22.1	20	<0.1	10.9	0.7	479	0.29	3.4	2.8	0.8	291	0.3	0.4	0.1	2
200806	Rock	0.86	<0.005	1.0	5.0	6.3	32	<0.1	2.0	2.8	461	1.02	1.8	3.3	0.6	25	0.2	0.2	<0.1	15
203929	Rock	1.30	<0.005	0.1	0.8	1.2	12	<0.1	2.4	0.4	86	0.12	1.5	<0.5	<0.1	266	1.2	<0.1	<0.1	<2
203968	Rock	1.56	<0.005	<0.1	0.9	2.6	3	<0.1	0.5	0.3	48	0.10	0.6	2.2	<0.1	497	0.4	0.1	<0.1	3



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CERTIFICATE OF ANALYSIS

WHI17000427.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
200804	Rock	0.008	2	2	0.05	48	<0.001	<1	0.22	0.034	0.10	78.5	0.03	0.3	<0.1	<0.05	<1	<0.5	<0.2
200805	Rock	0.018	7	2	0.18	367	0.002	<1	0.10	0.001	0.04	4.5	0.02	0.8	<0.1	<0.05	<1	<0.5	<0.2
200806	Rock	0.010	7	2	0.05	91	<0.001	<1	0.14	0.032	0.04	11.6	0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
203929	Rock	0.010	4	2	0.27	5	<0.001	<1	0.01	<0.001	<0.01	0.3	0.03	0.4	<0.1	<0.05	<1	<0.5	<0.2
203968	Rock	0.001	4	10	0.30	137	<0.001	<1	0.02	0.002	<0.01	0.5	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI17000427.1

	Method Analyte Unit MDL	WGHT	FA430	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Reference Materials																					
STD DS11	Standard			14.2	151.6	131.1	329	1.7	79.6	14.3	998	3.09	43.5	67.2	7.7	68	2.5	9.1	11.9	49	1.04
STD OXC129	Standard			1.2	28.3	6.3	39	<0.1	75.7	20.4	416	2.95	<0.5	187.7	2.0	185	<0.1	<0.1	<0.1	51	0.71
STD OXC145	Standard		0.210																		
STD OXH122	Standard		1.231																		
STD OXN117	Standard		7.528																		
STD OXN117 Expected			7.679																		
STD OXC145 Expected			0.212																		
STD OXH122 Expected			1.247																		
STD OXC129 Expected				1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665
STD DS11 Expected				14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	0.8	3.7	1.2	34	<0.1	1.1	3.5	540	1.70	2.6	1.8	2.2	21	<0.1	<0.1	<0.1	22	0.57



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																			
STD DS11	Standard	0.066	19	59	0.84	364	0.095	6	1.16	0.071	0.40	2.9	0.24	3.1	4.6	0.27	5	2.1	4.3
STD OXC129	Standard	0.094	12	52	1.53	46	0.403	<1	1.58	0.597	0.36	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC145	Standard																		
STD OXH122	Standard																		
STD OXN117	Standard																		
STD OXN117 Expected																			
STD OXC145 Expected																			
STD OXH122 Expected																			
STD OXC129 Expected		0.102	13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		0.0701	18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
ROCK-WHI	Prep Blank	0.039	7	3	0.45	53	0.079	2	0.85	0.070	0.08	0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2