2017 Surface Work

on the

Lucky Joe Property

Grant Number	Claim Name	Claim Number
Y 56956	B No.	1
Y 56957	B No.	2
Y 56960	B No.	5
Y 56961	B No.	6
Y 99884	Ash	2
Y 99886	Ash	4
YA29800	Tar	1
YC20828-YC20875	Lucky Joe	1-48
YC21084- YC2109	Lucky	1-12
YC21232-YC21399	LJ	1-168
YC21400-YC21441	LJ	229-270
YC21472-YC21531	LJ	169-228
YC21906-YC21919	LJ	271-284
YC21920-YC21927	LJ	333-340
YC21928-YC21931	LJ	381-384
YC22074-YC22121	LJ	285-332
YC22122-YC22161	LJ	341-380
YC22162-YC22218	LJ	385-441
YC28403-YC28407	LJ	442-446
YC28408	LJ	448
YC28409-YC28442	LJ	450-483

Dawson Mining District, Yukon

NTS Sheet 115O11 and O12
UTM WGS84 - ZONE 7N
Property Centre - 571800mE 7051100mN

Operated by:

TAKU GOLD CORP.

By

Mark Fekete, P.Geo. and Marty Huber, P.Geo

December 6, 2017

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 not visited the Lucky Joe property;

3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "2017 Surface Work **o**n the Lucky Joe Property Dawson Mining District, Yukon**,** NTS Sheet 115O11 and O12" 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 Lucky Joe property as a result of my prior involvement with the property; and

7. I have read, and this report has <u>not</u> been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 6th 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. 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 Lucky Joe property most recently in August, 2017;

3. I co-wrote this technical report entitled "2017 Surface Work **o**n the Lucky Joe Property Dawson Mining District, Yukon**,** NTS Sheet 115O11 and O12" 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 beneficially hold a number of shares in Taku Gold Corp

6. I hold no direct interest in the Lucky Joe property as a result of my prior involvement with the property; and

7. I have read, and this report has <u>not</u> been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 6th day of December 2017,

(s) "Marty Huber"

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Marty Huber, P. Geo.

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Introduction and Terms of Reference

Breakaway Exploration Management Inc. ("Breakaway") was engaged to carry out surface exploration on the Lucky Joe property ("Lucky Joe" or the "Property") in Yukon in 2017. This technical report (the "Report") describes the 2017 work which consisted of soil geochemical sampling and prospecting surveys. The goal of the surveys was to determine if the Lyra gold-in-soil trend exposed on White Gold Corp's adjacent Money property continues onto the Lucky Joe property. The main purpose of the Report is 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.

The Authors may have relied on technical data and interpretations found in various sources cited throughout the Report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards of historical information and data referred to in this Report are made where appropriate. The Authors do not offer any opinion concerning legal, title, environmental, political or other non-technical issues that may be relevant to the Report. The Report may contain links to several web-sites. The Authors take no responsibility for the functionality or content of these websites.

Location and Property Description

The Property covers an approximate area of 11,453 hectares within the Dawson Mining Division of Yukon. It is located east of the Yukon River, some 55 kilometres south of Dawson City (Figure 1). The approximate centre of the Property is described by 571800mE 7051100mN in WGS84 zone 7N on N.T.S. Sheet 115O11 and O12. The Property includes 548 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

Table 1 - List of Claims

Grant Number	Claim Name	Claim Number
Y 56956	B No.	1
Y 56957	B No.	2
Y 56960	B No.	5
Y 56961	B No.	6
Y 99884	Ash	2
Y 99886	Ash	4
YA29800	Tar	1
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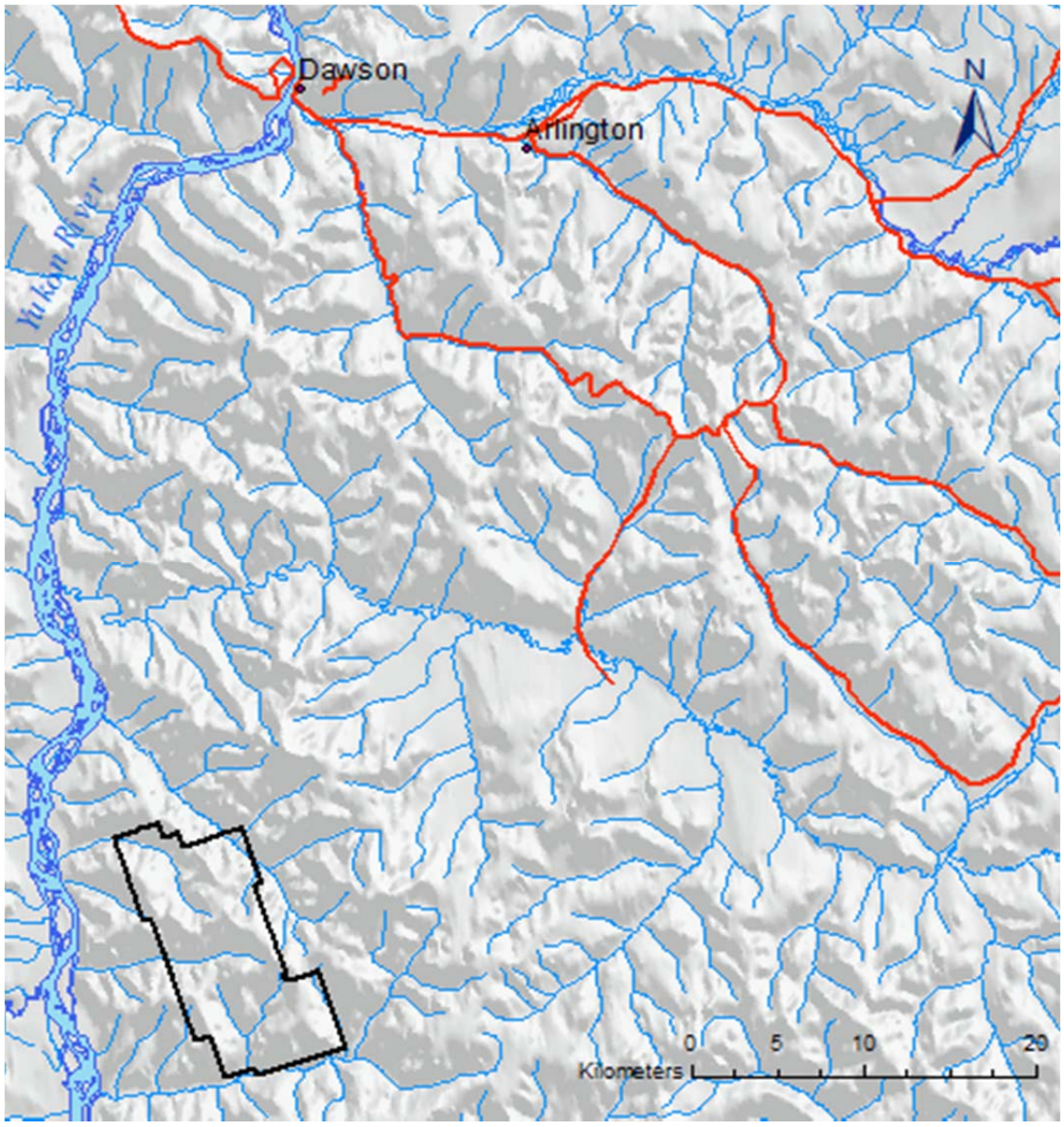
YC22162-YC22218	LJ	385-441
YC28403-YC28407	LJ	442-446
YC28408	LJ	448
YC28409-YC28442	LJ	450-483

Taku Gold Corp. holds a 100% interest in the claims pursuant to a purchase and assignment agreement executed July 17, 2017 between Taku and Golden Predator Mining Corp
Lucky Joe is located in an isolated part of Yukon with relatively few local resources or infrastructure. Access is restricted due to a lack of usable roads on or adjacent to the Property. The primary means of access is by helicopter from Dawson. The best season for exploration is during the summer months from mid-May to mid-October.

Dawson City is the closest town to the property although most equipment is sourced out of either Whitehorse or Vancouver. There are no services or permanent infrastructure on or near the property.
The Yukon has a good source of skilled labour for mining and construction, although specialized skills may have to be sourced in southern Canada.

Figure 1 - Location



570000

575000

7060000

7055000

7050000

7045000

N

YC21399 YC21398 YC21531 YC21530 YC21397 YC21339 YC21396 YC21507 YC21338 YC21529 YC21506 YC21528 YC21395 YC21337 YC21394 YC21505 YC21336 YC21527 YC21504 YC21526 YC21393 YC21335 YC21392 YC21503 YC21334 YC21525 YC21502 YC21524 YC21391 YC21333 YC21390 YC21501 YC21332 YC21523 YC21500 YC21522 YC21389 YC21331 YC21388 YC21499 YC21330 YC21521 YC21498 YC21520 YC21251 YC21329 YC21250 YC21328 YC21519 YC21496 YC21518 YC21249 YC21327 YC21248 YC21326 YC21517 YC21494 YC21516 YC21247 YC21325 YC21246 YC21324 YC21515 YC21492 YC21514 YC21245 YC21323 YC21244 YC21322 YC21513 YC21490 YC21512 YC21243 YC21321 YC21242 YC21320 YC21511 YC21488 YC21510 YC21241 YC21319 YC21240 YC21318 YC21509 YC21239 YC21508 YC21238 YC21317 YC21387 YC21316 YC21386 YC21237 YC21315 YC21236 YC21314 YC21385 YC21384 YC21235 YC21313 YC21234 YC21312 YC21383 YC21382 YC21233 YC21311 YC21232 YC21310 YC21381 YC21380 YC21252 YC21309 YC21253 YC21308 YC21379 YC21378 YC21254 YC21307 YC21255 YC21306 YC21377 YC21376 YC21256 YC21305 YC21257 YC21304 YC21375 YC21374 YC21258 YC21303 YC21259 YC21302 YC21373 YC21372 YC21260 YC21301 YC21261 YC21300 YC21340 YC21341 YC21262 YC21299 YC21263 YC21298 YC21342 YC21343 YC21264 YC21297 YC21265 YC21296 YC21344 YC21345 YC21266 YC21295 YC21267 YC21294 YC21346 YC21347 YC21095 YC21293 YC21094 YC21292 YC21348 YC21349 YC21093 YC21291 YC21092 YC21290 YC21350 YC21351 YC21091 YC21289 YC21090 YC21288 YC21352 YC21353 YC21085 YC21287 YC21084 YC21286 YC21354 YC21355 YC21087 YC21285 YC21086 YC21284 YC21356 YC21357 YC21089 YC21283 YC21088 YC21282 YC21358 YC21359 YC21281 YC21269 YC21280 YC21360 YC21361 YC21270 YC21271 YC21362 YC21363 YC21272 YC21273 YC21364 YC21365 YC21274 YC21275 YC21366 YC21367 YC21276 YC21277 YC21368 YC21369 YC21278 YC21279 YC21370 YC21371

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YC22199 YC22198 YC22161 YC22160 YC22197 YC22121 YC22196 YC22120 YC22159 YC22158 YC22195 YC22119 YC22194 YC22118 YC22157 YC22156 YC22193 YC22117 YC22192 YC22116 YC22155 YC22154 YC22191 YC22115 YC22190 YC22114 YC22153 YC22152 YC22189 YC22113 YC22188 YC22112 YC22151 YC22150 YC22187 YC22111 YC22186 YC22110 YC22149 YC22148 YC22185 YC22109 YC22184 YC22108 YC22147 YC22146 YC22107 YC22183 YC22106 YC22145 YC22182 YC22144 YC22181 YC22105 YC22143 YC22180 YC22200 YC22142 YC22103 YC22140 YC22141 YC22179 YC22139 YC22178 YC22100 YC22138 YC22177 YC22099 YC22176 YC22098 YC22137 YC22136 YC22175 YC22097 YC22174 YC22096 YC22135 YC22134 YC22173 YC22095 YC22172 YC22094 YC22133 YC22132 YC22171 YC22093 YC22170 YC22092 YC22131 YC22201 YC22130 YC22169 YC22202 YC22168 YC22129 YC22128 YC22167 YC22203 YC22166 YC22127 YC22126 YC22165 YC22205 YC22125 YC22204 YC22124 YC22162 YC22163 YC22091 YC22123 YC22090 YC22122 YC22089 YC22215 YC22088 YC22087 YC22214 YC22086 YC22085 YC22213 YC22212 YC22084 YC22083 YC22216 YC22082 YC22207 YC22206 YC22081 YC22080 YC22218 YC22079 YC22217 YC22077 YC22076 YC22075 YC22074 YC22073 YC22072 YC22071 YC22070 YC22069 YC22068 YC22067 YC22066 YC22065 YC22064 YC22063 YC22062 YC22061 YC22060 YC22059 YC22058 YC22057 YC22056 YC22055 YC22054 YC22053 YC22052 YC22051 YC22050 YC22049 YC22048 YC22047 YC22046 YC22045 YC22044 YC22043 YC22042 YC22041

99886 99884 YA29800 56957 56956 56960 56961

YC20841 YC22211 YC20840 YC28421 YC28422 YC20829 YC28404 YC28403 YC28423 YC20842 YC20845 YC20828 YC28405 YC20831 YC28406 YC28424 YC20844 YC20847 YC28425 YC20830 YC20846 YC28426 YC20835 YC28407 YC28427 YC20832 YC20849 YC20859 YC28428 YC20848 YC20834 YC20851 YC20858 YC28429 YC20837 YC20850 YC20861 YC20860 YC28430 YC20853 YC20836 YC20839 YC20863 YC28408 YC28431 YC20852 YC20855 YC28432 YC20862 YC28409 YC20838 YC20865 YC20857 YC20854 YC28433 YC20864 YC28410 YC28434 YC20867 YC28412 YC28411 YC28435 YC20856 YC20869 YC20866 YC20875 YC28436 YC20874 YC20871 YC28413 YC28437 YC20868 YC28414 YC28438 YC20870 YC28415 YC20873 YC28439 YC28416 YC20872 YC28440 YC28417 YC28418 YC28441 YC21925 YC21924 YC21931 YC28442 YC21930 YC28419 YC21923 YC28420 YC21929 YC21922 YC21928 YC21917 YC21921 YC21916 YC21920 YC21915 YC21914 YC21907 YC21906

TAKU GOLD CORP.

Lucky Joe Property
Figure 2
Claims

0 0.5 1 2
Kilometers

Coordinate System: NAD 1983 UTM Zone 7N
Projection: Transverse Mercator
Datum: North American 1983

Previous Work

The following exploration history of the Property (Table 2) has been compiled from the Yukon Geological Survey's Integrated Data Systems ("YGSIDS").

Table 2 - Previous Assessment Work Files

Company	Year	AFR No.	Author	Work
Rio Tinto Exploration Ltd.	1975	061293	H. Beckmann	Geophysics
Rio Tinto Exploration Ltd.	1975	090046	J. McClintock	Geochemistry, Mapping, Geophysics
Rio Tinto Exploration Ltd.	1977	090251	J.A. McCance	Soil geochemistry
Rio Tinto Exploration Ltd.	1978	090406	J. McClintock	Soil geochemistry
Rio Tinto Exploration Ltd.	1978	090407	A.W. Mullan	Geophysicss
Rio Tinto Exploration Ltd.	1976	091355	J. McClintock	Diamond drilling
Silver Standard Mines Ltd.	1972	091356	Silver Standard Mines	Diamond drilling
Kennecott Canada Exploration Inc.	2003	094388	R.W. Hulstein	Soil geochemistry, Geological mapping,
Copper Ridge Exploration Inc.	2003	094412	R.A. Doherty	Soil Geochemistry
Copper Ridge Exploration Inc.	2005	094650	G.G. Carlson	Drilling, Geochemistry, Geophysics, Prospecting
Copper Ridge Exploration Inc.	2006	094804	G.G. Carlson	Diamond Drilling
Copper Ridge Exploration Inc.	2007	094918	J.L. Hodge	Drilling, Soil geochemistry
Copper Ridge Exploration Inc.	2008	095111	J.L. Hodge	Soil geochemistry
Taipan Capital Corp.	2010	095576	D. White	Diamond drilling, Soil geochemistry

The following property history was taken from Makepeace (2009) Lucky Joe Property Technical Report for Taipan capital Corp.

The Dawson Syndicate (Silver Standard and Asarco LLC) discovered the Lucky Joe Creek prospect in 1970 as a result of a regional reconnaissance stream sediment geochemical survey. Grid soil sampling and dozer trenching on claims staked in the headwaters of Lucky Joe Creek followed, and the following year Silver Standard drilled three shallow holes in the trenched areas, two of which ended in intersections grading 0.37 % Cu (Au was not analyzed).

Rio Tinto Canada Exploration Ltd. ("Riocanex") acquired the property in 1975 under an option agreement with Silver Standard and commenced a 3-year exploration program that included geological mapping, soil geochemical grid sampling, ground magnetic surveying, Max-Min electromagnetic surveying, Induced Polarization (IP) surveying and diamond drilling" Diamond drilling was completed in 1975, 1976, and 1978. Two holes were completed in 1975 totaling 398.1 metres at the Lucky Joe prospect; one hole averaged 0.36% Cu over 30 metres (Makepeace, 2009). A total of 1212 metres in five holes was completed in 1976. Best results from this program included 0.62% Cu over 22.87 metres. An additional 784.5 meters in five holes at the Bear Cub anomaly was drilled in 1978. Two of these holes assayed 0.18% Cu over 26.8 metres and 0.12% Cu over 7.9 metres in hole 78-1 and 0.16% Cu over 12.2 metres in hole 78-3. "During the course of the program the claim group was greatly expanded and two additional targets were identified and tested. Riocanex drilled a total of 12 holes (2,427.1 metres) into 3 target areas. More than half of these holes were concentrated on the Lucky Joe Creek prospect where low-grade Cu mineralization was intersected. The mineralization appeared to be stratabound in several holes. The remaining holes were drilled on outlying targets in an attempt to find higher-grade mineralization. All of these latter holes returned low copper values and subsequent exploration suggests that the holes may have been improperly targeted.

In 2001 Shawn Ryan, a local prospector, compiled all of the available Riocanex data and reviewed this with respect to the recent release of a low level airborne aeromagnetic survey conducted jointly by the Geological Survey of Canada and the Yukon Geology Survey (Shives, 2001). He noticed a relationship between the copper in soil anomalies with a long, linear trending magnetic high. He tested the relationship

by soil sampling and digging some test pits. Positive results both along strike and within the immediate area resulted in Ryan and his crew staking a small claim group.

In 2002 Copper Ridge optioned the claims staked by Ryan plus the remaining seven of the original claims from Silver Standard. Copper Ridge carried out a geochemical soil survey consisting of 1,430 samples and staked additional claims. Kennecott conducted an evaluation of the property in 2002, which included reanalysis of select pulps from the Copper Ridge soil samples. During October 2002, Kennecott undertook a soil and stream sediment orientation survey at the Lucky Joe Creek and Ryan's Creek prospects and used the results of this survey to set up a geochemical protocol for the 2003 soil sampling program. In January 2003 Kennecott optioned the land package from Copper Ridge.

In 2003, Kennecott completed a helicopter supported geochemical and geological exploration program over the Lucky Joe claim group as well as reconnaissance sampling and mapping over an adjacent area with similar geology and mineral potential. At Lucky Joe, the soil sampling grid extended from the known Lucky Joe Creek prospect, explored by Silver Standard and Riocanex in the 1970"s, as well as the expanded soil surveys completed by Copper Ridge, the previous year.

The area was mapped in 2004 at 1:100,000 scale as part of a Geological Survey of Canada NATMAP project (Ryan and Gordey, 2004).

In 2005, Kennecott completed a 7.4 kilometre IP survey and a five hole, 1,035.1 metre diamond drill program. The IP survey identified two large and strong chargeability anomalies along a baseline oriented in a north westerly direction through the centre of the Bear Cub anomaly. The drill program tested the main Bear Cub copper-gold soil anomaly, which has dimensions of over 11 kilometres long by 2 to 2.5 kilometres in width. The drill program confirmed the presence of low-grade copper and gold porphyrystyle mineralization over a broad area (Carlson, 2006). Chalcopyrite mineralization was intersected in all of the 2005 drill holes with significant mineralization encountered in Hole LJ05-1, -2 and -5. Hole LJ05-3 intersected a major brittle fault zone throughout its length, disrupting mineralization. Chalcopyrite mineralization appeared to be correlated with potassic alteration, primarily occurring as secondary biotite, and magnetite-silica alteration. Mineralization and alteration were consistent with the classic copper-gold porphyry style model, which has been subjected to later metamorphism and deformation. Alteration included phyllic (quartz-sericite-pyrite-gypsum), potassic (biotite, minor potassium feldspar), quartz, quartz-pyrite and quartz-sulphide stockwork mineralization where the sulphide mineralogy includes minor pyrite, chalcopyrite and/or magnetite. The best results from the drill program included the following intersections: Hole LJ05-01 intersected 24.1 metres (from 18.6 to 33.5 metres) grading 0.06 % copper and 33.5 metres (from 77.9 to 111.4 metres) grading 0.071 % copper. Hole LJ05-02 had 96.7 metres (from 255.5 to 352.1 metres) grading 0.13 % copper and 52.4 ppb gold. Within this unit there was 22.7 metres (from 255.4 to 278.1 metres) grading 0.22 % copper and 88.5 ppb gold. Hole LJ05-03 intersected 127.7 metres (from 18.3 to 146.0 metres) grading 0.099 % copper. Within this section there was 74.1 metres (from 60.1 to 134.2 metres) grading 0.135 % copper and 0.032 g/t gold. Since the Bear Cub is believed to be a more equidimensional or porphyry style of mineralization, the vertical drill holes are expected to represent more or less true thickness through the zone. On October 17, 2005, Kennecott notified Copper Ridge that it was terminating its option to earn an interest in the property. On December15, 2005, Copper Ridge notified Ryan that it had satisfied all the terms and conditions of its option agreement and had therefore earned a 100% interest in the property.

In 2006, Copper Ridge undertook a geochemical and geophysical program to gain a more detailed understanding of the Bear Cub and Ryan's Creek anomalies. A total of 23.4 kilometres of line grid was cut over both grids. The Bear Cub Zone had seven lines of approximately 1.8 kilometres each, totaling 12.3 kilometres. Ryan's Creek had seven lines of approximately 1.4 kilometres each, totaling 11.1 kilometres. Soil samples were collected at 50 metre intervals along the new grid lines, and a dipole-dipole IP survey was conducted along the same grid. Results of these programs confirmed and further defined chargeability anomalies along the Bear Cub trend. At Ryan's Creek, a strong linear association of high copper and gold in soils and high chargeability coincided with the eastern edge of a linear magnetic high along a greater than 7 kilometre trend.

Between September 7 and October 14, 2006, a seven hole drill program totaling 841.2 metres was completed, with two holes targeting the northern part of the Bear Cub Zone and three targeting the southern extension of the Ryan's Creek trend. Only one hole on the Ryan's Creek Zone, Hole LJ06-09, was successfully completed into bedrock. This hole returned a mineralized intersection of 12.05 metres, assaying 0.37 % Cu and 0.8 g/t Au, including 2.4 metres assaying 0.17 % Cu and 3.24 g/t Au.

In 2007, Copper Ridge completed an additional 2,400 metres of drilling in 13 holes testing the northern extension of the Ryan's Creek Zone. Most of the holes encountered sub-economic grades of copper-gold mineralization; however, the southernmost hole encountered a mineralized intersection of 7.3 metres assaying 0.905 % Cu and 0.5 g/t Au (LJ07-19), approximately 1,700 metres north and along strike from Hole LJ06-09.

A small 2008 exploration program was designed to complete soil sampling and geological mapping in the gap between Holes LJ06-09 and LJ07-19 to assist in defining drill targets."

In 2010 Taipan Capital Corp. completed 387.4 metres of drilling on the Ryan's Creek Trend. These holes were completed to a coincident IP chargeability anomalies and soil geochemistry. Intersections from the drilling included 204 ppm Cu over 3.1 meters and 0.106 g/t Au over 1.17 metres (White, 2010).

There are a number of significant mineral showings documented adjacent to the area of the Property listed in Table 3 below:

Table 3 - MINFILE Showings

MINFILE No.	MINEFILE Name
115O051	Lucky Joe
115O167	Bute
115O084	Cruikshank
115O052	Bismark

Regional Geology

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.

Property Geology

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). 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 (Figure 4).

Abundant orthogneiss bodies of Devonian to Mississippian (DMog - undivided, DMogg, DMoga, DMogt, DMogta) and Permain 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 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 unconformable overlain by massive andesite flows and breccia's of the Late Cretaceous Carmacks Group (uKv), locally with Early Cretaceous coarse clastic sedimentary rocks at the base of the sequence (IKs). Eocene feldspar ±quartz porphyry dykes intrude the above (Er).

Mineralization

The three defined zones of mineralization on the Lucky Joe property are summarized by Makepeace (2009) below.

Sulfide mineralization at Lucky Joe Creek prospect consists of chalcopyrite-pyrite with minor pyrrhotite and trace molybdenite. Gold and silver are associated with chalcopyrite occurring as inclusions of electrum (Franklin et al., 2003). Surface exposures of sulfide are invariably oxidized and information concerning economic mineralogy is determined from core drilling and to a lesser extent from trenches. Copper mineralization occurs in rock that contains at least some biotite, commonly near to or just within the muscovite-quartz alteration assemblage. Magnetite forms a halo above and/or laterally to sulfide mineralization. Sulfides commonly follow foliation, but post-fabric quartz-sulfide veinlets with sharp boundaries are at least locally observed. The Mineralized trend, as defined by 10 holes drilled by Silver Standard and Riocanex, strikes northwesterly with a length of 800 metres, a thickness averaging 30 metres and a down-dip extension of 200 metres at -45° to the southwest.

The Bear Cub zone, as defined by multi-element soil geochemistry, is approximately 11 kilometres long, and ranges from 500 to 2,000 metres wide. The core of this zone, as defined by the highest copper soil anomalies and coincident IP chargeability anomalies, consists of two adjacent zones, about 1,500 metres apart, and approximately 1,000 metres in diameter. Drilling in 2005, in both of these core zones, encountered stockwork and disseminated pyrite-chalcopyrite mineralization occurring in meta-igneous and meta-clastic rocks. The copper mineralization in this zone correlates with potassic alteration, primarily occurring as secondary biotite, and magnetite-silica alteration. Mineralization and alteration are consistent with the classic copper-gold porphyry style model, of alkaline or calc-alkaline affinity, which has been subjected to later metamorphism and deformation. Alteration includes phyllic (quartz-sericite-pyrite-gypsum), potassic (biotite, minor potassium feldspar), quartz, quartz-pyrite and quartz-sulphide stockwork mineralization where the sulphide mineralogy includes minor pyrite, chalcopyrite and/or magnetite.

The Ryan's Creek zone is a linear, north-northwest trending zone, is approximately 7 kilometres in length and is defined by strongly correlated copper and gold in soils and IP chargeability, along the eastern edge of a linear magnetic anomaly. The pyrite- chalcopyrite mineralization is similar to that encountered in the Riocanex drilling on the original Lucky Joe Creek prospect. Disseminated mineralization occurs predominantly in sericite-biotite schist, with sulphide minerals occurring within the foliation of the rock. Copper-gold mineralization (in the Ryan's Creek zone) consists of foliaform chalcopyrite with pyrite, oxidized in the near surface environment to malachite, azurite and iron oxides, in sericite schist. The hanging wall is un-mineralized schist, while the footwall is schist, minor basalt and porphyry, with weak to moderate concentrations of disseminated pyrite. The modeled chargeability profiles demonstrate this relationship, with the copper-gold mineralized zones occurring on the upper or eastern sides of the chargeability anomalies. The magnetic high occurs to the west and the sharp, linear drop from high to low magnetics occurs just to the west of the mineralized trend.

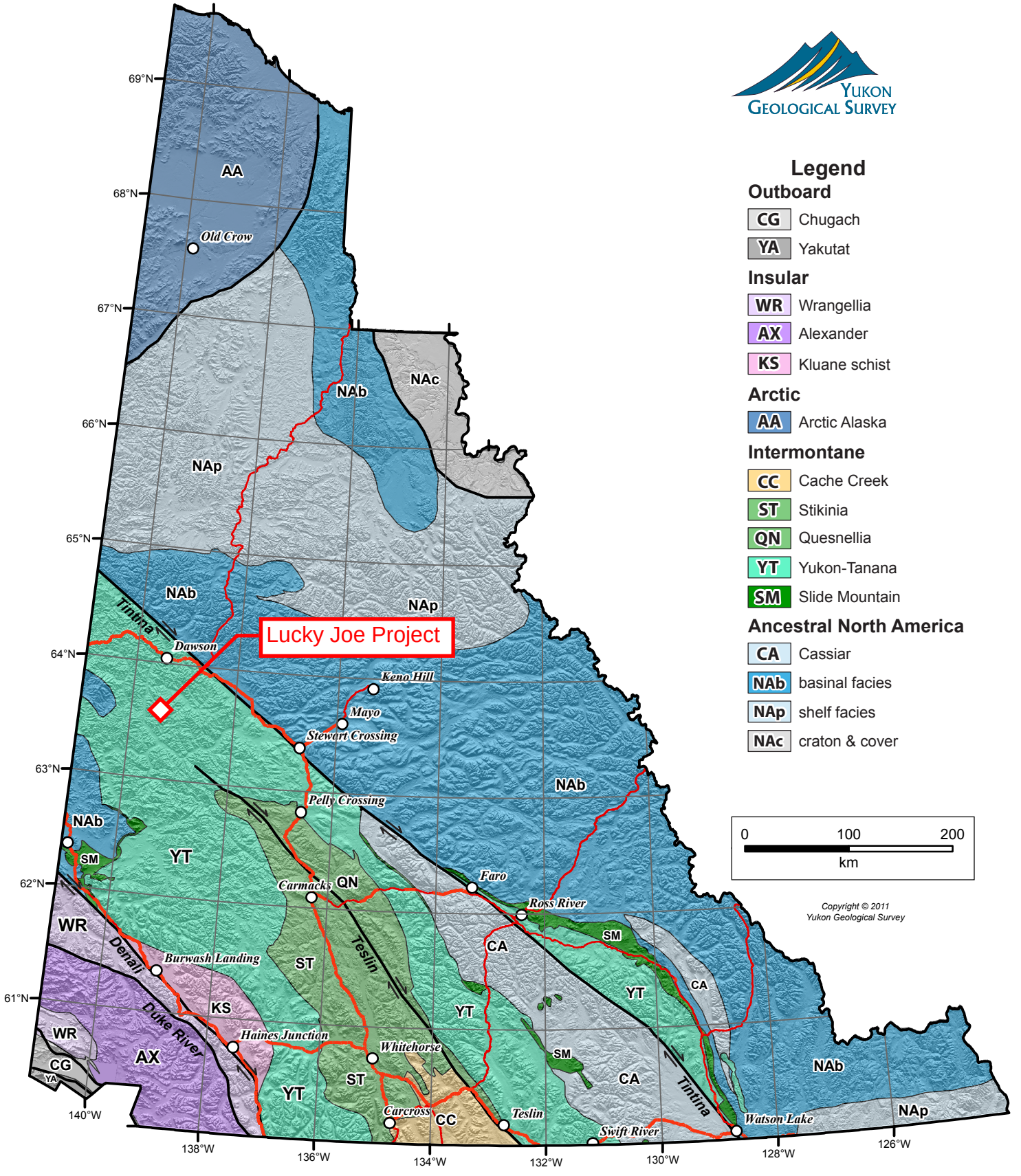
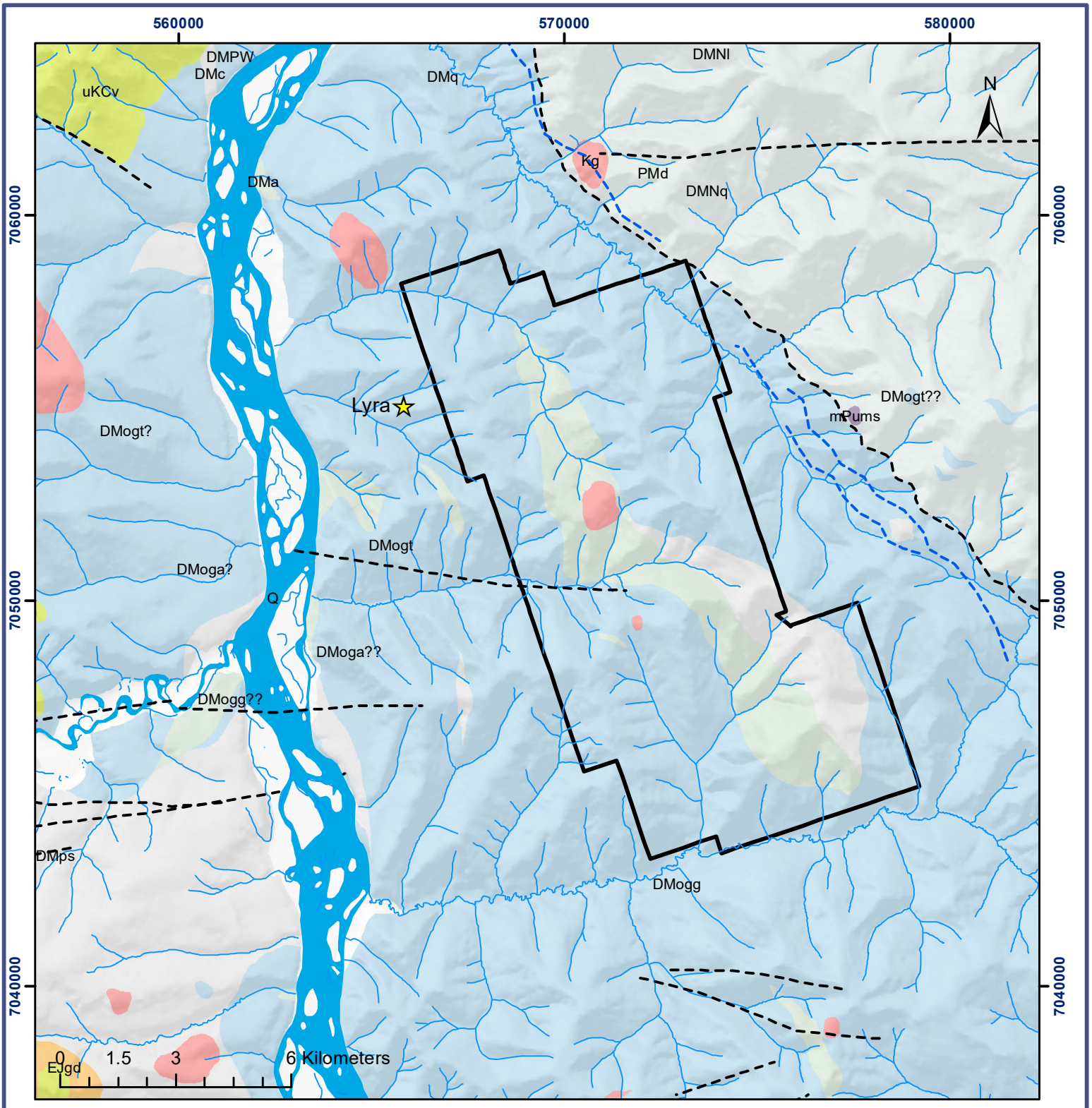


Figure 3 - Yukon Tectonic Map



Geology

- Uncosolidated Neogene Sediments
- Whitehorse Plutonic Suite
- Aishihik Plutonic Suite
- Carmacks Group
- Devonian to Mississippian amphibolite schist and gneiss
- Paleozoic Ultramafics
- Simpson Range Plutonic Suite
- Nasina Assemblage
- Nisling-Snowcap Assemblage
- Indian River Formation
- Fault, inferred
- Thrust Fault, inferred

TAKU GOLD CORP.

Lucky Joe Property
Figure 4 - Geology

Coordinate System: NAD 1983 UTM Zone 7N
Projection: Transverse Mercator
Datum: North American 1983

Deposit Model

The following deposit model was taken from Makepeace (2009). The deposit model for the property is not clear. The original Lucky Joe Creek mineralization drilled by Riocanex was interpreted to be a metamorphosed, sediment hosted copper deposit (McClintock, 1982). Subsequent work by Kennecott demonstrated, through the interpretation of metal zoning and alteration patterns and age determinations from the granitic rocks and molybdenum mineralization, that the mineralization was more likely related to a magmatic hydrothermal event (Franklin et al., 2003). This interpretation was reinforced by a Copper Ridge drill program at the Bear Cub zone, where mineralization is intrusive hosted, with typical porphyry features such as disseminated sulphide mineralization and stockwork veining (Carlson, 2006). Nonetheless, the exact deposit type for the property remains elusive. The type of system sought by previous workers was is a bulk tonnage Cu-Au deposit similar geologically to the Iron-Oxide-Copper-Gold (IOCG) class of deposits or a metamorphosed porphyry Cu-Au system similar to the alkalic class deposits.

Notwithstanding the foregoing, Taku's intended focus on Lucky Joe is to explore for orogenic-type gold deposits.

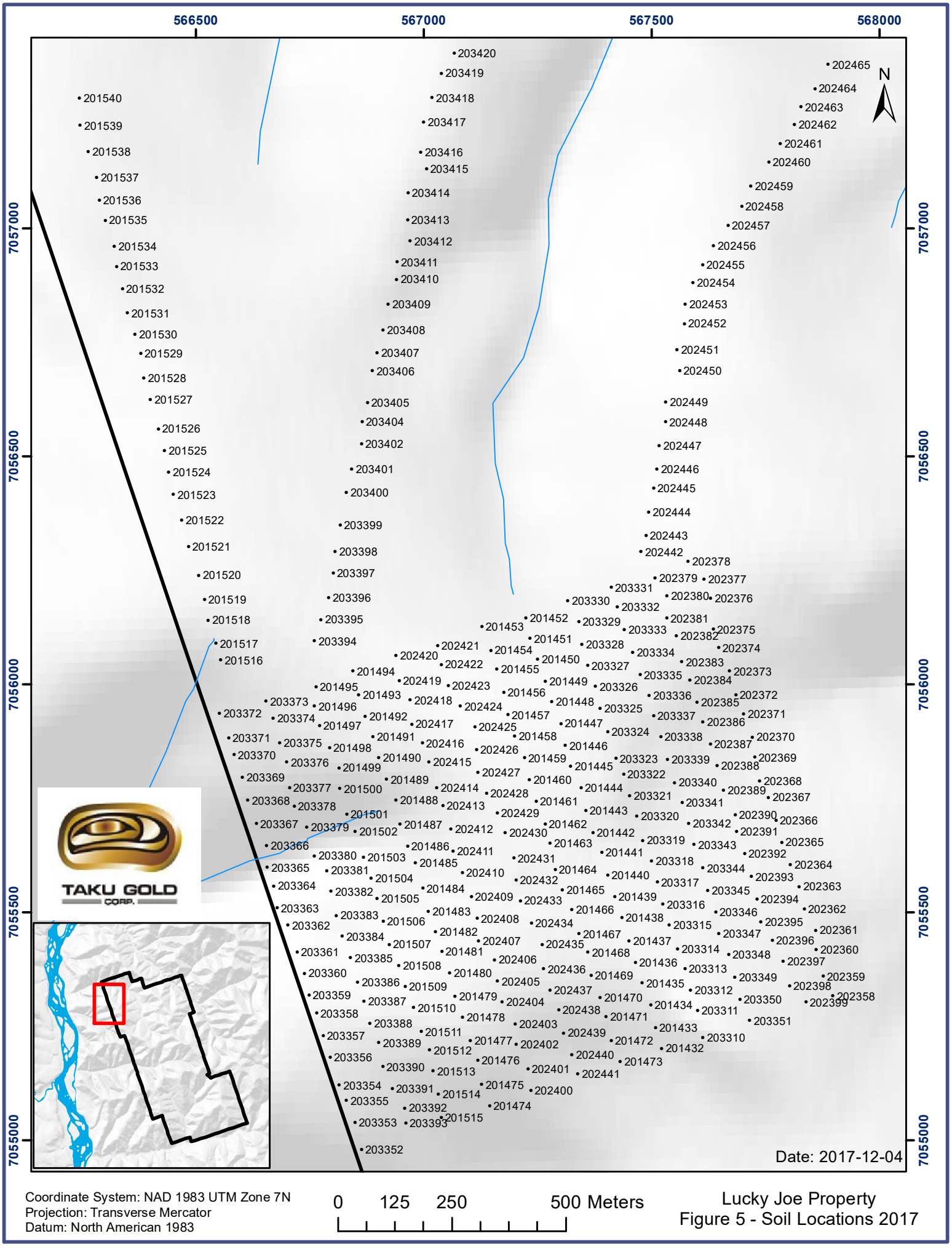
2017 Exploration

Soil geochemical and prospecting surveys were completed on Lucky Joe from July 24 to August 10, 2017 by a six-man crew on foot with daily helicopter set-outs from Dawson City. 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 6, 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.

A total of 327 deep-auger-type soil samples were collected with hand augers at 50 metre sample intervals on pre-determined grid lines spaced 100 metres apart, as well as reconnaissance ridge and spur lines. The grid was setup to test if the Lyra gold trend on the adjacent Money property continues onto the Lucky Joe property (Figure 4). 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. 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 Ltd. ("BV") in Vancouver, B.C. for analysis. Samples were dried and sieved to -80 mesh size and analyzed for 36 elements (including gold) by 15 gram (g) Aqua Regia digestion, ICP-MS finish (Appendix C). BV is accredited under ISO 9001.

A total of 13 rock samples were collected from hand dug pits over Ryan's Creek Trend. 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 6) and descriptions are included as Appendix B. Rock samples consisted of quartzite, gneiss and vein quartz. 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 250 g split and pulverized to -200 mesh, and analyzed for 36 elements (including gold) by 15 gram (g) Aqua Regia digestion, ICP-MS finish. Samples were also analyzed for gold by 30 g Fire Assay AAS (Appendix C).

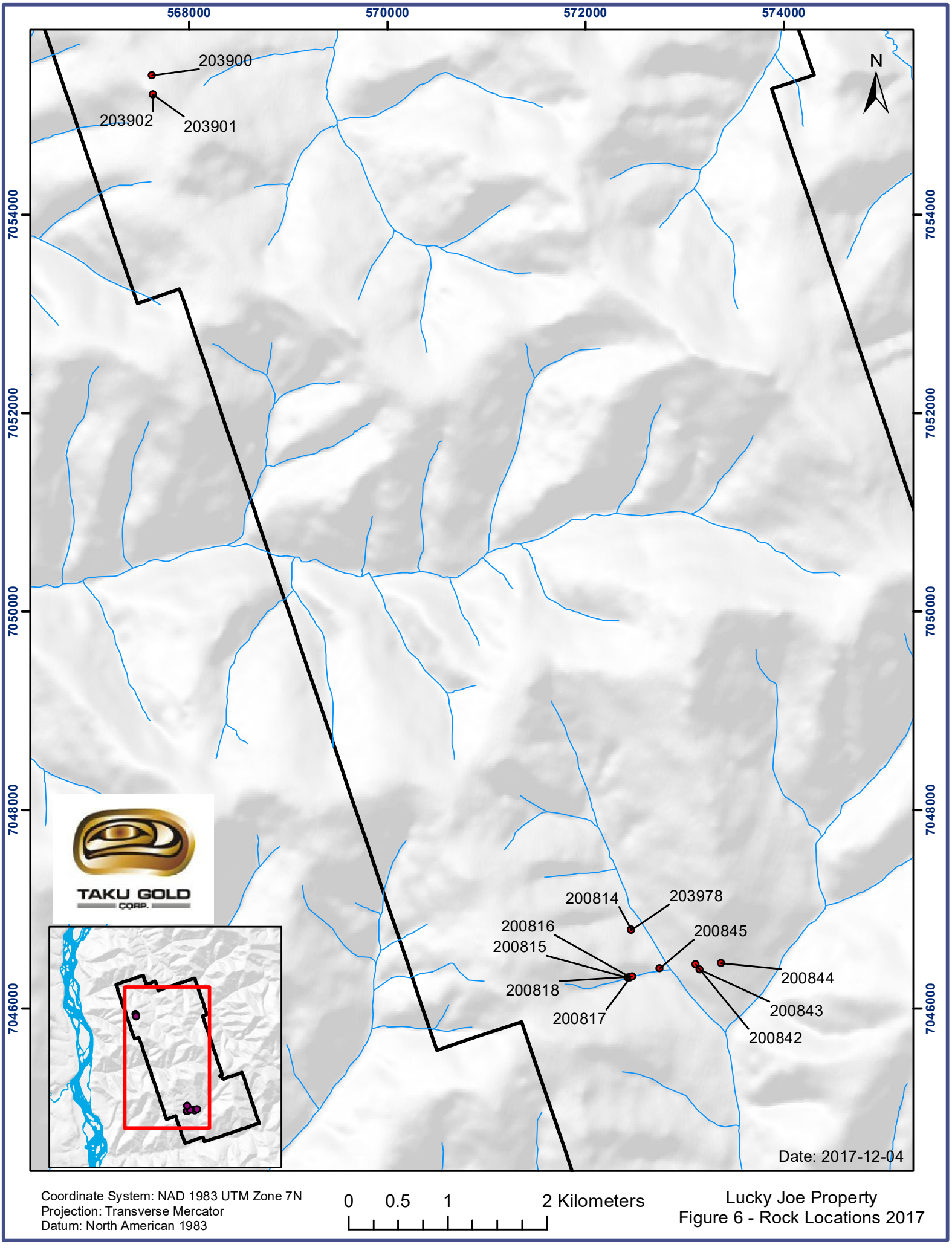
It is the Authors' opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil, rock and core samples were diligently followed and are adequate to meet industry standards commonly accepted or this level of exploration. The authors have relied 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.

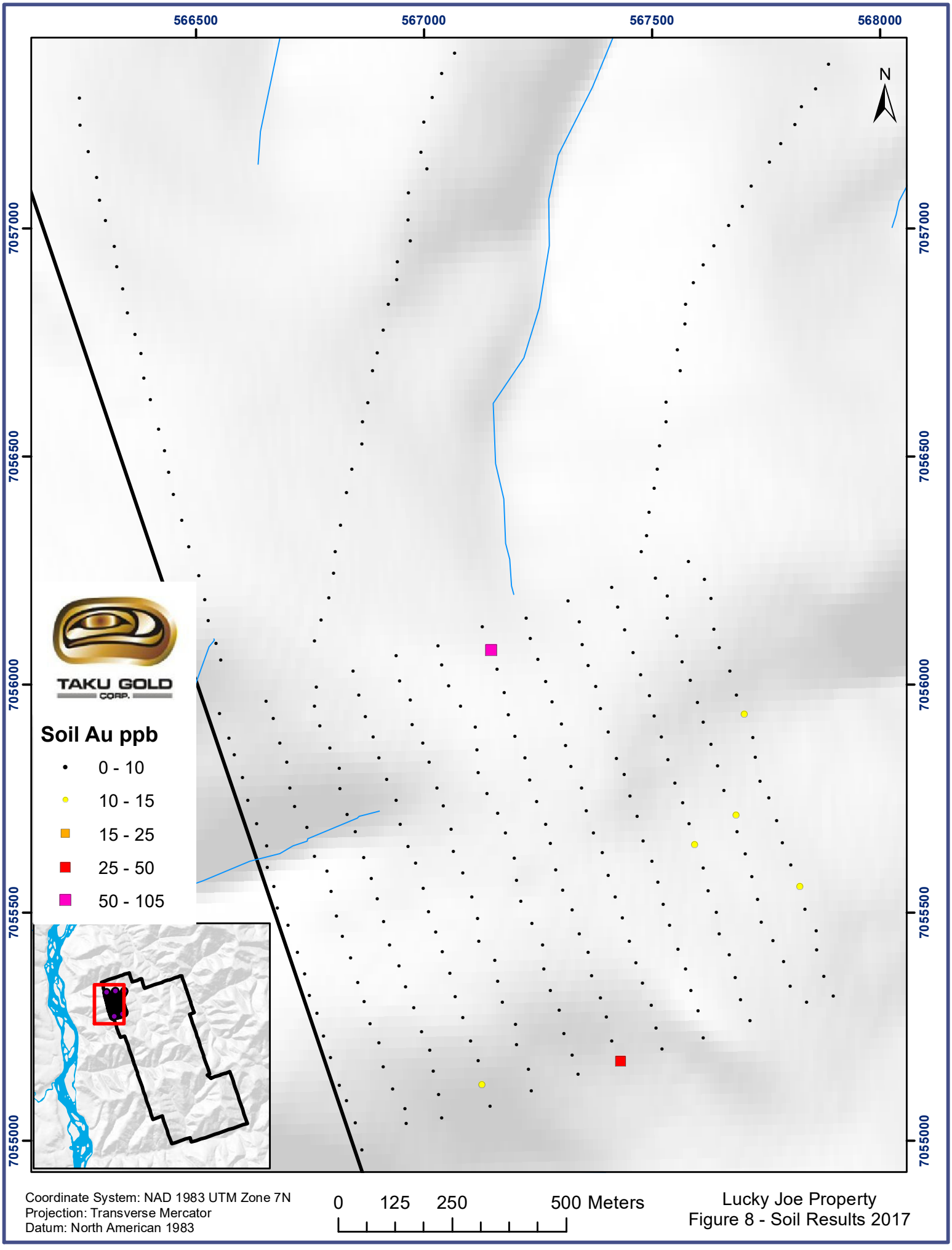


Coordinate System: NAD 1983 UTM Zone 7N
Projection: Transverse Mercator
Datum: North American 1983

0 125 250 500 Meters

Lucky Joe Property
Figure 5 - Soil Locations 2017


568000
570000
572000
574000
7054000
7052000
7050000
7048000
7046000
N
203900
203902
203901
200814
203978
200816
200815
200845
200818
200844
200817
200843
200842
TAKU GOLD
CORP.
Date: 2017-12-04
Coordinate System: NAD 1983 UTM Zone 7N
Projection: Transverse Mercator
Datum: North American 1983
0
0.5
1
2 Kilometers
Lucky Joe Property
Figure 6 - Rock Locations 2017


566500
567000
567500
568000
7057000
7056500
7056000
7055500
7055000
N
TAKU GOLD CORP.
Soil Au ppb
0 - 10
10 - 15
15 - 25
25 - 50
50 - 105
Coordinate System: NAD 1983 UTM Zone 7N
Projection: Transverse Mercator
Datum: North American 1983
0
125
250
500 Meters
Lucky Joe Property
Figure 8 - Soil Results 2017

Results

The soil samples returned gold values ranging from below detection limit (i.e. <0.5 ppb Au) to a maximum of 86.2 ppb Au. Of the 327 samples taken only two returned significant results (i.e. > 15 ppb Au) which did not delineate any meaningful trends (Figure 8).

No significant values were returned from the rock samples.

Interpretation of Results and Conclusion

The purpose of the 2017 surface work was to determine if the Lyra gold zone, located on the adjacent Money property held by White Gold Corp, continued onto the Lucky Joe property. The soil sample results indicate that this is not the case. Previous work on the Property has defined limits for future exploration.

Recommendations

No further recommendations are made by this report except that further work should focus on locating orogenic-type gold mineralization within the known Lucky Joe Creek, Bear Cub and Ryan's Creek zones.

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Gordey, S.P. and Ryan, J.J. 2005. Geology, Stewart River Area (115 N, 115-O and part of 115 J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250 000.

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Appendix A - Statement of Work Expenditures

Yukon
Energy, Mines and Resources

QUARTZ MINING ACT FORM 4 SECTION 56

APPLICATION FOR A CERTIFICATE OF WORK

Office Date Stamp

I, _____ ,

Agent for Taku Gold Corp.

of _____

Phone _____

Client I.D. Number: _____

make oath and say that:

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

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

See attached Claim List

situated at Lucky Joe Creek Claim sheet No. 115O11 and 115O12

in the Dawson Mining District, to the value of at least $31,461.87 dollars,

since the 1st day of July 20 17 ,

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

See attached Claim List

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).

On July 24 & 28, & August 6, 2017, 2 geologists prospected on Lucky Joe property. A total of 13 rock samples were collected. On August 7 a geologist planned out the soil sampling program. On August 8,9 & 10, 3 junior techniciens flew each day from Dawson City to the Lucky Joe property, and over 3 days collected 327 soil samples. The sample results were delivered by BV September 8, 2017. A geologist made maps & wrote report December 4 and 6.

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

_____ Notary Public

_____ Owner or Authorized Agent

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

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YC28433	LJ	474	2018-03-31				2	$ 5.00	$ 10.00
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YC28439	LJ	480	2018-03-31				2	$ 5.00	$ 10.00
YC28440	LJ	481	2018-03-31				2	$ 5.00	$ 10.00
YC28441	LJ	482	2018-03-31				2	$ 5.00	$ 10.00
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YC21392	LJ	161	2019-03-31				1	$ 5.00	$ 5.00
YC21393	LJ	162	2019-03-31				1	$ 5.00	$ 5.00
YC21394	LJ	163	2019-03-31				1	$ 5.00	$ 5.00
YC21395	LJ	164	2019-03-31				1	$ 5.00	$ 5.00
YC21396	LJ	165	2019-03-31				1	$ 5.00	$ 5.00
YC21397	LJ	166	2019-03-31				1	$ 5.00	$ 5.00
YC21398	LJ	167	2019-03-31				1	$ 5.00	$ 5.00
YC21399	LJ	168	2019-03-31				1	$ 5.00	$ 5.00
YC21411	LJ	240	2019-03-31				1	$ 5.00	$ 5.00
YC21413	LJ	242	2019-03-31				1	$ 5.00	$ 5.00
YC21415	LJ	244	2019-03-31				1	$ 5.00	$ 5.00
YC21418	LJ	247	2019-03-31				1	$ 5.00	$ 5.00
YC21419	LJ	248	2019-03-31				1	$ 5.00	$ 5.00
YC21438	LJ	267	2019-03-31				1	$ 5.00	$ 5.00
YC21439	LJ	268	2019-03-31				1	$ 5.00	$ 5.00
YC21440	LJ	269	2019-03-31				1	$ 5.00	$ 5.00
YC21441	LJ	270	2019-03-31				1	$ 5.00	$ 5.00
YC21500	LJ	197	2019-03-31				1	$ 5.00	$ 5.00
YC21501	LJ	198	2019-03-31				1	$ 5.00	$ 5.00
YC21502	LJ	199	2019-03-31				1	$ 5.00	$ 5.00

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YC21503	LJ	200	2019-03-31				1	$ 5.00	$ 5.00
YC21504	LJ	201	2019-03-31				1	$ 5.00	$ 5.00
YC21505	LJ	202	2019-03-31				1	$ 5.00	$ 5.00
YC21506	LJ	203	2019-03-31				1	$ 5.00	$ 5.00
YC21507	LJ	204	2019-03-31				1	$ 5.00	$ 5.00
YC21520	LJ	217	2019-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21521	LJ	218	2019-03-31				1	$ 5.00	$ 5.00
YC21522	LJ	219	2019-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21523	LJ	220	2019-03-31				1	$ 5.00	$ 5.00
YC21524	LJ	221	2019-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21525	LJ	222	2019-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21526	LJ	223	2019-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21527	LJ	224	2019-03-31				1	$ 5.00	$ 5.00
YC21528	LJ	225	2019-03-31				1	$ 5.00	$ 5.00
YC21529	LJ	226	2019-03-31				1	$ 5.00	$ 5.00
YC21530	LJ	227	2019-03-31				1	$ 5.00	$ 5.00
YC21531	LJ	228	2019-03-31				1	$ 5.00	$ 5.00
YC21906	LJ	271	2019-03-31				1	$ 5.00	$ 5.00
YC21907	LJ	272	2019-03-31				1	$ 5.00	$ 5.00
YC21908	LJ	273	2019-03-31				1	$ 5.00	$ 5.00
YC21909	LJ	274	2019-03-31				1	$ 5.00	$ 5.00
YC21910	LJ	275	2019-03-31				1	$ 5.00	$ 5.00
YC21911	LJ	276	2019-03-31				1	$ 5.00	$ 5.00
YC21912	LJ	277	2019-03-31				1	$ 5.00	$ 5.00
YC21913	LJ	278	2019-03-31				1	$ 5.00	$ 5.00
YC21914	LJ	279	2019-03-31				1	$ 5.00	$ 5.00
YC21915	LJ	280	2019-03-31				1	$ 5.00	$ 5.00
YC21916	LJ	281	2019-03-31				1	$ 5.00	$ 5.00
YC21917	LJ	282	2019-03-31				1	$ 5.00	$ 5.00
YC21918	LJ	283	2019-03-31				1	$ 5.00	$ 5.00
YC21919	LJ	284	2019-03-31				1	$ 5.00	$ 5.00
YC21920	LJ	333	2019-03-31				1	$ 5.00	$ 5.00
YC21921	LJ	334	2019-03-31				1	$ 5.00	$ 5.00
YC21922	LJ	335	2019-03-31				1	$ 5.00	$ 5.00
YC21923	LJ	336	2019-03-31				1	$ 5.00	$ 5.00
YC21924	LJ	337	2019-03-31				1	$ 5.00	$ 5.00
YC21925	LJ	338	2019-03-31				1	$ 5.00	$ 5.00
YC21926	LJ	339	2019-03-31				1	$ 5.00	$ 5.00
YC21927	LJ	340	2019-03-31				1	$ 5.00	$ 5.00
YC21928	LJ	381	2019-03-31				1	$ 5.00	$ 5.00
YC21929	LJ	382	2019-03-31				1	$ 5.00	$ 5.00
YC21930	LJ	383	2019-03-31				1	$ 5.00	$ 5.00
YC21931	LJ	384	2019-03-31				1	$ 5.00	$ 5.00
YC22074	LJ	285	2019-03-31				1	$ 5.00	$ 5.00
YC22075	LJ	286	2019-03-31				1	$ 5.00	$ 5.00
YC22076	LJ	287	2019-03-31				1	$ 5.00	$ 5.00
YC22077	LJ	288	2019-03-31				1	$ 5.00	$ 5.00
YC22078	LJ	289	2019-03-31				1	$ 5.00	$ 5.00
YC22079	LJ	290	2019-03-31				1	$ 5.00	$ 5.00
YC22080	LJ	291	2019-03-31				1	$ 5.00	$ 5.00
YC22081	LJ	292	2019-03-31				1	$ 5.00	$ 5.00
YC22082	LJ	293	2019-03-31				1	$ 5.00	$ 5.00
YC22083	LJ	294	2019-03-31				1	$ 5.00	$ 5.00
YC22084	LJ	295	2019-03-31				1	$ 5.00	$ 5.00
YC22085	LJ	296	2019-03-31				1	$ 5.00	$ 5.00
YC22118	LJ	329	2019-03-31				1	$ 5.00	$ 5.00
YC22119	LJ	330	2019-03-31				1	$ 5.00	$ 5.00
YC22120	LJ	331	2019-03-31				1	$ 5.00	$ 5.00
YC22121	LJ	332	2019-03-31				1	$ 5.00	$ 5.00
YC22158	LJ	377	2019-03-31				1	$ 5.00	$ 5.00
YC22159	LJ	378	2019-03-31				1	$ 5.00	$ 5.00
YC22160	LJ	379	2019-03-31				1	$ 5.00	$ 5.00
YC22161	LJ	380	2019-03-31				1	$ 5.00	$ 5.00
YC22196	LJ	419	2019-03-31				1	$ 5.00	$ 5.00
YC22197	LJ	420	2019-03-31				1	$ 5.00	$ 5.00
YC22198	LJ	421	2019-03-31				1	$ 5.00	$ 5.00
YC22199	LJ	422	2019-03-31				1	$ 5.00	$ 5.00
YC22206	LJ	429	2019-03-31				1	$ 5.00	$ 5.00
YC22207	LJ	430	2019-03-31				1	$ 5.00	$ 5.00
YC22208	LJ	431	2019-03-31				1	$ 5.00	$ 5.00
YC22209	LJ	432	2019-03-31				1	$ 5.00	$ 5.00

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YC22210	LJ	433	2019-03-31				1	$ 5.00	$ 5.00
YC22212	LJ	435	2019-03-31				1	$ 5.00	$ 5.00
YC22213	LJ	436	2019-03-31				1	$ 5.00	$ 5.00
YC22215	LJ	438	2019-03-31				1	$ 5.00	$ 5.00
YC22216	LJ	439	2019-03-31				1	$ 5.00	$ 5.00
YC22217	LJ	440	2019-03-31				1	$ 5.00	$ 5.00
YC22218	LJ	441	2019-03-31				1	$ 5.00	$ 5.00
YC28403	LJ	442	2019-03-31				1	$ 5.00	$ 5.00
YC28404	LJ	443	2019-03-31				1	$ 5.00	$ 5.00
YC28405	LJ	444	2019-03-31				1	$ 5.00	$ 5.00
YC28406	LJ	445	2019-03-31				1	$ 5.00	$ 5.00
YC28407	LJ	446	2019-03-31				1	$ 5.00	$ 5.00
YC28408	LJ	448	2019-03-31				1	$ 5.00	$ 5.00
YC28409	LJ	450	2019-03-31				1	$ 5.00	$ 5.00
YC28410	LJ	451	2019-03-31				1	$ 5.00	$ 5.00
YC28411	LJ	452	2019-03-31				1	$ 5.00	$ 5.00
YC28412	LJ	453	2019-03-31				1	$ 5.00	$ 5.00
YC28413	LJ	454	2019-03-31				1	$ 5.00	$ 5.00
YC28414	LJ	455	2019-03-31				1	$ 5.00	$ 5.00
YC28415	LJ	456	2019-03-31				1	$ 5.00	$ 5.00
YC28416	LJ	457	2019-03-31				1	$ 5.00	$ 5.00
YC28417	LJ	458	2019-03-31				1	$ 5.00	$ 5.00
YC28418	LJ	459	2019-03-31				1	$ 5.00	$ 5.00
YC28419	LJ	460	2019-03-31				1	$ 5.00	$ 5.00
YC28420	LJ	461	2019-03-31				1	$ 5.00	$ 5.00
YC28421	LJ	462	2019-03-31				1	$ 5.00	$ 5.00
YC28422	LJ	463	2019-03-31				1	$ 5.00	$ 5.00
YC28423	LJ	464	2019-03-31				1	$ 5.00	$ 5.00
YC28424	LJ	465	2019-03-31				1	$ 5.00	$ 5.00
YC28425	LJ	466	2019-03-31				1	$ 5.00	$ 5.00
YC28426	LJ	467	2019-03-31				1	$ 5.00	$ 5.00
YC28427	LJ	468	2019-03-31				1	$ 5.00	$ 5.00
YC28428	LJ	469	2019-03-31				1	$ 5.00	$ 5.00
YC28429	LJ	470	2019-03-31				1	$ 5.00	$ 5.00
YC28430	LJ	471	2019-03-31				1	$ 5.00	$ 5.00
YC28431	LJ	472	2019-03-31				1	$ 5.00	$ 5.00
YC28432	LJ	473	2019-03-31				1	$ 5.00	$ 5.00
YC28434	LJ	475	2019-03-31				1	$ 5.00	$ 5.00
YC28435	LJ	476	2019-03-31				1	$ 5.00	$ 5.00
YC28436	LJ	477	2019-03-31				1	$ 5.00	$ 5.00
YC28438	LJ	479	2019-03-31				1	$ 5.00	$ 5.00
YC28442	LJ	483	2019-03-31				1	$ 5.00	$ 5.00
YC21092	Lucky	9	2020-03-31				1	$ 5.00	$ 5.00
YC21093	Lucky	10	2020-03-31				1	$ 5.00	$ 5.00
YC21232	LJ	1	2020-03-31				1	$ 5.00	$ 5.00
YC21233	LJ	2	2020-03-31				1	$ 5.00	$ 5.00
YC21234	LJ	3	2020-03-31				1	$ 5.00	$ 5.00
YC21235	LJ	4	2020-03-31				1	$ 5.00	$ 5.00
YC21236	LJ	5	2020-03-31				1	$ 5.00	$ 5.00
YC21237	LJ	6	2020-03-31				1	$ 5.00	$ 5.00
YC21238	LJ	7	2020-03-31				1	$ 5.00	$ 5.00
YC21240	LJ	9	2020-03-31				1	$ 5.00	$ 5.00
YC21241	LJ	10	2020-03-31			$783.18	1	$ 5.00	$ 5.00
YC21242	LJ	11	2020-03-31				1	$ 5.00	$ 5.00
YC21243	LJ	12	2020-03-31				1	$ 5.00	$ 5.00
YC21244	LJ	13	2020-03-31				1	$ 5.00	$ 5.00
YC21245	LJ	14	2020-03-31				1	$ 5.00	$ 5.00
YC21246	LJ	15	2020-03-31				1	$ 5.00	$ 5.00
YC21247	LJ	16	2020-03-31				1	$ 5.00	$ 5.00
YC21248	LJ	17	2020-03-31				1	$ 5.00	$ 5.00
YC21249	LJ	18	2020-03-31				1	$ 5.00	$ 5.00
YC21250	LJ	19	2020-03-31				1	$ 5.00	$ 5.00
YC21251	LJ	20	2020-03-31				1	$ 5.00	$ 5.00
YC21252	LJ	21	2020-03-31				1	$ 5.00	$ 5.00
YC21268	LJ	37	2020-03-31				1	$ 5.00	$ 5.00
YC21270	LJ	39	2020-03-31				1	$ 5.00	$ 5.00
YC21272	LJ	41	2020-03-31				1	$ 5.00	$ 5.00
YC21308	LJ	77	2020-03-31				1	$ 5.00	$ 5.00
YC21309	LJ	78	2020-03-31				1	$ 5.00	$ 5.00
YC21310	LJ	79	2020-03-31				1	$ 5.00	$ 5.00
YC21311	LJ	80	2020-03-31				1	$ 5.00	$ 5.00

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YC21312	LJ	81	2020-03-31				1	$ 5.00	$ 5.00
YC21313	LJ	82	2020-03-31				1	$ 5.00	$ 5.00
YC21314	LJ	83	2020-03-31				1	$ 5.00	$ 5.00
YC21315	LJ	84	2020-03-31				1	$ 5.00	$ 5.00
YC21316	LJ	85	2020-03-31				1	$ 5.00	$ 5.00
YC21317	LJ	86	2020-03-31				1	$ 5.00	$ 5.00
YC21318	LJ	87	2020-03-31				1	$ 5.00	$ 5.00
YC21319	LJ	88	2020-03-31				1	$ 5.00	$ 5.00
YC21320	LJ	89	2020-03-31				1	$ 5.00	$ 5.00
YC21321	LJ	90	2020-03-31				1	$ 5.00	$ 5.00
YC21322	LJ	91	2020-03-31				1	$ 5.00	$ 5.00
YC21323	LJ	92	2020-03-31				1	$ 5.00	$ 5.00
YC21324	LJ	93	2020-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21325	LJ	94	2020-03-31		$1,449.79	$783.18	1	$ 5.00	$ 5.00
YC21326	LJ	95	2020-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21327	LJ	96	2020-03-31		$1,449.79		1	$ 5.00	$ 5.00
YC21358	LJ	127	2020-03-31				1	$ 5.00	$ 5.00
YC21360	LJ	129	2020-03-31				1	$ 5.00	$ 5.00
YC21362	LJ	131	2020-03-31				1	$ 5.00	$ 5.00
YC21364	LJ	133	2020-03-31				1	$ 5.00	$ 5.00
YC21369	LJ	138	2020-03-31				1	$ 5.00	$ 5.00
YC21371	LJ	140	2020-03-31				1	$ 5.00	$ 5.00
YC21374	LJ	143	2020-03-31				1	$ 5.00	$ 5.00
YC21378	LJ	147	2020-03-31				1	$ 5.00	$ 5.00
YC21379	LJ	148	2020-03-31				1	$ 5.00	$ 5.00
YC21380	LJ	149	2020-03-31					$ 5.00	$ -
YC21381	LJ	150	2020-03-31					$ 5.00	$ -
YC21382	LJ	151	2020-03-31					$ 5.00	$ -
YC21383	LJ	152	2020-03-31					$ 5.00	$ -
YC21384	LJ	153	2020-03-31					$ 5.00	$ -
YC21385	LJ	154	2020-03-31					$ 5.00	$ -
YC21386	LJ	155	2020-03-31					$ 5.00	$ -
YC21387	LJ	156	2020-03-31					$ 5.00	$ -
YC21412	LJ	241	2020-03-31					$ 5.00	$ -
YC21414	LJ	243	2020-03-31					$ 5.00	$ -
YC21416	LJ	245	2020-03-31					$ 5.00	$ -
YC21417	LJ	246	2020-03-31					$ 5.00	$ -
YC21420	LJ	249	2020-03-31					$ 5.00	$ -
YC21421	LJ	250	2020-03-31					$ 5.00	$ -
YC21422	LJ	251	2020-03-31					$ 5.00	$ -
YC21423	LJ	252	2020-03-31					$ 5.00	$ -
YC21424	LJ	253	2020-03-31					$ 5.00	$ -
YC21425	LJ	254	2020-03-31					$ 5.00	$ -
YC21436	LJ	265	2020-03-31					$ 5.00	$ -
YC21472	LJ	169	2020-03-31					$ 5.00	$ -
YC21474	LJ	171	2020-03-31					$ 5.00	$ -
YC21475	LJ	172	2020-03-31					$ 5.00	$ -
YC21476	LJ	173	2020-03-31					$ 5.00	$ -
YC21477	LJ	174	2020-03-31					$ 5.00	$ -
YC21478	LJ	175	2020-03-31					$ 5.00	$ -
YC21479	LJ	176	2020-03-31					$ 5.00	$ -
YC21480	LJ	177	2020-03-31					$ 5.00	$ -
YC21481	LJ	178	2020-03-31					$ 5.00	$ -
YC21482	LJ	179	2020-03-31					$ 5.00	$ -
YC21483	LJ	180	2020-03-31					$ 5.00	$ -
YC21498	LJ	195	2020-03-31					$ 5.00	$ -
YC21499	LJ	196	2020-03-31					$ 5.00	$ -
YC21508	LJ	205	2020-03-31					$ 5.00	$ -
YC21509	LJ	206	2020-03-31					$ 5.00	$ -
YC21510	LJ	207	2020-03-31					$ 5.00	$ -
YC21511	LJ	208	2020-03-31					$ 5.00	$ -
YC21512	LJ	209	2020-03-31					$ 5.00	$ -
YC21513	LJ	210	2020-03-31					$ 5.00	$ -
YC21514	LJ	211	2020-03-31					$ 5.00	$ -
YC21515	LJ	212	2020-03-31					$ 5.00	$ -
YC21516	LJ	213	2020-03-31		$1,449.79			$ 5.00	$ -
YC21517	LJ	214	2020-03-31					$ 5.00	$ -
YC21518	LJ	215	2020-03-31		$1,449.79			$ 5.00	$ -
YC21519	LJ	216	2020-03-31					$ 5.00	$ -
Y 99884	Ash	2	2021-03-31					$ 5.00	$ -
Y 99886	Ash	4	2021-03-31					$ 5.00	$ -

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YA29800	Tar	1	2021-03-31					$ 5.00	$ -
YC21084	Lucky	1	2021-03-31					$ 5.00	$ -
YC21085	Lucky	2	2021-03-31					$ 5.00	$ -
YC21086	Lucky	3	2021-03-31			$783.18		$ 5.00	$ -
YC21087	Lucky	4	2021-03-31					$ 5.00	$ -
YC21088	Lucky	5	2021-03-31			$783.18		$ 5.00	$ -
YC21089	Lucky	6	2021-03-31			$783.18		$ 5.00	$ -
YC21090	Lucky	7	2021-03-31					$ 5.00	$ -
YC21091	Lucky	8	2021-03-31					$ 5.00	$ -
YC21239	LJ	8	2021-03-31					$ 5.00	$ -
YC21253	LJ	22	2021-03-31					$ 5.00	$ -
YC21254	LJ	23	2021-03-31					$ 5.00	$ -
YC21255	LJ	24	2021-03-31					$ 5.00	$ -
YC21256	LJ	25	2021-03-31					$ 5.00	$ -
YC21257	LJ	26	2021-03-31					$ 5.00	$ -
YC21258	LJ	27	2021-03-31					$ 5.00	$ -
YC21259	LJ	28	2021-03-31					$ 5.00	$ -
YC21260	LJ	29	2021-03-31					$ 5.00	$ -
YC21261	LJ	30	2021-03-31					$ 5.00	$ -
YC21340	LJ	109	2021-03-31					$ 5.00	$ -
YC21341	LJ	110	2021-03-31					$ 5.00	$ -
YC21342	LJ	111	2021-03-31					$ 5.00	$ -
YC21343	LJ	112	2021-03-31					$ 5.00	$ -
YC21344	LJ	113	2021-03-31					$ 5.00	$ -
YC21345	LJ	114	2021-03-31					$ 5.00	$ -
YC21347	LJ	116	2021-03-31					$ 5.00	$ -
YC21349	LJ	118	2021-03-31					$ 5.00	$ -
YC21372	LJ	141	2021-03-31					$ 5.00	$ -
YC21375	LJ	144	2021-03-31					$ 5.00	$ -
YC21376	LJ	145	2021-03-31					$ 5.00	$ -
YC21377	LJ	146	2021-03-31					$ 5.00	$ -
YC21401	LJ	230	2021-03-31					$ 5.00	$ -
YC21410	LJ	239	2021-03-31					$ 5.00	$ -
YC21435	LJ	264	2021-03-31					$ 5.00	$ -
YC21437	LJ	266	2021-03-31					$ 5.00	$ -
YC22086	LJ	297	2021-03-31					$ 5.00	$ -
YC22087	LJ	298	2021-03-31					$ 5.00	$ -
YC22088	LJ	299	2021-03-31					$ 5.00	$ -
YC22089	LJ	300	2021-03-31					$ 5.00	$ -
YC22092	LJ	303	2021-03-31					$ 5.00	$ -
YC22093	LJ	304	2021-03-31					$ 5.00	$ -
YC22094	LJ	305	2021-03-31					$ 5.00	$ -
YC22095	LJ	306	2021-03-31					$ 5.00	$ -
YC22096	LJ	307	2021-03-31					$ 5.00	$ -
YC22097	LJ	308	2021-03-31					$ 5.00	$ -
YC22098	LJ	309	2021-03-31					$ 5.00	$ -
YC22099	LJ	310	2021-03-31					$ 5.00	$ -
YC22100	LJ	311	2021-03-31					$ 5.00	$ -
YC22101	LJ	312	2021-03-31					$ 5.00	$ -
YC22102	LJ	313	2021-03-31					$ 5.00	$ -
YC22103	LJ	314	2021-03-31					$ 5.00	$ -
YC22104	LJ	315	2021-03-31					$ 5.00	$ -
YC22105	LJ	316	2021-03-31					$ 5.00	$ -
YC22106	LJ	317	2021-03-31					$ 5.00	$ -
YC22107	LJ	318	2021-03-31					$ 5.00	$ -
YC22108	LJ	319	2021-03-31					$ 5.00	$ -
YC22109	LJ	320	2021-03-31					$ 5.00	$ -
YC22110	LJ	321	2021-03-31					$ 5.00	$ -
YC22111	LJ	322	2021-03-31					$ 5.00	$ -
YC22112	LJ	323	2021-03-31					$ 5.00	$ -
YC22113	LJ	324	2021-03-31					$ 5.00	$ -
YC22114	LJ	325	2021-03-31					$ 5.00	$ -
YC22115	LJ	326	2021-03-31					$ 5.00	$ -
YC22116	LJ	327	2021-03-31					$ 5.00	$ -
YC22117	LJ	328	2021-03-31					$ 5.00	$ -
YC22122	LJ	341	2021-03-31					$ 5.00	$ -
YC22123	LJ	342	2021-03-31					$ 5.00	$ -
YC22125	LJ	344	2021-03-31					$ 5.00	$ -
YC22127	LJ	346	2021-03-31					$ 5.00	$ -
YC22129	LJ	348	2021-03-31					$ 5.00	$ -
YC22131	LJ	350	2021-03-31					$ 5.00	$ -

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YC22132	LJ	351	2021-03-31					$ 5.00	$ -
YC22133	LJ	352	2021-03-31					$ 5.00	$ -
YC22134	LJ	353	2021-03-31					$ 5.00	$ -
YC22135	LJ	354	2021-03-31					$ 5.00	$ -
YC22136	LJ	355	2021-03-31					$ 5.00	$ -
YC22137	LJ	356	2021-03-31					$ 5.00	$ -
YC22138	LJ	357	2021-03-31					$ 5.00	$ -
YC22139	LJ	358	2021-03-31					$ 5.00	$ -
YC22140	LJ	359	2021-03-31					$ 5.00	$ -
YC22141	LJ	360	2021-03-31					$ 5.00	$ -
YC22142	LJ	361	2021-03-31					$ 5.00	$ -
YC22143	LJ	362	2021-03-31					$ 5.00	$ -
YC22144	LJ	363	2021-03-31					$ 5.00	$ -
YC22145	LJ	364	2021-03-31					$ 5.00	$ -
YC22146	LJ	365	2021-03-31					$ 5.00	$ -
YC22147	LJ	366	2021-03-31					$ 5.00	$ -
YC22148	LJ	367	2021-03-31					$ 5.00	$ -
YC22149	LJ	368	2021-03-31					$ 5.00	$ -
YC22150	LJ	369	2021-03-31					$ 5.00	$ -
YC22151	LJ	370	2021-03-31					$ 5.00	$ -
YC22152	LJ	371	2021-03-31					$ 5.00	$ -
YC22153	LJ	372	2021-03-31					$ 5.00	$ -
YC22154	LJ	373	2021-03-31					$ 5.00	$ -
YC22155	LJ	374	2021-03-31					$ 5.00	$ -
YC22156	LJ	375	2021-03-31					$ 5.00	$ -
YC22157	LJ	376	2021-03-31					$ 5.00	$ -
YC22162	LJ	385	2021-03-31					$ 5.00	$ -
YC22163	LJ	386	2021-03-31					$ 5.00	$ -
YC22164	LJ	387	2021-03-31					$ 5.00	$ -
YC22165	LJ	388	2021-03-31					$ 5.00	$ -
YC22166	LJ	389	2021-03-31					$ 5.00	$ -
YC22167	LJ	390	2021-03-31					$ 5.00	$ -
YC22168	LJ	391	2021-03-31					$ 5.00	$ -
YC22169	LJ	392	2021-03-31					$ 5.00	$ -
YC22170	LJ	393	2021-03-31					$ 5.00	$ -
YC22171	LJ	394	2021-03-31					$ 5.00	$ -
YC22172	LJ	395	2021-03-31					$ 5.00	$ -
YC22173	LJ	396	2021-03-31					$ 5.00	$ -
YC22174	LJ	397	2021-03-31					$ 5.00	$ -
YC22175	LJ	398	2021-03-31					$ 5.00	$ -
YC22176	LJ	399	2021-03-31					$ 5.00	$ -
YC22177	LJ	400	2021-03-31					$ 5.00	$ -
YC22178	LJ	401	2021-03-31					$ 5.00	$ -
YC22179	LJ	402	2021-03-31					$ 5.00	$ -
YC22180	LJ	403	2021-03-31					$ 5.00	$ -
YC22181	LJ	404	2021-03-31					$ 5.00	$ -
YC22182	LJ	405	2021-03-31					$ 5.00	$ -
YC22183	LJ	406	2021-03-31					$ 5.00	$ -
YC22184	LJ	407	2021-03-31					$ 5.00	$ -
YC22185	LJ	408	2021-03-31					$ 5.00	$ -
YC22186	LJ	409	2021-03-31					$ 5.00	$ -
YC22187	LJ	410	2021-03-31					$ 5.00	$ -
YC22188	LJ	411	2021-03-31					$ 5.00	$ -
YC22189	LJ	412	2021-03-31					$ 5.00	$ -
YC22190	LJ	413	2021-03-31					$ 5.00	$ -
YC22191	LJ	414	2021-03-31					$ 5.00	$ -
YC22192	LJ	415	2021-03-31					$ 5.00	$ -
YC22193	LJ	416	2021-03-31					$ 5.00	$ -
YC22194	LJ	417	2021-03-31					$ 5.00	$ -
YC22195	LJ	418	2021-03-31					$ 5.00	$ -
YC22200	LJ	423	2021-03-31					$ 5.00	$ -
YC22211	LJ	434	2021-03-31					$ 5.00	$ -
YC22214	LJ	437	2021-03-31					$ 5.00	$ -
YC21426	LJ	255	2022-03-31					$ 5.00	$ -
YC21427	LJ	256	2022-03-31					$ 5.00	$ -
YC21428	LJ	257	2022-03-31					$ 5.00	$ -
YC21429	LJ	258	2022-03-31					$ 5.00	$ -
YC21430	LJ	259	2022-03-31					$ 5.00	$ -
YC21431	LJ	260	2022-03-31					$ 5.00	$ -
YC21432	LJ	261	2022-03-31					$ 5.00	$ -
YC21433	LJ	262	2022-03-31					$ 5.00	$ -

Claim Information					Actual Work Done by Claim		Renewal		
Grant No.	Claim Name	Claim No.	Expiry Date	Extend to Date	Soil Geochem	Prospect	Years	Annual Fee	Total
YC21434	LJ	263	2022-03-31					$ 5.00	$ -
YC21484	LJ	181	2022-03-31					$ 5.00	$ -
YC21485	LJ	182	2022-03-31					$ 5.00	$ -
YC21486	LJ	183	2022-03-31					$ 5.00	$ -
YC21487	LJ	184	2022-03-31					$ 5.00	$ -
YC21488	LJ	185	2022-03-31					$ 5.00	$ -
YC21489	LJ	186	2022-03-31					$ 5.00	$ -
YC21490	LJ	187	2022-03-31					$ 5.00	$ -
YC21491	LJ	188	2022-03-31					$ 5.00	$ -
YC21492	LJ	189	2022-03-31					$ 5.00	$ -
YC21493	LJ	190	2022-03-31					$ 5.00	$ -
YC21494	LJ	191	2022-03-31					$ 5.00	$ -
YC21495	LJ	192	2022-03-31					$ 5.00	$ -
YC21496	LJ	193	2022-03-31					$ 5.00	$ -
YC21497	LJ	194	2022-03-31					$ 5.00	$ -
YC21409	LJ	238	2023-03-31					$ 5.00	$ -
Y 56957	B No.	2	2024-03-31					$ 5.00	$ -
Y 56960	B No.	5	2024-03-31					$ 5.00	$ -
Y 56961	B No.	6	2024-03-31					$ 5.00	$ -
YC21094	Lucky	11	2024-03-31					$ 5.00	$ -
YC21095	Lucky	12	2024-03-31					$ 5.00	$ -
YC21262	LJ	31	2024-03-31					$ 5.00	$ -
YC21263	LJ	32	2024-03-31					$ 5.00	$ -
YC21264	LJ	33	2024-03-31					$ 5.00	$ -
YC21265	LJ	34	2024-03-31					$ 5.00	$ -
YC21266	LJ	35	2024-03-31					$ 5.00	$ -
YC21267	LJ	36	2024-03-31					$ 5.00	$ -
YC21346	LJ	115	2024-03-31					$ 5.00	$ -
YC21348	LJ	117	2024-03-31					$ 5.00	$ -
YC21400	LJ	229	2024-03-31					$ 5.00	$ -
YC21402	LJ	231	2024-03-31					$ 5.00	$ -
YC21403	LJ	232	2024-03-31					$ 5.00	$ -
YC21405	LJ	234	2024-03-31					$ 5.00	$ -
YC21473	LJ	170	2024-03-31					$ 5.00	$ -
YC22202	LJ	425	2024-03-31					$ 5.00	$ -
YC22203	LJ	426	2024-03-31					$ 5.00	$ -
YC22204	LJ	427	2024-03-31					$ 5.00	$ -
YC22205	LJ	428	2024-03-31					$ 5.00	$ -
Y 56956	B No.	1	2025-03-31					$ 5.00	$ -
YC21373	LJ	142	2025-03-31					$ 5.00	$ -
YC21404	LJ	233	2025-03-31					$ 5.00	$ -
YC21406	LJ	235	2025-03-31					$ 5.00	$ -
YC21407	LJ	236	2025-03-31					$ 5.00	$ -
YC21408	LJ	237	2025-03-31					$ 5.00	$ -
YC22090	LJ	301	2025-03-31					$ 5.00	$ -
YC22091	LJ	302	2025-03-31					$ 5.00	$ -
YC22124	LJ	343	2025-03-31					$ 5.00	$ -
YC22126	LJ	345	2025-03-31					$ 5.00	$ -
YC22128	LJ	347	2025-03-31					$ 5.00	$ -
YC22130	LJ	349	2025-03-31					$ 5.00	$ -
YC22201	LJ	424	2025-03-31					$ 5.00	$ -
				Columm Total	$27,545.98	$3,915.89	314	$ 5.00	$ 1,570.00
	Check Column less Expenses (Should be Zero)				$0.00	$0.00			
	Number of Claims where work was done				23				
		Expenses from Statement of Costs			$27,545.98	$3,915.89			
		Work required for requested renewal			$31,400.00				
				Surplus (Deficit)	$61.87				
Renewal Fees =		314	years @	$5.00	$1,570.00				

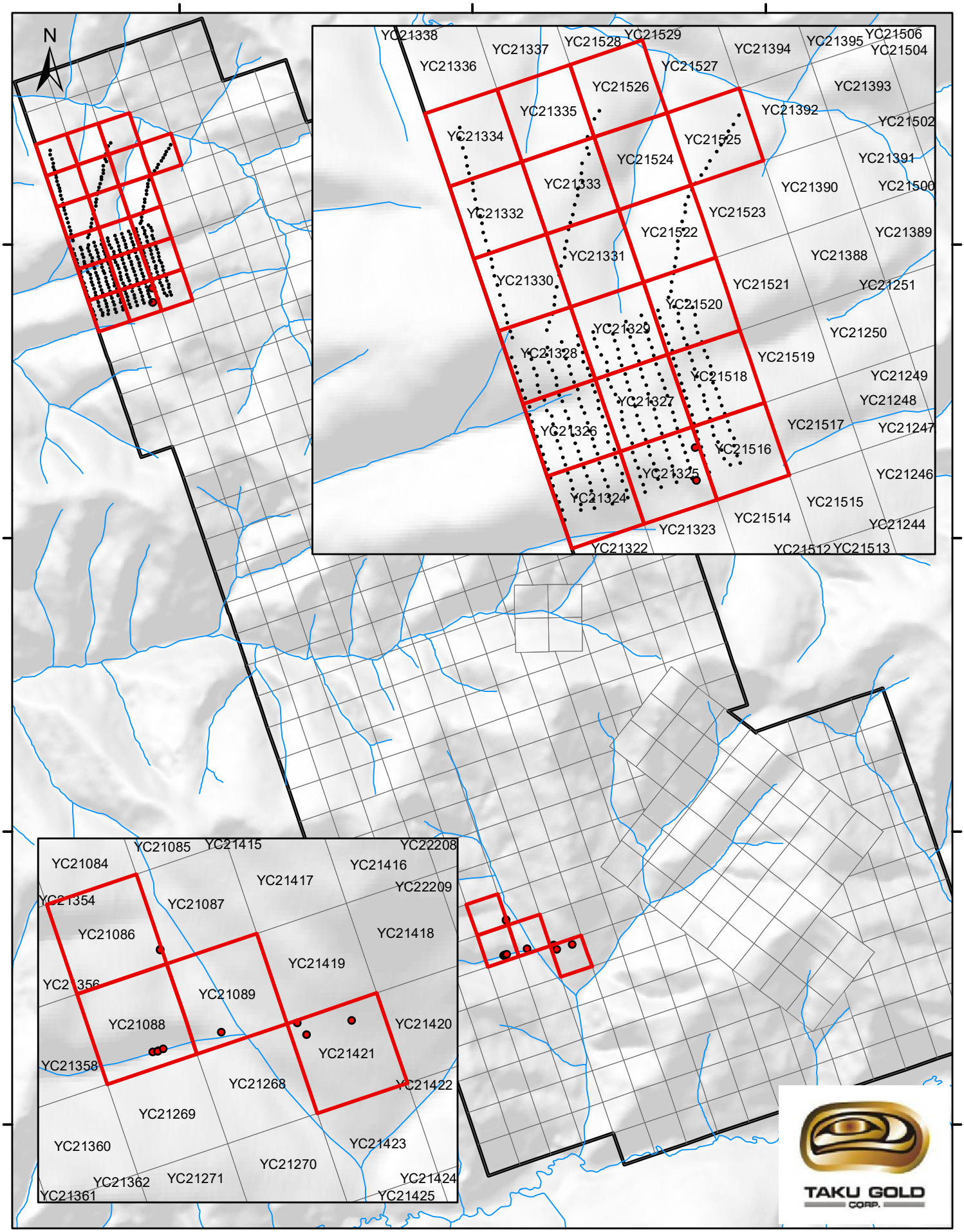
Statement of Expenses 2017 LuckyJoe - Geochem

Soil Geochemical Survey			**Rate**			**Amount**
Breakaway Expl. Mgmt. Inc. No. 1186 & 1217						
5150	Wages and Contract					
	Geologist M.Huber (Field)	1	days @	$600.00	$600.00	
	Geologist M.Huber (Report)	2	days @	$600.00	$1,200.00	
	Junior Techs (3)	9	days @	$280.00	$2,520.00	
						$4,320.00
5151	F&L					
	Hotel, food etc. per diem	10	days @	$150.00	$1,500.00	
	Heli-Dynamics pilot per diem	3	days @	$150.00	$450.00	
						$1,950.00
5152	Supplies					
	Tags, bags, flagging etc.	327	samples @	$2.50	$817.50	
						$817.50
5153	Transport					
	Truck Rental	3	days @	$200.00	$600.00	
						$600.00
5154	Rentals					
	VHF-FM radios	9	days @	$5.00	$45.00	
	Sat phone	3	days @	$10.00	$30.00	
	Ipaq GPS	9	days @	$5.00	$45.00	
	GIS Licence	5	days @	$10.00	$50.00	
						$170.00
Heli-dynamics No. 14315 to 14318						
5153	Transport					
	Helicopter Hours	5.8	hours @	$1,875.00	$10,875.00	
	Helicopter Fuel	1102	litres @	$1.25	$1,377.50	
						$12,252.50
BV No. 279917						
5156	Assays					
	Soils	327	samples @	$22.74	$7,435.98	
						$7,435.98
					Total	**$27,545.98**
Daily Journals						
Date	**Personnel**	**Activity**				
7-Jul-17	M.Huber	Geologist - plan survey, make field maps				
8-Aug-17	C.Reeves	Junior tech - Soil sampling				
9-Aug-17	B.McCauley	Junior tech - Soil sampling				
10-Aug-17	K.Tompkins	Junior tech - Soil sampling				
8-Aug-17	C.Reeves	Junior tech - Soil sampling				
9-Aug-17	B.McCauley	Junior tech - Soil sampling				
10-Aug-17	K.Tompkins	Junior tech - Soil sampling				
8-Aug-17	C.Reeves	Junior tech - Soil sampling				
9-Aug-17	B.McCauley	Junior tech - Soil sampling				
10-Aug-17	K.Tompkins	Junior tech - Soil sampling				
4-Dec-17	M.Huber	Geologist - maps & report				

Statement of Expenses 2017 LuckyJoe - Prospect

Prospecting			**Rate**			**Amount**
Breakaway Expl. Mgmt. Inc. No. 1187						
5550	Wages and Contract					
	Geologist M.Huber	3	days @	$600.00	$1,800.00	
	Geologist D.Wales	2	days @	$375.00	$750.00	
						$2,550.00
5551	F&L					
	Hotel, food etc. per diem	5	days @	$150.00	$750.00	
						$750.00
5552	Supplies					
	Tags, bags, flagging etc.	13	samples @	$2.50	$32.50	
						$32.50
5553	Transport					
	Truck Rental	0	days @	$200.00	$0.00	
						$0.00
5554	Rentals					
	VHF-FM radios	2	days @	$5.00	$10.00	
	Sat phone	1	days @	$10.00	$10.00	
	Ipaq GPS	2	days @	$5.00	$10.00	
	GIS Licence	2	days @	$10.00	$20.00	
						$50.00
Invoice No.						
5553	Transport					
	Helicopter Hours	0	hours @	$0.00	$0.00	
	Helicopter Fuel	0	litres @	$0.00	$0.00	
						$0.00
BV No. 279666 & 279981						
5556	Assays					
	Rocks	13	samples @	$41.03	$533.39	
						$533.39
					Total	**$3,915.89**

Daily Journals			
Date	**Personnel**	**Activity**	
24-Jul-17	M.Huber	Geologist - prospecting and sampling	
24-Jul-17	D.Wales	Geologist - prospecting and sampling	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YC21425
TAKU GOLD
CORP.
Coordinate System: NAD 1983 UTM Zone 7N
Projection: Transverse Mercator
Datum: North American 1983
Date: 2017-12-04
0 0.5 1 2 Kilometers
Lucky Joe Property
Claims Worked 2017

Appendix B - Sample Locations and Descriptions

Appendix B - Soil Sample Locations and Descriptions

Sample	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201432	2017-08-08	CodyReeves	919.5	GPS	567522	7055202	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201433	2017-08-08	CodyReeves	920.6	GPS	567508	7055247	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201434	2017-08-08	CodyReeves	928.1	GPS	567498	7055296	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201435	2017-08-08	CodyReeves	928.4	GPS	567479	7055345	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	ForestMixed
201436	2017-08-08	CodyReeves	931.1	GPS	567464	7055390	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201437	2017-08-08	CodyReeves	930.2	GPS	567450	7055438	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	ForestMixed
201438	2017-08-08	CodyReeves	927.5	GPS	567434	7055488	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201439	2017-08-08	CodyReeves	923.4	GPS	567419	7055535	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201440	2017-08-08	CodyReeves	919.7	GPS	567403	7055582	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201441	2017-08-08	CodyReeves	917.7	GPS	567390	7055633	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201442	2017-08-08	CodyReeves	921.3	GPS	567371	7055675	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201443	2017-08-08	CodyReeves	918.7	GPS	567356	7055724	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201444	2017-08-08	CodyReeves	922.2	GPS	567345	7055774	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201445	2017-08-08	CodyReeves	924.5	GPS	567322	7055821	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201446	2017-08-08	CodyReeves	923	GPS	567311	7055866	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201447	2017-08-08	CodyReeves	915	GPS	567301	7055915	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201448	2017-08-08	CodyReeves	912.2	GPS	567281	7055963	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	ForestMixed
201449	2017-08-08	CodyReeves	903.4	GPS	567267	7056006	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201450	2017-08-08	CodyReeves	887.1	GPS	567250	7056055	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201451	2017-08-08	CodyReeves	881.8	GPS	567233	7056101	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201452	2017-08-08	CodyReeves	868.1	GPS	567224	7056147	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	Ridge	C	50	Moist	Good	BurnOld
201453	2017-08-08	CodyReeves	853.8	GPS	567127	7056127	UTMZ7N_WGS84	Lithosoil	BrownLight	Gravel	Ridge	C	45	Moist	Good	ForestMixed
201454	2017-08-08	CodyReeves	873.7	GPS	567147	7056075	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201455	2017-08-08	CodyReeves	902.1	GPS	567160	7056033	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201456	2017-08-08	CodyReeves	909.5	GPS	567175	7055984	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201457	2017-08-08	CodyReeves	919.2	GPS	567185	7055933	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201458	2017-08-08	CodyReeves	926	GPS	567200	7055888	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	BurnOld
201459	2017-08-08	CodyReeves	931.5	GPS	567220	7055839	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	ForestMixed
201460	2017-08-08	CodyReeves	930.6	GPS	567232	7055791	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201461	2017-08-08	CodyReeves	930	GPS	567247	7055744	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	ForestMixed
201462	2017-08-08	CodyReeves	928.2	GPS	567266	7055695	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	BurnOld
201463	2017-08-08	CodyReeves	925.4	GPS	567277	7055651	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	BurnOld
201464	2017-08-08	CodyReeves	927.4	GPS	567288	7055594	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201465	2017-08-08	CodyReeves	925.1	GPS	567304	7055549	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	ForestMixed
201466	2017-08-08	CodyReeves	926.4	GPS	567325	7055507	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Flat	C	50	Dry	Excellent	BurnOld
201467	2017-08-08	CodyReeves	923	GPS	567340	7055453	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	BurnOld

Appendix B - Soil Sample Locations and Descriptions

Sample	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
201468	2017-08-08	CodyReeves	930.5	GPS	567360	7055413	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	BurnOld
201469	2017-08-08	CodyReeves	922.9	GPS	567367	7055362	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	BurnOld
201470	2017-08-08	CodyReeves	913.6	GPS	567387	7055313	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201471	2017-08-08	CodyReeves	911.8	GPS	567400	7055272	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201472	2017-08-08	CodyReeves	903	GPS	567411	7055219	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201473	2017-08-08	CodyReeves	893	GPS	567431	7055173	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201474	2017-08-09	CodyReeves	844	GPS	567144	7055077	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201475	2017-08-09	CodyReeves	853.6	GPS	567127	7055122	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201476	2017-08-09	CodyReeves	865.3	GPS	567119	7055176	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201477	2017-08-09	CodyReeves	871.3	GPS	567102	7055218	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201478	2017-08-09	CodyReeves	883.5	GPS	567085	7055270	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201479	2017-08-09	CodyReeves	897.3	GPS	567069	7055316	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201480	2017-08-09	CodyReeves	895.5	GPS	567057	7055368	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	BurnOld
201481	2017-08-09	CodyReeves	889.4	GPS	567039	7055414	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201482	2017-08-09	CodyReeves	878.5	GPS	567026	7055458	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201483	2017-08-09	CodyReeves	877.8	GPS	567010	7055503	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	50	Dry	Good	BurnOld
201484	2017-08-09	CodyReeves	877.1	GPS	566998	7055552	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201485	2017-08-09	CodyReeves	872.9	GPS	566982	7055609	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201486	2017-08-09	CodyReeves	873.5	GPS	566964	7055645	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201487	2017-08-09	CodyReeves	874.1	GPS	566948	7055694	UTMZ7N_WGS84	Lithosoil	Brown	Sand	Ridge	C	40	Dry	Good	BurnOld
201488	2017-08-09	CodyReeves	874.5	GPS	566939	7055746	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201489	2017-08-09	CodyReeves	880.7	GPS	566918	7055792	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201490	2017-08-09	CodyReeves	890.9	GPS	566901	7055839	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201491	2017-08-09	CodyReeves	898.8	GPS	566888	7055886	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	BurnOld
201492	2017-08-09	CodyReeves	901.2	GPS	566872	7055930	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestBirch
201493	2017-08-09	CodyReeves	904.7	GPS	566857	7055977	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestBirch
201494	2017-08-09	CodyReeves	896.8	GPS	566845	7056029	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestBirch
201495	2017-08-09	CodyReeves	902.3	GPS	566763	7055995	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201496	2017-08-09	CodyReeves	904.8	GPS	566760	7055953	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestMixed
201497	2017-08-09	CodyReeves	899.8	GPS	566771	7055909	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestBirch
201498	2017-08-09	CodyReeves	885.8	GPS	566793	7055862	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	ForestBirch
201499	2017-08-09	CodyReeves	878	GPS	566814	7055818	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	BurnOld
201500	2017-08-09	CodyReeves	864.4	GPS	566816	7055771	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	ForestBirch
201501	2017-08-09	CodyReeves	846.1	GPS	566831	7055715	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Moist	Good	BurnOld
201502	2017-08-09	CodyReeves	838.5	GPS	566849	7055677	UTMZ7N_WGS84	Lithosoil	Brown	Silt	Ridge	C	40	Moist	Good	DrainageAlder
201503	2017-08-09	CodyReeves	846.4	GPS	566867	7055620	UTMZ7N_WGS84	Lithosoil	BrownLight	Silt	Ridge	C	45	Dry	Good	BurnOld

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201504	2017-08-09	CodyReeves	853.4	GPS	566884	7055576	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201505	2017-08-09	CodyReeves	855.6	GPS	566897	7055531	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201506	2017-08-09	CodyReeves	860	GPS	566911	7055480	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201507	2017-08-09	CodyReeves	862.3	GPS	566924	7055430	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201508	2017-08-09	CodyReeves	869.7	GPS	566945	7055384	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201509	2017-08-09	CodyReeves	869.9	GPS	566959	7055338	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201510	2017-08-09	CodyReeves	870.5	GPS	566977	7055291	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	BurnOld
201511	2017-08-09	CodyReeves	866.9	GPS	566995	7055239	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	ForestMixed
201512	2017-08-09	CodyReeves	851.1	GPS	567013	7055197	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201513	2017-08-09	CodyReeves	842	GPS	567021	7055152	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	BurnOld
201514	2017-08-09	CodyReeves	831.2	GPS	567032	7055101	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201515	2017-08-09	CodyReeves	819.6	GPS	567038	7055050	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	BurnOld
201516	2017-08-10	CodyReeves	886	GPS	566554	7056054	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201517	2017-08-10	CodyReeves	892	GPS	566543	7056090	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	BurnOld
201518	2017-08-10	CodyReeves	890.5	GPS	566527	7056141	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201519	2017-08-10	CodyReeves	898.3	GPS	566518	7056187	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	40	Dry	Good	ForestMixed
201520	2017-08-10	CodyReeves	891.3	GPS	566506	7056240	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	55	Dry	Excellent	ForestMixed
201521	2017-08-10	CodyReeves	885.9	GPS	566484	7056303	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Excellent	ForestMixed
201522	2017-08-10	CodyReeves	876.6	GPS	566468	7056361	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201523	2017-08-10	CodyReeves	871	GPS	566451	7056417	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201524	2017-08-10	CodyReeves	849.7	GPS	566440	7056466	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	45	Dry	Good	BurnOld
201525	2017-08-10	CodyReeves	839.9	GPS	566431	7056513	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201526	2017-08-10	CodyReeves	845.6	GPS	566417	7056561	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201527	2017-08-10	CodyReeves	842.4	GPS	566400	7056624	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201528	2017-08-10	CodyReeves	841.8	GPS	566385	7056672	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201529	2017-08-10	CodyReeves	843.9	GPS	566378	7056726	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201530	2017-08-10	CodyReeves	829.2	GPS	566366	7056769	UTMZ7N_WGS84	Lithosoil	RustyOrange	Sand	Ridge	C	50	Dry	Excellent	BurnOld
201531	2017-08-10	CodyReeves	823.4	GPS	566350	7056814	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Moist	Good	BurnOld
201532	2017-08-10	CodyReeves	806.5	GPS	566338	7056868	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	BurnOld
201533	2017-08-10	CodyReeves	790.9	GPS	566325	7056918	UTMZ7N_WGS84	Lithosoil	Grey	Silt	Ridge	C	45	Moist	Good	ForestMixed
201534	2017-08-10	CodyReeves	788.5	GPS	566321	7056962	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Moist	Good	ForestMixed
201535	2017-08-10	CodyReeves	785.5	GPS	566301	7057018	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201536	2017-08-10	CodyReeves	770.1	GPS	566288	7057063	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
201537	2017-08-10	CodyReeves	760	GPS	566282	7057112	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201538	2017-08-10	CodyReeves	745.3	GPS	566264	7057168	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	40	Dry	Good	ForestMixed
201539	2017-08-10	CodyReeves	731	GPS	566246	7057226	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed

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201540	2017-08-10	CodyReeves	721.8	GPS	566244	7057287	UTMZ7N_WGS84	Lithosoil	BrownLight	Sand	Ridge	C	45	Dry	Good	ForestMixed
202358	2017-08-08	KieranTompkins	873.3	GPS	567898	7055317	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	BurnOld
202359	2017-08-08	KieranTompkins	878.3	GPS	567876	7055360	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	BurnOld
202360	2017-08-08	KieranTompkins	875.9	GPS	567861	7055418	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	BurnOld
202361	2017-08-08	KieranTompkins	872	GPS	567860	7055461	UTMZ7N_WGS84	Soil	RustyOrange	Silt	ModerateE	C	35	Dry	Good	BurnOld
202362	2017-08-08	KieranTompkins	872.8	GPS	567835	7055508	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	30	Dry	Good	BurnOld
202363	2017-08-08	KieranTompkins	872.2	GPS	567823	7055557	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Dry	Good	BurnOld
202364	2017-08-08	KieranTompkins	872.5	GPS	567805	7055605	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	50	Dry	Excellent	BurnOld
202365	2017-08-08	KieranTompkins	867.5	GPS	567785	7055654	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Frozen	Good	BurnOld
202366	2017-08-08	KieranTompkins	853.6	GPS	567773	7055702	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	45	Dry	Good	BurnOld
202367	2017-08-08	KieranTompkins	842.3	GPS	567756	7055752	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202368	2017-08-08	KieranTompkins	835.4	GPS	567737	7055789	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
202369	2017-08-08	KieranTompkins	829.9	GPS	567726	7055840	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	60	Moist	Good	ForestMixed
202370	2017-08-08	KieranTompkins	823.7	GPS	567721	7055885	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSE	C	70	Moist		ForestMixed
202371	2017-08-08	KieranTompkins	827.6	GPS	567702	7055935	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateSW	C	40	Dry	Good	BurnOld
202372	2017-08-08	KieranTompkins	826.1	GPS	567684	7055977	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Frozen	Good	BurnOld
202373	2017-08-08	KieranTompkins	827.8	GPS	567671	7056029	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	50	Moist	Good	BurnOld
202374	2017-08-08	KieranTompkins	828.4	GPS	567647	7056081	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Excellent	BurnOld
202375	2017-08-08	KieranTompkins	836.8	GPS	567635	7056121	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	BurnOld
202376	2017-08-08	KieranTompkins	842.7	GPS	567630	7056189	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	BurnOld
202377	2017-08-08	KieranTompkins	851.7	GPS	567615	7056231	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Dry	Good	BurnOld
202378	2017-08-08	KieranTompkins	842.3	GPS	567580	7056270	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202379	2017-08-08	KieranTompkins	849.3	GPS	567508	7056233	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	40	Dry	Good	BurnOld
202380	2017-08-08	KieranTompkins	869.4	GPS	567533	7056195	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	30	Dry	Good	BurnOld
202381	2017-08-08	KieranTompkins	872.8	GPS	567533	7056146	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202382	2017-08-08	KieranTompkins	875.5	GPS	567554	7056106	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202383	2017-08-08	KieranTompkins	865.8	GPS	567566	7056050	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	30	Dry	Good	BurnOld
202384	2017-08-08	KieranTompkins	860.8	GPS	567584	7056009	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	35	Dry	Good	BurnOld
202385	2017-08-08	KieranTompkins	865.2	GPS	567599	7055961	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
202386	2017-08-08	KieranTompkins	857.6	GPS	567613	7055918	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Good	ForestMixed
202387	2017-08-08	KieranTompkins	855.2	GPS	567629	7055869	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateE	C	40	Dry	Good	ForestMixed
202388	2017-08-08	KieranTompkins	849.9	GPS	567643	7055823	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	80	Moist	Good	ForestMixed
202389	2017-08-08	KieranTompkins	856.3	GPS	567658	7055768	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	60	Moist	Good	ForestMixed
202390	2017-08-08	KieranTompkins	862.4	GPS	567683	7055714	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Moist	Good	BurnOld
202391	2017-08-08	KieranTompkins	874.2	GPS	567686	7055678	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	35	Dry	Good	BurnOld
202392	2017-08-08	KieranTompkins	880.9	GPS	567704	7055630	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld

Appendix B - Soil Sample Locations and Descriptions

Sample	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
202393	2017-08-08	KieranTompkins	887.2	GPS	567719	7055579	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	35	Dry	Good	BurnOld
202394	2017-08-08	KieranTompkins	898	GPS	567731	7055530	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202395	2017-08-08	KieranTompkins	904.9	GPS	567739	7055479	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE		40	Dry	Good	BurnOld
202396	2017-08-08	KieranTompkins	905.4	GPS	567765	7055439	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Dry	Good	BurnOld
202397	2017-08-08	KieranTompkins	907.9	GPS	567789	7055392	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Dry	Good	BurnOld
202398	2017-08-08	KieranTompkins	904.1	GPS	567803	7055340	UTMZ7N_WGS84	TalusFine	Brown	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202399	2017-08-08	KieranTompkins	899.7	GPS	567839	7055304	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Frozen	Good	ForestMixed
202400	2017-08-09	KieranTompkins	858.5	GPS	567235	7055110	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	30	Dry	Good	BurnOld
202401	2017-08-09	KieranTompkins	871.3	GPS	567228	7055156	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202402	2017-08-09	KieranTompkins	883.2	GPS	567203	7055211	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202403	2017-08-09	KieranTompkins	900.3	GPS	567201	7055255	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202404	2017-08-09	KieranTompkins	910.1	GPS	567172	7055304	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202405	2017-08-09	KieranTompkins	909.7	GPS	567162	7055349	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	35	Dry	Good	BurnOld
202406	2017-08-09	KieranTompkins	909.6	GPS	567155	7055396	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	35	Dry	Good	BurnOld
202407	2017-08-09	KieranTompkins	905.2	GPS	567120	7055438	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Dry	Good	BurnOld
202408	2017-08-09	KieranTompkins	898.9	GPS	567117	7055486	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	35	Dry	Good	BurnOld
202409	2017-08-09	KieranTompkins	895	GPS	567104	7055535	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	35	Dry	Good	BurnOld
202410	2017-08-09	KieranTompkins	898.4	GPS	567084	7055587	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Dry	Good	BurnOld
202411	2017-08-09	KieranTompkins	897.6	GPS	567065	7055635	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202412	2017-08-09	KieranTompkins	895.1	GPS	567060	7055683	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Dry	Good	BurnOld
202413	2017-08-09	KieranTompkins	898.4	GPS	567042	7055734	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	50	Dry	Good	BurnOld
202414	2017-08-09	KieranTompkins	900	GPS	567029	7055773	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202415	2017-08-09	KieranTompkins	905.1	GPS	567012	7055830	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202416	2017-08-09	KieranTompkins	908.5	GPS	566997	7055871	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW		40	Dry	Good	BurnOld
202417	2017-08-09	KieranTompkins	912.2	GPS	566973	7055913	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	50	Dry	Good	BurnOld
202418	2017-08-09	KieranTompkins	907.5	GPS	566970	7055966	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	35	Dry	Good	BurnOld
202419	2017-08-09	KieranTompkins	902.3	GPS	566946	7056008	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	50	Moist	Good	BurnOld
202420	2017-08-09	KieranTompkins	890.6	GPS	566939	7056063	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202421	2017-08-09	KieranTompkins	873.7		567030	7056086	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	30	Dry	Good	BurnOld
202422	2017-08-09	KieranTompkins	882.7	GPS	567038	7056044	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202423	2017-08-09	KieranTompkins	897.5	GPS	567054	7055997	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	40	Dry	Good	BurnOld
202424	2017-08-09	KieranTompkins	910.3	GPS	567080	7055953	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateN	C	40	Dry	Good	BurnOld
202425	2017-08-09	KieranTompkins	917.4	GPS	567112	7055907	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Dry	Good	BurnOld
202426	2017-08-09	KieranTompkins	918.2	GPS	567116	7055858	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	35	Dry	Good	BurnOld
202427	2017-08-09	KieranTompkins	916.8	GPS	567119	7055807	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW		40	Dry	Good	BurnOld
202428	2017-08-09	KieranTompkins	913	GPS	567138	7055762	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	BurnOld

Appendix B - Soil Sample Locations and Descriptions

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202429	2017-08-09	KieranTompkins	912.2	GPS	567161	7055718	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	BurnOld
202430	2017-08-09	KieranTompkins	923.5	GPS	567178	7055675	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202431	2017-08-09	KieranTompkins	919.6	GPS	567197	7055619	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	BurnOld
202432	2017-08-09	KieranTompkins	921.1	GPS	567203	7055571	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Moist	Good	BurnOld
202433	2017-08-09	KieranTompkins	929.8	GPS	567212	7055526	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Dry	Good	BurnOld
202434	2017-08-09	KieranTompkins	926.6	GPS	567236	7055477	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202435	2017-08-09	KieranTompkins	925.7	GPS	567260	7055430	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	35	Dry	Good	BurnOld
202436	2017-08-09	KieranTompkins	918.5	GPS	567263	7055376	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateW	C	40	Dry	Good	BurnOld
202437	2017-08-09	KieranTompkins	914.1	GPS	567277	7055330	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	40	Dry	Good	BurnOld
202438	2017-08-09	KieranTompkins	905.7	GPS	567296	7055286	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	40	Dry	Good	BurnOld
202439	2017-08-09	KieranTompkins	893.9	GPS	567307	7055236	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	35	Dry	Good	BurnOld
202440	2017-08-09	KieranTompkins	882.8	GPS	567325	7055188	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	40	Dry	Good	BurnOld
202441	2017-08-09	KieranTompkins	882.2	GPS	567338	7055146	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateSW	C	40	Dry	Good	BurnOld
202442	2017-08-10	KieranTompkins	839	GPS	567476	7056291	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Dry	Good	BurnOld
202443	2017-08-10	KieranTompkins	828.6	GPS	567488	7056326	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	20	Dry	Poor	BurnOld
202444	2017-08-10	KieranTompkins	816.1	GPS	567493	7056378	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	35	Dry	Good	BurnOld
202445	2017-08-10	KieranTompkins	805.1	GPS	567504	7056430	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	30	Dry	Good	BurnOld
202446	2017-08-10	KieranTompkins	790.1	GPS	567512	7056473	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	40	Dry	Good	BurnOld
202447	2017-08-10	KieranTompkins	782.2	GPS	567517	7056524	UTMZ7N_WGS84	Soil	BrownLight	Silt	ModerateNW	C	45	Dry	Good	BurnOld
202448	2017-08-10	KieranTompkins	774	GPS	567530	7056576	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	60	Moist	Good	BurnOld
202449	2017-08-10	KieranTompkins	767.3	GPS	567531	7056619	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	440	Dry	Good	BurnOld
202450	2017-08-10	KieranTompkins	755	GPS	567561	7056688	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	BurnOld
202451	2017-08-10	KieranTompkins	745.6	GPS	567555	7056734	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	30	Moist	Good	BurnOld
202452	2017-08-10	KieranTompkins	743.8	GPS	567572	7056792	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	BurnOld
202453	2017-08-10	KieranTompkins	739	GPS	567574	7056835	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	50	Moist	Good	BurnOld
202454	2017-08-10	KieranTompkins	738.2	GPS	567591	7056881	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Good	BurnOld
202455	2017-08-10	KieranTompkins	727.2	GPS	567612	7056921	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Moist	Good	BurnOld
202456	2017-08-10	KieranTompkins	721.5	GPS	567636	7056963	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	BurnOld
202457	2017-08-10	KieranTompkins	707.9	GPS	567668	7057007	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	30	Dry	Good	BurnOld
202458	2017-08-10	KieranTompkins	691.6	GPS	567697	7057049	UTMZ7N_WGS84	Soil	BrownLight	Silt	Ridge	C	30	Dry	Good	BurnOld
202459	2017-08-10	KieranTompkins	682.8	GPS	567717	7057094	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
202460	2017-08-10	KieranTompkins	663.4	GPS	567757	7057146	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
202461	2017-08-10	KieranTompkins	652.4	GPS	567782	7057187	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	BurnOld
202462	2017-08-10	KieranTompkins	635.3	GPS	567813	7057228	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	35	Dry	Good	BurnOld
202463	2017-08-10	KieranTompkins	613.1	GPS	567828	7057266	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	60	Moist	Poor	BurnOld
202464	2017-08-10	KieranTompkins	583.4	GPS	567858	7057308	UTMZ7N_WGS84	Soil	BrownLight	Silt	SteepNE	C	30	Dry	Poor	BurnOld

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202465	2017-08-10	KieranTompkins	551.4	GPS	567887	7057360	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	BurnOld
203310	2017-08-08	BrendanMcCauley	933.3	GPS	567613	7055225	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Excellent	ForestMixed
203311	2017-08-08	BrendanMcCauley	934.6	GPS	567601	7055285	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	50	Dry	Good	ForestMixed
203312	2017-08-08	BrendanMcCauley	938.2	GPS	567586	7055329	UTMZ7N_WGS84	Soil	Brown	Silt	Flat	C	25	Dry	Good	ForestMixed
203313	2017-08-08	BrendanMcCauley	935.4	GPS	567573	7055377	UTMZ7N_WGS84	Colluvium	Brown	Silt	Flat	C	45	Dry	Good	BurnOld
203314	2017-08-08	BrendanMcCauley	930.5	GPS	567557	7055420	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	30	Dry	Excellent	ForestMixed
203315	2017-08-08	BrendanMcCauley	923.7	GPS	567539	7055473	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
203316	2017-08-08	BrendanMcCauley	920.6	GPS	567524	7055518	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Excellent	BurnOld
203317	2017-08-08	BrendanMcCauley	916.6	GPS	567512	7055567	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Excellent	BurnOld
203318	2017-08-08	BrendanMcCauley	912.2	GPS	567500	7055613	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	30	Dry	Good	ForestMixed
203319	2017-08-08	BrendanMcCauley	907	GPS	567480	7055658	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
203320	2017-08-08	BrendanMcCauley	901.5	GPS	567467	7055711	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Excellent	BurnOld
203321	2017-08-08	BrendanMcCauley	902.2	GPS	567452	7055757	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Excellent	BurnOld
203322	2017-08-08	BrendanMcCauley	907.3	GPS	567438	7055803	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	BurnOld
203323	2017-08-08	BrendanMcCauley	911.4	GPS	567421	7055838	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
203324	2017-08-08	BrendanMcCauley	901	GPS	567403	7055896	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Good	BurnOld
203325	2017-08-08	BrendanMcCauley	900.1	GPS	567387	7055948	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	25	Dry	Good	ForestMixed
203326	2017-08-08	BrendanMcCauley	896.3	GPS	567377	7055996	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
203327	2017-08-08	BrendanMcCauley	885.8	GPS	567360	7056041	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	25	Dry	Good	BurnOld
203328	2017-08-08	BrendanMcCauley	881.2	GPS	567347	7056088	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
203329	2017-08-08	BrendanMcCauley	870.1	GPS	567340	7056138	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepN	C	45	Dry	Excellent	BurnOld
203330	2017-08-08	BrendanMcCauley	854.1	GPS	567316	7056184	UTMZ7N_WGS84	Colluvium	Brown	Sand	SteepN	C	50	Dry	Excellent	ForestMixed
203331	2017-08-08	BrendanMcCauley	856.5	GPS	567411	7056213	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Good	ForestMixed
203332	2017-08-08	BrendanMcCauley	868	GPS	567425	7056170	UTMZ7N_WGS84	Colluvium	Brown	Sand	ModerateNE	C	40	Dry	Excellent	BurnOld
203333	2017-08-08	BrendanMcCauley	871.1	GPS	567440	7056121	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	BurnOld
203334	2017-08-08	BrendanMcCauley	880.6	GPS	567458	7056070	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	45	Dry	Good	ForestMixed
203335	2017-08-08	BrendanMcCauley	883.9	GPS	567475	7056021	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Moist	Excellent	BurnOld
203336	2017-08-08	BrendanMcCauley	881.8	GPS	567495	7055975	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Excellent	BurnOld
203337	2017-08-08	BrendanMcCauley	884.4	GPS	567504	7055931	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepNE	C	40	Dry	Good	ForestMixed
203338	2017-08-08	BrendanMcCauley	879	GPS	567520	7055886	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNE	C	40	Dry	Excellent	ForestMixed
203339	2017-08-08	BrendanMcCauley	882.6	GPS	567535	7055835	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
203340	2017-08-08	BrendanMcCauley	880.3	GPS	567551	7055785	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
203341	2017-08-08	BrendanMcCauley	881.1	GPS	567567	7055741	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
203342	2017-08-08	BrendanMcCauley	889.6	GPS	567581	7055696	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	BurnOld
203343	2017-08-08	BrendanMcCauley	891.1	GPS	567593	7055648	UTMZ7N_WGS84	Colluvium	Brown	Silt	SteepE	C	40	Dry	Excellent	BurnOld
203344	2017-08-08	BrendanMcCauley	901.1	GPS	567613	7055598	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	30	Dry	Good	BurnOld

Appendix B - Soil Sample Locations and Descriptions

Sample	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203345	2017-08-08	BrendanMcCauley	908.7	GPS	567623	7055548	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
203346	2017-08-08	BrendanMcCauley	913.3	GPS	567640	7055502	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
203347	2017-08-08	BrendanMcCauley	916.8	GPS	567647	7055453	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	BurnOld
203348	2017-08-08	BrendanMcCauley	919.9	GPS	567669	7055408	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
203349	2017-08-08	BrendanMcCauley	924.6	GPS	567683	7055357	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateE	C	40	Dry	Excellent	ForestMixed
203350	2017-08-08	BrendanMcCauley	925.7	GPS	567694	7055309	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
203351	2017-08-08	BrendanMcCauley	926	GPS	567715	7055263	UTMZ7N_WGS84	Colluvium	Brown	Silt	ModerateNE	C	40	Dry	Good	ForestMixed
203352	2017-08-09	BrendanMcCauley	786.6	GPS	566863	7054981	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	BurnOld
203353	2017-08-09	BrendanMcCauley	814.5	GPS	566849	7055040	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	30	Dry	Good	ForestMixed
203354	2017-08-09	BrendanMcCauley	827.5	GPS	566814	7055121	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	30	Dry	Excellent	ForestMixed
203355	2017-08-09	BrendanMcCauley	827.9	GPS	566830	7055087	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	35	Dry	Good	ForestMixed
203356	2017-08-09	BrendanMcCauley	832	GPS	566795	7055182	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Good	ForestMixed
203357	2017-08-09	BrendanMcCauley	835.1	GPS	566779	7055229	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Good	BurnOld
203358	2017-08-09	BrendanMcCauley	838.3	GPS	566764	7055279	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
203359	2017-08-09	BrendanMcCauley	836.1	GPS	566748	7055318	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Excellent	ForestMixed
203360	2017-08-09	BrendanMcCauley	830.3	GPS	566738	7055367	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	45	Dry	Excellent	BurnOld
203361	2017-08-09	BrendanMcCauley	820.8	GPS	566722	7055413	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateNW	C	40	Dry	Excellent	ForestMixed
203362	2017-08-09	BrendanMcCauley	812.4	GPS	566702	7055472	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
203363	2017-08-09	BrendanMcCauley	811.3		566678	7055510	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	35	Dry	Good	ForestMixed
203364	2017-08-09	BrendanMcCauley	807.7	GPS	566671	7055559	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed
203365	2017-08-09	BrendanMcCauley	791.9	GPS	566656	7055599	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	30	Dry	Good	ForestMixed
203366	2017-08-09	BrendanMcCauley	792.5	GPS	566655	7055646	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	35	Dry	Good	ForestMixed
203367	2017-08-09	BrendanMcCauley	813.2	GPS	566632	7055695	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Excellent	ForestMixed
203368	2017-08-09	BrendanMcCauley	837.8	GPS	566614	7055746	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203369	2017-08-09	BrendanMcCauley	856	GPS	566602	7055797	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Excellent	ForestMixed
203370	2017-08-09	BrendanMcCauley	853	GPS	566583	7055845	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	42	Dry	Excellent	ForestMixed
203371	2017-08-09	BrendanMcCauley	859.4	GPS	566572	7055883	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Good	ForestMixed
203372	2017-08-09	BrendanMcCauley	861.3	GPS	566552	7055936	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	35	Dry	Good	ForestMixed
203373	2017-08-09	BrendanMcCauley	865.9	GPS	566654	7055963	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203374	2017-08-09	BrendanMcCauley	876.9	GPS	566669	7055927	UTMZ7N_WGS84	Soil	Brown	Silt	SteepW	C	40	Dry	Excellent	ForestMixed
203375	2017-08-09	BrendanMcCauley	877.4	GPS	566683	7055872	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
203376	2017-08-09	BrendanMcCauley	868.4	GPS	566699	7055830	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Good	ForestMixed
203377	2017-08-09	BrendanMcCauley	854.5	GPS	566705	7055773	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203378	2017-08-09	BrendanMcCauley	835.5	GPS	566716	7055733	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Excellent	ForestMixed
203379	2017-08-09	BrendanMcCauley	820.9	GPS	566744	7055687	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Good	ForestMixed
203380	2017-08-09	BrendanMcCauley	820.5	GPS	566760	7055625	UTMZ7N_WGS84	Soil	Brown	Silt	Drainage	C	40	Dry	Excellent	ForestMixed

Appendix B - Soil Sample Locations and Descriptions

Sample	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203381	2017-08-09	BrendanMcCauley	825.8	GPS	566787	7055592	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed
203382	2017-08-09	BrendanMcCauley	830.1	GPS	566797	7055546	UTMZ7N_WGS84	Soil	Brown	Silt	SteepN	C	40	Dry	Excellent	ForestMixed
203383	2017-08-09	BrendanMcCauley	833.9	GPS	566808	7055494	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	BurnOld
203384	2017-08-09	BrendanMcCauley	842.9	GPS	566821	7055448	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	30	Dry	Good	ForestMixed
203385	2017-08-09	BrendanMcCauley	847.3	GPS	566839	7055401	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Good	ForestMixed
203386	2017-08-09	BrendanMcCauley	850.5	GPS	566854	7055347	UTMZ7N_WGS84	Soil	Brown	Silt	SteepE	C	40	Dry	Excellent	ForestMixed
203387	2017-08-09	BrendanMcCauley	853.8	GPS	566869	7055306	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	35	Dry	Good	ForestMixed
203388	2017-08-09	BrendanMcCauley	856.4	GPS	566882	7055257	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateW	C	40	Dry	Excellent	ForestMixed
203389	2017-08-09	BrendanMcCauley	854.7	GPS	566901	7055214	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Excellent	ForestMixed
203390	2017-08-09	BrendanMcCauley	845.6	GPS	566910	7055161	UTMZ7N_WGS84	Soil	Brown	Silt	SteepS	C	40	Dry	Good	ForestMixed
203391	2017-08-09	BrendanMcCauley	834.2	GPS	566930	7055114	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateN	C	40	Dry	Excellent	ForestMixed
203392	2017-08-09	BrendanMcCauley	826.5	GPS	566958	7055071	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	30	Dry	Good	ForestMixed
203393	2017-08-09	BrendanMcCauley	819.8	GPS	566960	7055038	UTMZ7N_WGS84	Soil	Brown	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
203394	2017-08-10	BrendanMcCauley	894	GPS	566760	7056095	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203395	2017-08-10	BrendanMcCauley	879.3	GPS	566774	7056143	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	BurnOld
203396	2017-08-10	BrendanMcCauley	865	GPS	566791	7056191	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203397	2017-08-10	BrendanMcCauley	859.6	GPS	566801	7056245	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Moist	Good	ForestMixed
203398	2017-08-10	BrendanMcCauley	849.2	GPS	566805	7056291	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	ForestMixed
203399	2017-08-10	BrendanMcCauley	830	GPS	566816	7056350	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203400	2017-08-10	BrendanMcCauley	812.1	GPS	566830	7056421	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	45	Dry	Good	ForestMixed
203401	2017-08-10	BrendanMcCauley	800.4	GPS	566841	7056473	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	ForestMixed
203402	2017-08-10	BrendanMcCauley	789.1	GPS	566863	7056527	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203404	2017-08-10	BrendanMcCauley	765.7	GPS	566864	7056577	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203405	2017-08-10	BrendanMcCauley	753.8	GPS	566876	7056618	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203406	2017-08-10	BrendanMcCauley	741.6	GPS	566887	7056688	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203407	2017-08-10	BrendanMcCauley	742.2	GPS	566898	7056729	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203408	2017-08-10	BrendanMcCauley	740.4	GPS	566910	7056778	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	50	Dry	Good	ForestMixed
203409	2017-08-10	BrendanMcCauley	720.5	GPS	566922	7056834	UTMZ7N_WGS84	Soil		Silt	Ridge	C	45	Dry	Good	ForestMixed
203410	2017-08-10	BrendanMcCauley	721.6	GPS	566940	7056889	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203411	2017-08-10	BrendanMcCauley	727.1	GPS	566941	7056927	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203412	2017-08-10	BrendanMcCauley	716.2	GPS	566970	7056972	UTMZ7N_WGS84	Soil	BrownDark	Silt	Ridge	C	30	Dry	Good	ForestMixed
203413	2017-08-10	BrendanMcCauley	713.3	GPS	566964	7057020	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203414	2017-08-10	BrendanMcCauley	709	GPS	566965	7057078	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed
203415	2017-08-10	BrendanMcCauley	701.6	GPS	567006	7057131	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Excellent	ForestMixed
203416	2017-08-10	BrendanMcCauley	697.7	GPS	566994	7057168	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	35	Dry	Good	ForestMixed
203417	2017-08-10	BrendanMcCauley	695.8	GPS	567000	7057234	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed

Appendix B - Soil Sample Locations and Descriptions

Sample	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	SampleType	S_Colour	S_Texture	S_Terrain	Horizon	Depth	S_Moisture	S_Quality	S_Vegetation
203418	2017-08-10	BrendanMcCauley	677.8	GPS	567018	7057287	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Good	ForestMixed
203419	2017-08-10	BrendanMcCauley	679.9	GPS	567038	7057341	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	30	Dry	Excellent	ForestMixed
203420	2017-08-10	BrendanMcCauley	667.2	GPS	567066	7057385	UTMZ7N_WGS84	Soil	Brown	Silt	Ridge	C	40	Dry	Good	ForestMixed

Appendix B - Rock Locations and Descriptions

SampleNum	SampleType	SampleDate	Sampler	Elevation	SurveyType	Easting	Northing	EastNorthDatum	R_SampleType	R_SampleWidth	R_Lithology	R_LithModifier	R_LithModifier2	R_Colour
200814	Rock	2017-07-28	MartyHuber	577	GPS	572459.27	7046793.71	UTMZ7N_WGS84	ProspectPitGrab	1	VeinQuartz	Massive		White
200815	Rock	2017-07-28	MartyHuber	580.4	GPS	572424.72	7046306.39	UTMZ7N_WGS84	FloatGrab	1	Quartzite	Foliated	QuartzVein	Grey
200816	Rock	2017-07-28	MartyHuber	578.3	GPS	572448.25	7046312.5	UTMZ7N_WGS84	FloatGrab	1	Quartzite			Grey
200817	Rock	2017-07-28	MartyHuber	578.1	GPS	572446.99	7046311.13	UTMZ7N_WGS84	FloatGrab		Mafic	Foliated	Chloritic	Green
200818	Rock	2017-07-28	MartyHuber	584.8	GPS	572473.46	7046323.89	UTMZ7N_WGS84	FloatGrab	1	VeinQuartz	Disseminated		White
200842	Rock	2017-08-06	MartyHuber	583.8	GPS	573107.66	7046446.07	UTMZ7N_WGS84	ProspectPitGrab	1	Quartzite	Foliated	Muscovite	White
200843	Rock	2017-08-06	MartyHuber	585.5	GPS	573152.79	7046390.71	UTMZ7N_WGS84	ProspectPitGrab	1	VeinQuartz	Massive		White
200844	Rock	2017-08-06	MartyHuber	558.7	GPS	573366.38	7046456.37	UTMZ7N_WGS84	ProspectPitGrab	1	Quartzite	Massive		White
200845	Rock	2017-08-06	MartyHuber	550.7	Survey	572748.86	7046401.29	UTMZ7N_WGS84	ProspectPitGrab	1	Mafic	Foliated	Quartz	Green
203900	Rock	2017-07-24	DylanWales	939.4	GPS	567630.84	7055406.94	UTMZ7N_WGS84	FloatGrab	1	Gneiss	Biotitic	Foliated	Grey
203901	Rock	2017-07-24	DylanWales	942.2	GPS	567639.63	7055213.3	UTMZ7N_WGS84	OutcropGrab	1	Granite	Discordant	Biotitic	Pink
203902	Rock	2017-07-24	DylanWales	943.3	GPS	567639.44	7055212.96	UTMZ7N_WGS84	OutcropGrab	1	Gneiss	QuartzVein		Grey
203978	Rock	2017-07-28	DylanWales	573.2	GPS	572459.01	7046790.14	UTMZ7N_WGS84	ProspectPitGrab	1	Gneiss	Micaceous	Siliceous	Black

Appendix B - Rock Locations and Descriptions

SampleNum	R_Oxidation	R_AltType	R_AltStyle	R_AltIntensity	R_AltSecType	R_AltSecStyle	R_AltSecIntensity	R_AltMin1	R_AltMin1Percent
200814									
200815		Silicification		Intense					
200816		Silicification		Intense	Pyritization	Disseminated	Weak	Pyrite	1
200817		Propylitic		Moderate	Sulphidation	Patchy	Weak	Pyrite	1
200818									
200842									
200843									
200844									
200845		Carbonization	Fracture	Weak	Oxidized	Pervasive	Weak		
203900									
203901	Oxidized	Sulphidation	Disseminated	Weak				Pyrite	1
203902	Oxidized	Sulphidation	Patchy	Weak				Pyrite	1
203978		Silicification	Pervasive	Moderate				Hematite	1

Appendix B - Rock Locations and Descriptions

SampleNum	R_Comments
200814	5 foot hand dug pit. Siliceous orthogneiss bedrock. sample taken from quartz float throughout pit
200815	qtzite w foliation similar to orthogneiss found in the area
200816	diss euhedral py and other copper coloured sulphide, possibly just tarnished
200817	meta igneous mafic volcanic w patchy <1% anhedral py. propylitic alt. found in e flowing stream
200818	anhedral pyrite oxydized in quartz viens within mafic extrusive
200842	white to grey weathered orange on edge fine to medium quartz grains strong foliation with weak muscovite grains trace weathered sulfides taken from hand dug pit 1.5m
200843	quartz float from prospecting pit. appears barren
200844	milky white quartzite from 1m in prospecting pit. appears to be thin layer ontop of weathered bedrock. minor green alteration in some chunks of float.
200845	dark green fine grained with medium grained prysmatic hornblend crystals in random orientation strong foliation with less than 1cm quartz viens parallel some carbonate and oxidation throughout highly deformed, late crenulation cleavage effecting f
203900	orthogneiss, CG, qtz eyes, anhedral oxidized sulfide patch <1% float on NE slope
203901	contact orthogneiss w granite, dis. sulfide in granite
203902	
203978	sample from pit dug to depth of 5ft into weathered horizon of fragmented orthogneiss bedrock w qtz vein

Appendix C- Analytical 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 15, 2017
Report Date: September 12, 2017
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI17000603.1

CLIENT JOB INFORMATION

Project: LuckyJoe
Shipment ID:
P.O. Number
Number of Samples: 327

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	327	Dry at 60C			WHI
SS80	327	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	327	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	327	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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 VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

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

Project: LuckyJoe
Report Date: September 12, 2017

CERTIFICATE OF ANALYSIS WHI17000603.1

		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
202395	Soil		0.8	14.5	7.7	47	0.1	11.5	5.7	163	2.02	5.3	2.0	1.4	22	<0.1	0.3	0.1	52	0.21	0.031	11
202361	Soil		0.6	21.5	4.7	131	<0.1	11.6	11.0	562	4.31	4.6	0.9	2.1	64	0.2	0.2	<0.1	85	0.38	0.123	5
202372	Soil		0.5	16.9	5.7	49	<0.1	12.0	7.3	196	2.21	4.0	2.6	2.4	30	<0.1	0.3	<0.1	61	0.26	0.030	8
202359	Soil		0.7	16.5	6.4	52	<0.1	11.8	7.4	237	2.54	5.1	1.5	4.2	28	<0.1	0.3	0.1	64	0.36	0.043	15
202385	Soil		0.7	16.1	5.9	64	0.1	11.1	6.6	244	2.46	5.4	2.0	2.7	49	<0.1	0.3	0.1	70	0.42	0.035	10
202398	Soil		0.8	21.0	7.6	62	<0.1	12.3	8.6	267	3.24	6.3	0.9	4.7	22	<0.1	0.4	0.1	74	0.23	0.048	15
202397	Soil		0.7	16.2	7.2	56	<0.1	14.7	7.9	273	2.56	5.6	1.9	5.4	30	<0.1	0.4	0.1	59	0.29	0.036	18
202367	Soil		0.5	20.9	6.3	63	<0.1	13.5	7.9	208	2.31	5.1	3.9	3.8	38	0.1	0.4	0.1	58	0.36	0.071	15
202391	Soil		0.7	26.2	4.9	75	<0.1	11.2	9.4	294	2.98	4.4	5.4	4.4	55	0.1	0.3	<0.1	69	0.52	0.109	17
202363	Soil		0.6	18.4	5.5	70	<0.1	10.2	7.8	302	2.73	3.4	14.7	3.9	33	<0.1	0.2	<0.1	59	0.25	0.040	11
202358	Soil		0.6	19.3	6.2	68	<0.1	14.0	10.1	293	3.06	5.5	0.9	3.9	38	0.1	0.4	0.1	73	0.27	0.054	10
202378	Soil		0.4	17.8	4.4	35	<0.1	18.4	9.4	174	2.06	4.7	1.3	1.9	55	<0.1	0.3	<0.1	55	0.36	0.022	6
202381	Soil		0.6	21.0	6.9	49	<0.1	14.5	8.4	200	2.47	5.9	2.1	3.4	31	<0.1	0.3	0.1	67	0.28	0.045	11
202390	Soil		0.6	25.3	5.6	68	<0.1	10.9	9.2	268	2.92	4.3	18.7	4.0	52	<0.1	0.3	<0.1	74	0.52	0.085	15
202362	Soil		0.6	24.4	5.1	95	<0.1	9.3	9.8	591	3.45	3.5	<0.5	2.9	42	<0.1	0.2	<0.1	77	0.47	0.101	8
203322	Soil		0.8	12.9	8.7	42	<0.1	12.8	7.1	216	2.48	7.7	1.4	3.5	24	<0.1	0.4	0.2	64	0.18	0.025	12
203331	Soil		0.4	41.9	4.7	72	<0.1	13.3	11.7	321	3.04	3.0	<0.5	2.1	88	<0.1	0.3	<0.1	83	0.78	0.117	9
203347	Soil		0.6	17.3	7.9	51	<0.1	17.1	8.5	286	2.57	6.9	1.1	4.3	21	<0.1	0.4	0.1	62	0.24	0.030	16
203311	Soil		1.0	16.2	10.4	70	<0.1	18.0	9.8	314	3.48	9.9	1.2	6.7	15	0.1	0.6	0.2	81	0.14	0.040	11
203334	Soil		0.8	37.2	8.7	66	<0.1	24.6	14.4	403	3.01	10.2	2.8	7.2	26	<0.1	0.7	0.2	63	0.20	0.028	19
203328	Soil		0.6	15.9	7.6	65	<0.1	12.8	7.7	228	2.70	7.3	0.6	5.1	31	<0.1	0.3	0.1	64	0.27	0.044	17
203337	Soil		0.4	20.6	4.6	65	<0.1	10.8	11.3	333	2.98	3.9	<0.5	2.9	53	<0.1	0.2	<0.1	80	0.68	0.112	9
203326	Soil		1.0	19.2	7.1	56	0.1	9.9	5.6	178	2.37	4.5	<0.5	2.3	48	0.1	0.2	0.1	62	0.30	0.041	23
203333	Soil		0.8	35.8	8.8	63	<0.1	21.7	11.0	281	3.08	9.7	2.0	4.6	39	<0.1	0.5	0.2	69	0.33	0.059	12
203325	Soil		0.8	17.3	8.7	50	<0.1	17.5	8.7	233	2.78	8.8	<0.5	4.7	22	<0.1	0.5	0.2	63	0.18	0.024	12
203329	Soil		0.6	13.8	5.7	78	<0.1	9.2	8.1	259	3.03	5.1	<0.5	3.9	47	<0.1	0.3	<0.1	76	0.31	0.059	11
203340	Soil		0.6	18.2	7.7	63	0.1	14.6	7.1	266	2.37	6.1	0.8	4.0	32	<0.1	0.4	0.1	56	0.36	0.058	18
203348	Soil		0.8	17.8	6.4	72	<0.1	15.6	9.6	383	2.89	5.4	1.2	7.0	26	<0.1	0.4	0.1	61	0.30	0.050	25
203343	Soil		0.6	11.4	6.2	67	<0.1	9.9	6.9	215	2.45	4.4	17.1	4.5	30	<0.1	0.3	<0.1	59	0.28	0.050	13
203339	Soil		0.5	14.1	6.6	48	<0.1	13.9	6.2	179	2.19	6.7	2.1	3.4	28	<0.1	0.4	0.1	54	0.23	0.024	12

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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	Tl	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
202395	Soil		21	0.43	203	0.068	2	1.47	0.011	0.06	<0.1	0.03	2.4	0.1	<0.05	6	<0.5	<0.2
202361	Soil		22	1.32	377	0.254	3	2.82	0.017	0.43	0.1	0.01	3.8	0.2	<0.05	10	<0.5	<0.2
202372	Soil		25	0.60	182	0.116	2	1.60	0.013	0.06	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
202359	Soil		23	0.56	356	0.074	1	1.66	0.011	0.04	0.2	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
202385	Soil		21	0.66	215	0.129	<1	1.50	0.014	0.06	0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
202398	Soil		24	0.61	291	0.101	<1	2.01	0.009	0.09	0.2	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
202397	Soil		25	0.55	233	0.096	<1	1.69	0.011	0.06	0.1	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
202367	Soil		24	0.51	237	0.088	<1	1.49	0.017	0.06	0.2	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
202391	Soil		20	0.71	359	0.114	<1	1.79	0.020	0.21	0.2	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
202363	Soil		19	0.72	259	0.140	<1	1.91	0.013	0.20	<0.1	<0.01	2.9	0.1	<0.05	7	<0.5	<0.2
202358	Soil		25	0.78	223	0.146	<1	1.99	0.012	0.13	0.2	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
202378	Soil		48	0.81	119	0.101	<1	1.92	0.016	0.04	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
202381	Soil		25	0.63	188	0.113	1	1.90	0.014	0.08	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
202390	Soil		22	0.70	298	0.107	<1	1.83	0.019	0.11	0.2	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
202362	Soil		16	0.97	302	0.182	1	2.13	0.017	0.29	<0.1	0.02	4.3	0.2	<0.05	9	<0.5	<0.2
203322	Soil		30	0.43	220	0.070	<1	1.68	0.009	0.05	0.2	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
203331	Soil		27	0.99	184	0.139	1	2.11	0.033	0.08	0.2	0.03	4.6	<0.1	<0.05	8	<0.5	<0.2
203347	Soil		28	0.49	220	0.095	<1	1.77	0.010	0.09	0.1	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
203311	Soil		32	0.54	190	0.100	<1	2.66	0.010	0.13	0.1	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
203334	Soil		36	0.58	278	0.095	2	2.57	0.014	0.05	0.2	0.04	7.2	0.1	<0.05	5	<0.5	<0.2
203328	Soil		24	0.62	253	0.097	<1	1.93	0.011	0.08	0.1	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
203337	Soil		22	0.93	313	0.174	<1	2.10	0.017	0.22	0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
203326	Soil		17	0.48	437	0.109	1	1.58	0.013	0.09	<0.1	0.03	2.6	0.1	<0.05	7	<0.5	<0.2
203333	Soil		34	0.69	252	0.095	3	2.26	0.019	0.09	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
203325	Soil		29	0.52	218	0.089	1	2.02	0.011	0.06	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
203329	Soil		20	0.76	248	0.121	<1	2.05	0.010	0.15	<0.1	0.01	3.1	0.1	<0.05	8	<0.5	<0.2
203340	Soil		24	0.49	313	0.076	<1	1.77	0.012	0.07	0.2	0.04	4.1	<0.1	<0.05	6	<0.5	<0.2
203348	Soil		24	0.70	245	0.137	<1	1.89	0.012	0.22	0.1	0.01	4.4	0.2	<0.05	7	<0.5	<0.2
203343	Soil		20	0.48	223	0.110	1	1.68	0.011	0.10	0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
203339	Soil		24	0.45	199	0.081	<1	1.40	0.011	0.05	0.1	0.02	3.1	<0.1	<0.05	5	<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
201466	Soil	1.0	18.4	9.5	40	<0.1	14.5	6.5	215	2.48	7.6	2.4	3.9	20	<0.1	0.5	0.2	57	0.17	0.017	15
201460	Soil	0.9	11.8	9.5	66	<0.1	15.1	10.4	710	2.94	7.3	1.1	2.1	22	<0.1	0.6	0.2	70	0.17	0.045	9
201455	Soil	0.5	10.8	5.4	74	<0.1	9.7	7.6	284	2.69	4.7	<0.5	4.7	25	<0.1	0.3	<0.1	59	0.30	0.062	13
201467	Soil	0.8	19.3	9.0	47	<0.1	19.3	9.1	251	2.67	8.9	1.4	4.7	22	<0.1	0.6	0.1	61	0.18	0.015	16
201473	Soil	0.6	12.9	5.4	69	<0.1	10.4	7.0	375	2.42	3.9	41.9	5.9	34	<0.1	0.3	<0.1	54	0.44	0.071	20
201468	Soil	0.9	14.4	8.9	80	<0.1	16.9	10.3	354	3.23	8.6	<0.5	5.2	15	<0.1	0.6	0.2	73	0.12	0.031	8
201454	Soil	0.5	12.6	5.6	82	0.2	7.5	7.3	457	2.58	3.5	86.2	5.2	24	<0.1	0.2	0.1	57	0.26	0.045	17
201464	Soil	0.5	14.6	6.9	46	<0.1	15.2	7.8	202	2.38	6.7	0.7	3.6	27	<0.1	0.4	0.1	57	0.19	0.021	11
201462	Soil	0.8	14.8	8.1	84	<0.1	15.4	9.3	364	3.23	8.4	<0.5	2.8	32	<0.1	0.4	0.1	76	0.18	0.054	9
201472	Soil	0.9	20.4	7.7	47	0.1	17.0	8.4	811	2.68	5.6	0.8	6.0	33	<0.1	0.4	0.1	67	0.33	0.033	69
201434	Soil	0.7	15.3	7.5	128	<0.1	13.7	10.6	1252	3.35	4.3	<0.5	4.7	31	0.1	0.3	0.1	70	0.25	0.085	8
201463	Soil	0.9	17.1	8.4	60	<0.1	15.5	8.5	264	3.09	8.3	1.3	4.6	25	<0.1	0.6	0.1	70	0.15	0.023	11
201448	Soil	0.7	12.5	7.2	98	<0.1	11.2	9.1	282	3.68	7.6	<0.5	3.0	36	0.1	0.4	0.1	87	0.20	0.035	8
203320	Soil	0.6	14.6	8.1	56	<0.1	12.4	6.9	220	2.74	7.0	0.8	4.5	24	<0.1	0.3	0.1	65	0.25	0.032	14
201459	Soil	1.0	36.1	8.2	126	<0.1	11.5	11.7	407	4.56	9.4	<0.5	9.9	24	0.1	0.5	0.1	82	0.16	0.031	10
203321	Soil	0.6	14.1	6.8	69	<0.1	13.7	7.1	241	2.59	5.1	2.5	4.3	26	<0.1	0.4	0.1	59	0.28	0.039	11
203327	Soil	0.7	12.3	7.7	53	<0.1	13.3	7.2	193	2.54	7.5	3.0	3.6	28	<0.1	0.3	0.2	64	0.23	0.032	14
203346	Soil	0.4	21.9	6.9	58	<0.1	15.0	7.2	244	2.42	5.9	1.7	5.5	33	<0.1	0.5	0.1	57	0.32	0.039	20
203324	Soil	0.6	40.0	6.7	71	<0.1	19.7	11.1	278	3.35	6.8	0.6	5.1	39	<0.1	0.4	0.1	79	0.35	0.040	15
203323	Soil	0.8	15.9	8.8	58	<0.1	17.2	9.2	262	3.26	10.7	<0.5	3.0	22	<0.1	0.6	0.2	74	0.16	0.039	9
203318	Soil	0.8	28.3	10.6	62	0.3	15.7	6.6	293	2.79	4.9	0.6	3.2	42	0.1	0.3	0.2	55	0.37	0.059	23
203330	Soil	0.7	29.1	6.2	105	<0.1	11.6	11.5	420	3.54	4.0	<0.5	3.5	119	0.1	0.2	<0.1	90	0.54	0.095	15
203335	Soil	1.0	11.0	10.1	45	<0.1	10.9	5.5	188	3.13	8.6	1.7	3.5	18	<0.1	0.5	0.2	81	0.13	0.038	11
203310	Soil	0.9	11.6	9.5	93	<0.1	14.3	10.0	459	3.44	8.2	0.5	4.7	17	0.1	0.5	0.2	84	0.16	0.045	10
203351	Soil	0.3	14.8	4.4	140	<0.1	8.6	11.7	577	4.16	2.1	<0.5	9.4	22	<0.1	0.2	<0.1	83	0.22	0.039	13
201435	Soil	1.4	17.8	10.0	66	<0.1	21.4	11.6	338	3.27	10.7	1.3	4.5	17	<0.1	0.7	0.2	73	0.15	0.043	10
203342	Soil	0.6	13.2	7.1	71	<0.1	9.4	6.8	233	2.83	5.3	1.2	4.4	35	<0.1	0.3	0.1	69	0.28	0.040	17
203314	Soil	0.7	12.9	6.3	88	<0.1	8.8	8.9	425	3.60	5.6	<0.5	5.8	18	<0.1	0.4	<0.1	71	0.15	0.024	7
202448	Soil	0.6	39.1	5.6	79	0.1	15.6	10.5	272	2.83	3.8	2.1	3.8	63	0.1	0.3	<0.1	70	0.77	0.085	14
202452	Soil	0.5	21.7	6.1	47	<0.1	15.1	8.3	194	2.25	4.9	1.2	3.1	33	<0.1	0.3	<0.1	56	0.40	0.052	13

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	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
201466	Soil	29	0.37	214	0.063	<1	1.78	0.009	0.04	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
201460	Soil	27	0.39	266	0.059	1	1.83	0.009	0.07	0.1	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
201455	Soil	19	0.62	207	0.096	1	1.91	0.009	0.09	0.1	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
201467	Soil	34	0.46	255	0.070	1	2.01	0.010	0.04	0.1	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
201473	Soil	19	0.56	236	0.103	<1	1.43	0.012	0.16	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
201468	Soil	29	0.65	214	0.108	<1	2.59	0.008	0.18	0.1	0.02	3.3	0.2	<0.05	8	<0.5	<0.2
201454	Soil	16	0.48	220	0.110	2	1.71	0.010	0.18	0.1	0.03	3.3	0.1	<0.05	8	<0.5	<0.2
201464	Soil	24	0.43	149	0.092	2	1.87	0.010	0.04	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
201462	Soil	25	0.77	231	0.111	<1	2.44	0.009	0.16	0.1	0.01	2.6	0.1	<0.05	8	<0.5	<0.2
201472	Soil	26	0.42	326	0.083	2	2.13	0.012	0.07	0.2	0.05	6.3	0.1	<0.05	7	<0.5	<0.2
201434	Soil	22	0.74	433	0.131	<1	2.28	0.012	0.40	<0.1	0.02	3.3	0.2	<0.05	10	<0.5	<0.2
201463	Soil	29	0.55	211	0.115	1	2.06	0.009	0.14	0.1	0.01	2.9	0.1	<0.05	7	<0.5	<0.2
201448	Soil	21	0.79	200	0.152	<1	2.39	0.010	0.20	<0.1	0.02	2.7	0.1	<0.05	10	<0.5	<0.2
203320	Soil	26	0.44	215	0.092	1	2.07	0.010	0.06	0.1	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
201459	Soil	21	0.83	199	0.130	<1	2.84	0.006	0.30	<0.1	0.01	4.3	0.2	<0.05	10	<0.5	<0.2
203321	Soil	23	0.57	201	0.096	2	1.84	0.011	0.09	0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
203327	Soil	24	0.49	235	0.086	2	1.78	0.011	0.06	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
203346	Soil	28	0.54	282	0.102	<1	1.60	0.013	0.06	0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
203324	Soil	31	0.77	326	0.136	<1	2.16	0.017	0.10	<0.1	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
203323	Soil	33	0.57	196	0.085	2	2.29	0.010	0.07	0.1	0.01	3.1	0.1	<0.05	6	<0.5	<0.2
203318	Soil	28	0.41	346	0.102	<1	2.69	0.017	0.11	0.1	0.06	5.2	0.1	<0.05	9	<0.5	<0.2
203330	Soil	27	1.00	346	0.159	<1	2.33	0.023	0.30	<0.1	0.01	4.4	0.1	<0.05	10	<0.5	<0.2
203335	Soil	27	0.37	142	0.120	1	1.76	0.007	0.08	0.1	0.01	2.9	0.1	<0.05	9	<0.5	<0.2
203310	Soil	28	0.60	232	0.113	1	2.34	0.008	0.09	0.1	0.02	3.6	0.2	<0.05	9	<0.5	<0.2
203351	Soil	15	1.16	291	0.275	<1	2.69	0.007	0.68	<0.1	<0.01	5.5	0.4	<0.05	10	<0.5	<0.2
201435	Soil	36	0.53	271	0.087	2	2.58	0.009	0.12	0.1	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
203342	Soil	20	0.52	220	0.124	<1	2.08	0.013	0.08	<0.1	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
203314	Soil	18	0.82	199	0.187	<1	2.39	0.007	0.34	<0.1	0.01	3.2	0.3	<0.05	10	<0.5	<0.2
202448	Soil	29	0.84	291	0.131	<1	2.00	0.031	0.17	0.1	0.04	5.9	<0.1	<0.05	7	<0.5	<0.2
202452	Soil	25	0.46	196	0.083	2	1.47	0.019	0.05	0.1	<0.01	4.0	<0.1	<0.05	4	<0.5	<0.2

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Project: LuckyJoe
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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
203319	Soil	0.9	13.2	7.7	54	<0.1	12.8	6.8	213	2.73	7.5	1.1	3.7	21	<0.1	0.5	0.1	66	0.18	0.022	11
203336	Soil	0.8	22.7	7.2	55	<0.1	14.9	8.1	260	2.68	6.8	<0.5	4.2	42	<0.1	0.4	0.1	65	0.26	0.023	12
201453	Soil	0.5	15.3	6.9	111	<0.1	12.0	11.1	521	3.26	4.2	1.5	9.6	48	0.1	0.3	0.1	69	0.79	0.093	32
202450	Soil	0.6	28.3	6.7	55	0.1	13.8	8.2	189	2.49	4.8	0.9	3.0	36	<0.1	0.3	0.1	62	0.45	0.050	14
202455	Soil	1.0	18.0	9.9	53	<0.1	16.4	8.9	285	2.81	8.4	2.1	3.7	24	<0.1	0.5	0.2	69	0.25	0.029	11
201452	Soil	0.5	20.3	5.0	132	<0.1	8.5	10.2	400	3.47	3.0	<0.5	7.5	62	<0.1	0.2	<0.1	82	0.65	0.125	19
201449	Soil	0.6	22.5	7.2	82	<0.1	16.8	11.7	294	3.13	5.5	<0.5	4.4	52	<0.1	0.4	0.1	74	0.41	0.066	18
201450	Soil	0.8	15.4	8.3	78	0.1	13.2	8.9	331	3.11	6.7	2.8	5.3	56	<0.1	0.4	0.1	73	0.42	0.060	17
202463	Soil	0.8	14.4	7.4	47	<0.1	7.3	4.0	258	2.00	3.1	2.1	1.0	25	0.2	0.2	0.1	61	0.40	0.036	10
203404	Soil	0.8	13.6	8.0	60	<0.1	13.4	6.3	175	2.35	5.5	8.5	3.6	35	<0.1	0.3	0.1	60	0.40	0.045	14
202451	Soil	0.7	17.6	7.9	50	<0.1	13.8	7.8	171	2.47	6.4	1.7	3.5	30	<0.1	0.4	0.1	60	0.37	0.047	13
201533	Soil	0.5	27.4	8.2	72	0.1	15.4	11.4	524	2.48	3.7	1.4	3.1	59	0.3	0.4	0.1	57	0.90	0.061	20
202446	Soil	0.4	25.7	5.0	46	<0.1	19.8	11.3	228	2.28	4.0	7.3	2.1	52	<0.1	0.2	<0.1	64	0.40	0.059	6
202373	Soil	0.7	23.1	9.0	52	<0.1	17.9	8.9	276	2.74	7.2	3.9	5.1	39	<0.1	0.5	0.2	68	0.33	0.028	17
202389	Soil	0.7	28.0	9.0	73	0.2	18.6	10.6	279	2.85	8.1	2.2	5.4	38	0.3	0.7	0.2	68	0.37	0.085	24
202392	Soil	0.7	12.4	7.7	63	<0.1	12.9	7.4	284	2.81	7.7	3.3	3.6	24	<0.1	0.4	0.2	69	0.20	0.046	13
201534	Soil	0.7	25.5	8.6	65	<0.1	17.7	8.8	260	2.49	6.1	1.6	3.9	59	<0.1	0.5	0.1	61	0.57	0.071	16
202365	Soil	0.5	31.6	4.2	55	<0.1	14.9	9.7	271	2.62	4.2	<0.5	2.8	45	<0.1	0.2	<0.1	68	0.33	0.051	10
202364	Soil	0.5	20.0	6.4	70	<0.1	12.8	9.4	308	3.00	4.6	<0.5	4.4	41	<0.1	0.2	0.1	73	0.33	0.046	15
202370	Soil	0.8	34.7	8.9	75	0.1	28.7	12.0	426	2.73	9.3	2.1	3.7	54	0.3	0.8	0.2	61	1.15	0.071	15
201493	Soil	0.6	16.2	6.6	159	<0.1	13.7	13.8	457	4.84	6.2	<0.5	6.4	28	<0.1	0.4	0.1	97	0.23	0.019	17
201499	Soil	0.9	11.7	8.5	69	<0.1	17.4	9.6	640	2.77	8.1	<0.5	3.1	26	0.1	0.4	0.2	69	0.23	0.054	10
201481	Soil	0.5	21.5	8.2	50	<0.1	16.4	8.7	286	2.56	6.9	2.8	6.8	31	<0.1	0.7	0.1	60	0.30	0.024	24
201474	Soil	0.7	11.8	7.1	40	<0.1	14.2	6.3	260	2.13	6.4	6.8	2.9	20	<0.1	0.4	0.1	55	0.18	0.022	12
201477	Soil	1.0	15.1	9.0	62	<0.1	19.4	8.4	289	2.89	9.7	1.8	5.3	19	<0.1	0.6	0.2	66	0.13	0.029	11
201486	Soil	0.7	13.5	6.9	53	<0.1	12.6	7.7	286	2.30	5.9	1.7	4.1	31	<0.1	0.4	0.1	56	0.31	0.047	15
201498	Soil	0.9	12.0	8.2	65	<0.1	19.3	9.7	674	2.55	7.5	<0.5	3.6	30	0.2	0.6	0.2	66	0.25	0.026	10
201496	Soil	0.5	14.5	5.0	121	<0.1	11.7	11.5	447	3.84	5.0	<0.5	5.7	35	<0.1	0.4	<0.1	85	0.25	0.021	19
203364	Soil	1.1	9.6	6.8	70	<0.1	9.9	6.7	298	2.65	5.9	3.9	2.2	21	0.1	0.3	0.2	67	0.19	0.034	8
202405	Soil	0.8	15.5	8.3	55	<0.1	15.8	7.5	310	2.73	8.1	<0.5	4.4	30	<0.1	0.5	0.1	64	0.19	0.020	14

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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	Tl	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
203319	Soil	27	0.42	176	0.104	<1	2.05	0.010	0.05	0.1	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
203336	Soil	29	0.59	208	0.104	<1	1.93	0.013	0.06	0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
201453	Soil	22	0.80	354	0.139	1	1.96	0.015	0.22	0.1	0.03	5.6	0.2	<0.05	8	<0.5	<0.2
202450	Soil	26	0.50	201	0.107	2	1.68	0.022	0.06	0.2	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
202455	Soil	31	0.42	203	0.073	1	1.99	0.012	0.05	0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
201452	Soil	17	0.99	525	0.183	<1	2.24	0.017	0.49	<0.1	0.03	3.9	0.2	<0.05	10	<0.5	<0.2
201449	Soil	30	0.71	329	0.115	<1	2.21	0.014	0.13	0.1	0.01	3.9	0.1	<0.05	7	<0.5	<0.2
201450	Soil	27	0.63	288	0.120	<1	2.25	0.013	0.07	0.1	0.03	4.0	0.1	<0.05	8	<0.5	<0.2
202463	Soil	16	0.31	147	0.082	2	1.03	0.015	0.08	<0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
203404	Soil	26	0.48	255	0.091	2	1.70	0.013	0.05	0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
202451	Soil	26	0.46	192	0.092	<1	1.84	0.016	0.05	0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
201533	Soil	25	0.46	422	0.066	1	1.93	0.016	0.07	0.1	0.05	5.3	<0.1	<0.05	6	0.5	<0.2
202446	Soil	34	0.77	121	0.121	1	1.80	0.022	0.06	0.2	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
202373	Soil	32	0.59	321	0.095	<1	1.96	0.016	0.05	0.2	0.02	4.8	<0.1	<0.05	6	0.6	<0.2
202389	Soil	27	0.54	310	0.083	<1	1.81	0.021	0.07	0.2	0.06	5.1	<0.1	<0.05	5	<0.5	<0.2
202392	Soil	24	0.54	151	0.107	<1	1.83	0.009	0.08	0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
201534	Soil	27	0.58	339	0.090	<1	1.67	0.017	0.10	0.2	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
202365	Soil	32	0.77	200	0.137	<1	1.72	0.018	0.18	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
202364	Soil	24	0.77	310	0.142	<1	1.93	0.016	0.12	0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
202370	Soil	31	0.73	274	0.085	<1	1.48	0.032	0.08	0.3	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
201493	Soil	22	1.29	292	0.180	<1	3.46	0.008	0.18	<0.1	<0.01	4.0	0.3	<0.05	12	<0.5	<0.2
201499	Soil	29	0.51	271	0.074	<1	1.78	0.010	0.11	0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
201481	Soil	30	0.50	284	0.078	<1	1.76	0.014	0.05	0.1	0.02	6.6	<0.1	<0.05	5	<0.5	<0.2
201474	Soil	22	0.42	207	0.070	<1	1.38	0.012	0.06	0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
201477	Soil	33	0.56	200	0.081	<1	2.02	0.009	0.13	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
201486	Soil	24	0.47	249	0.066	<1	1.59	0.012	0.05	0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
201498	Soil	30	0.49	355	0.058	<1	1.86	0.010	0.05	0.1	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
201496	Soil	24	1.32	348	0.201	<1	2.81	0.009	0.32	<0.1	<0.01	5.8	0.2	<0.05	10	<0.5	<0.2
203364	Soil	19	0.53	169	0.087	<1	1.68	0.008	0.23	0.1	<0.01	2.6	0.2	<0.05	7	<0.5	<0.2
202405	Soil	29	0.54	205	0.075	<1	1.94	0.010	0.05	0.1	<0.01	3.2	<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
202411	Soil	1.0	15.3	8.3	65	0.1	14.5	8.1	330	3.29	8.0	1.9	6.0	27	<0.1	0.6	0.2	77	0.23	0.026	12
201478	Soil	0.8	16.8	8.2	57	<0.1	20.2	8.2	321	2.73	7.9	<0.5	4.9	16	<0.1	0.5	0.2	66	0.13	0.023	11
203362	Soil	0.6	11.8	5.9	52	<0.1	12.1	6.0	243	2.12	4.8	<0.5	3.7	28	<0.1	0.3	0.1	50	0.33	0.062	14
202424	Soil	0.7	13.6	6.8	93	<0.1	12.9	8.8	257	3.14	5.9	<0.5	4.6	37	<0.1	0.3	0.1	71	0.34	0.070	20
202403	Soil	0.5	39.3	5.2	94	<0.1	21.8	14.3	456	3.40	6.0	<0.5	3.6	53	<0.1	0.4	<0.1	91	0.22	0.042	6
202423	Soil	0.5	19.7	6.5	83	<0.1	14.8	9.7	336	2.98	5.6	<0.5	6.5	30	<0.1	0.4	0.1	72	0.32	0.070	23
203370	Soil	0.7	17.7	6.3	69	<0.1	23.8	14.6	795	3.64	3.9	<0.5	3.9	50	<0.1	0.3	0.1	70	0.65	0.082	17
203360	Soil	0.6	20.7	7.8	50	<0.1	17.8	8.5	274	2.60	7.2	1.7	6.1	27	<0.1	0.5	0.1	59	0.25	0.022	21
203357	Soil	0.5	8.0	5.3	37	<0.1	4.7	3.3	144	1.44	3.1	0.7	1.2	17	<0.1	0.3	<0.1	34	0.14	0.027	11
202438	Soil	0.8	13.7	7.6	69	<0.1	15.2	9.4	479	2.92	7.8	1.4	4.4	30	<0.1	0.5	0.2	71	0.20	0.036	13
202437	Soil	1.0	16.1	10.1	71	<0.1	19.9	8.4	369	3.07	11.1	1.3	5.2	23	<0.1	0.6	0.2	74	0.16	0.036	11
203352	Soil	0.7	15.7	7.5	52	<0.1	14.4	9.4	468	2.48	5.9	<0.5	3.5	33	0.2	0.4	0.2	58	0.39	0.039	18
202414	Soil	0.6	10.3	5.3	56	<0.1	7.4	5.7	306	2.15	4.1	5.0	4.0	34	<0.1	0.2	<0.1	54	0.26	0.033	11
202415	Soil	0.7	16.7	6.2	56	<0.1	12.1	7.7	307	2.58	5.5	3.5	5.3	22	<0.1	0.4	0.1	58	0.24	0.052	18
203388	Soil	0.9	11.6	10.0	49	<0.1	17.8	8.0	271	2.94	8.8	<0.5	2.8	20	<0.1	0.7	0.2	72	0.17	0.039	10
203359	Soil	0.7	10.2	7.0	60	<0.1	10.8	6.0	263	2.70	5.8	<0.5	2.4	25	<0.1	0.4	0.1	53	0.24	0.043	11
203389	Soil	0.8	9.3	8.7	93	<0.1	13.6	8.9	686	2.91	5.8	1.2	2.5	41	<0.1	0.5	0.2	68	0.38	0.056	9
202412	Soil	0.6	16.5	7.3	42	<0.1	14.3	6.3	216	2.02	5.8	5.7	4.0	33	<0.1	0.4	0.1	50	0.34	0.056	16
203382	Soil	0.7	19.2	5.2	69	0.2	13.8	7.3	886	2.03	3.9	2.9	1.1	92	0.3	0.6	0.1	44	1.49	0.101	42
203385	Soil	0.8	12.0	7.5	52	<0.1	14.2	7.3	211	2.84	6.4	1.3	2.0	33	<0.1	0.3	0.2	66	0.35	0.043	13
203378	Soil	0.8	11.6	7.9	56	0.1	16.3	9.4	759	2.57	6.2	0.8	3.9	31	<0.1	0.5	0.2	61	0.32	0.025	13
203387	Soil	0.7	13.7	6.5	48	<0.1	14.8	7.0	195	2.59	7.0	3.2	3.0	30	<0.1	0.4	0.1	57	0.32	0.039	15
203379	Soil	0.6	12.9	7.7	59	0.2	15.8	8.7	796	2.52	5.2	0.8	4.0	36	0.2	0.6	0.2	54	0.46	0.027	13
203397	Soil	0.5	20.9	7.4	65	0.1	16.3	7.4	228	2.57	6.4	2.6	4.6	47	<0.1	0.6	0.2	57	0.45	0.059	17
203391	Soil	0.7	14.4	7.5	50	<0.1	17.5	7.5	296	2.70	8.0	0.9	3.8	30	<0.1	0.6	0.2	64	0.30	0.026	15
203392	Soil	0.8	11.8	8.3	64	<0.1	16.8	11.0	1015	2.51	7.0	2.1	2.5	30	0.1	0.6	0.2	65	0.31	0.033	12
203386	Soil	0.6	9.3	7.8	39	<0.1	11.5	4.9	137	2.25	6.7	0.7	1.8	27	<0.1	0.3	0.2	60	0.28	0.032	13
203384	Soil	0.6	10.4	6.5	66	<0.1	12.3	9.0	475	2.73	5.3	<0.5	3.5	35	<0.1	0.3	0.1	62	0.40	0.054	12
203361	Soil	0.6	13.6	7.7	54	<0.1	14.0	6.9	235	2.84	7.6	1.8	3.9	26	<0.1	0.5	0.2	65	0.26	0.028	12
203380	Soil	0.5	14.5	7.4	57	0.2	12.0	5.0	158	2.31	4.4	1.6	2.6	60	<0.1	0.3	0.2	52	0.69	0.057	22

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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	Tl	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
202411	Soil		32	0.52	215	0.093	<1	2.65	0.010	0.06	0.1	0.03	4.3	0.1	<0.05	8	<0.5	<0.2
201478	Soil		31	0.55	193	0.076	<1	2.06	0.010	0.06	0.1	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
203362	Soil		21	0.48	168	0.074	<1	1.39	0.012	0.07	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
202424	Soil		25	0.70	269	0.106	<1	2.31	0.012	0.15	<0.1	0.02	3.6	0.1	<0.05	8	<0.5	<0.2
202403	Soil		73	1.29	272	0.155	<1	2.58	0.013	0.39	<0.1	<0.01	6.0	0.2	<0.05	9	<0.5	<0.2
202423	Soil		27	0.75	288	0.147	<1	1.95	0.011	0.24	0.1	0.01	4.1	0.1	<0.05	7	<0.5	<0.2
203370	Soil		37	1.12	293	0.069	<1	2.44	0.026	0.08	<0.1	0.03	6.0	<0.1	<0.05	7	<0.5	<0.2
203360	Soil		33	0.55	233	0.078	<1	1.84	0.012	0.05	0.1	0.01	5.1	<0.1	<0.05	5	<0.5	<0.2
203357	Soil		10	0.31	139	0.038	<1	0.92	0.009	0.07	<0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
202438	Soil		27	0.54	271	0.086	<1	1.99	0.012	0.09	0.1	0.01	3.7	0.1	<0.05	7	<0.5	<0.2
202437	Soil		36	0.53	233	0.070	<1	2.42	0.009	0.06	0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
203352	Soil		24	0.55	338	0.089	<1	1.62	0.016	0.22	0.2	<0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
202414	Soil		14	0.44	170	0.104	<1	1.30	0.012	0.16	0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
202415	Soil		22	0.56	187	0.101	<1	1.63	0.009	0.12	0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
203388	Soil		31	0.42	196	0.070	<1	1.99	0.009	0.06	0.1	<0.01	2.6	0.1	<0.05	7	<0.5	<0.2
203359	Soil		19	0.58	156	0.052	<1	1.98	0.010	0.07	<0.1	0.01	3.1	<0.1	<0.05	7	<0.5	<0.2
203389	Soil		23	0.54	300	0.109	<1	1.91	0.012	0.09	<0.1	<0.01	3.0	0.1	<0.05	8	<0.5	<0.2
202412	Soil		25	0.45	249	0.076	<1	1.41	0.013	0.04	0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
203382	Soil		18	0.39	550	0.034	6	1.63	0.012	0.06	0.2	0.10	4.1	<0.1	0.07	5	0.7	<0.2
203385	Soil		30	0.63	208	0.085	2	2.04	0.015	0.07	<0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
203378	Soil		30	0.45	414	0.072	2	1.60	0.015	0.10	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
203387	Soil		28	0.56	219	0.059	2	1.86	0.016	0.05	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
203379	Soil		26	0.46	473	0.061	3	1.60	0.014	0.18	0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
203397	Soil		28	0.51	283	0.091	2	1.79	0.019	0.08	0.2	0.05	4.7	0.1	<0.05	6	<0.5	<0.2
203391	Soil		29	0.51	230	0.073	2	1.80	0.010	0.07	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
203392	Soil		28	0.41	335	0.072	2	1.78	0.013	0.09	0.1	0.02	3.1	0.1	<0.05	6	0.7	<0.2
203386	Soil		25	0.47	180	0.075	1	1.64	0.012	0.05	0.1	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
203384	Soil		26	0.65	235	0.102	2	1.88	0.014	0.10	0.1	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
203361	Soil		30	0.53	189	0.093	2	1.97	0.012	0.06	0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
203380	Soil		24	0.44	374	0.059	1	2.04	0.014	0.06	0.2	0.09	5.3	0.1	<0.05	7	<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
203390	Soil		0.9	11.2	9.5	76	<0.1	17.0	10.7	866	2.85	6.3	1.9	3.4	40	<0.1	0.5	0.2	72	0.33	0.036	12
203358	Soil		1.1	16.7	8.9	47	<0.1	17.9	8.6	272	2.91	8.3	1.9	4.1	28	<0.1	0.6	0.2	67	0.24	0.025	13
203403	Soil		0.5	9.2	6.5	112	<0.1	13.0	10.2	690	3.18	4.6	3.6	5.5	61	0.1	0.4	0.1	67	0.48	0.061	16
203365	Soil		0.5	10.5	6.2	84	<0.1	12.3	8.8	400	3.09	6.2	3.3	4.9	23	<0.1	0.3	0.2	67	0.26	0.055	14
203356	Soil		1.0	16.6	9.6	80	<0.1	19.3	11.6	1735	3.03	9.2	3.9	4.5	17	0.1	0.6	0.2	74	0.14	0.036	12
203376	Soil		0.4	11.0	5.3	111	<0.1	14.3	15.3	852	3.68	2.9	1.1	3.9	48	<0.1	0.3	0.1	89	0.44	0.081	11
203353	Soil		0.8	10.2	7.0	59	<0.1	13.7	6.0	457	2.39	5.8	1.7	2.8	37	0.2	0.4	0.2	59	0.42	0.051	11
203374	Soil		0.8	14.5	9.1	58	<0.1	19.1	7.9	264	3.12	9.3	0.8	3.3	21	<0.1	0.6	0.2	76	0.18	0.034	11
203377	Soil		0.8	14.6	7.5	51	0.1	17.0	9.0	611	2.49	6.3	<0.5	3.6	35	0.1	0.6	0.2	61	0.38	0.021	15
203369	Soil		1.2	14.2	8.6	44	0.1	13.5	7.3	934	2.37	6.8	1.9	2.4	33	0.2	0.4	0.2	63	0.33	0.039	13
203371	Soil		0.6	11.6	6.5	61	<0.1	9.9	6.8	292	2.69	5.2	1.6	3.4	31	<0.1	0.3	0.2	66	0.29	0.031	10
203368	Soil		0.6	8.7	5.0	101	<0.1	8.1	8.1	529	2.90	2.7	0.6	3.4	37	<0.1	0.2	<0.1	65	0.35	0.059	7
203372	Soil		1.1	14.1	7.8	64	0.1	13.1	7.4	338	3.11	7.7	1.8	4.2	28	<0.1	0.5	0.2	74	0.25	0.044	12
203373	Soil		0.8	13.1	9.8	35	0.3	9.4	5.4	267	1.98	4.5	3.4	1.3	23	0.1	0.4	0.2	55	0.23	0.032	11
203393	Soil		0.8	13.6	7.9	69	<0.1	19.5	10.2	814	2.82	7.3	1.7	4.0	28	0.1	0.5	0.2	65	0.28	0.034	12
203367	Soil		0.6	11.5	6.7	68	<0.1	16.3	10.3	762	2.61	5.9	3.4	4.5	39	<0.1	0.4	0.1	60	0.43	0.047	15
201507	Soil		0.5	9.9	6.7	42	<0.1	12.2	5.7	217	2.22	5.3	5.2	3.9	29	<0.1	0.4	0.1	57	0.32	0.022	13
201491	Soil		1.1	15.3	8.2	75	0.1	15.9	8.9	351	3.34	7.8	2.1	5.3	30	0.1	0.6	0.1	73	0.23	0.040	11
203381	Soil		0.6	12.0	6.9	59	0.1	12.7	5.8	234	2.45	4.6	3.3	3.6	34	0.1	0.3	0.2	54	0.40	0.052	18
203375	Soil		0.4	11.3	5.6	110	<0.1	13.8	15.3	828	3.64	2.9	1.8	4.4	51	<0.1	0.4	<0.1	85	0.50	0.081	10
201511	Soil		0.6	12.3	7.1	87	<0.1	14.5	10.2	694	3.00	6.4	2.5	3.4	53	0.1	0.5	0.2	71	0.57	0.048	8
201514	Soil		0.5	14.0	6.4	51	<0.1	14.4	7.9	422	2.67	6.2	2.7	5.0	36	<0.1	0.5	0.1	61	0.39	0.037	16
201476	Soil		0.8	11.3	7.7	51	<0.1	18.1	10.3	562	2.59	7.0	1.6	3.6	39	0.1	0.6	0.2	64	0.35	0.025	11
201510	Soil		0.8	18.3	7.8	75	<0.1	17.8	8.6	422	3.28	10.4	0.9	6.0	27	<0.1	0.7	0.1	68	0.19	0.025	13
201487	Soil		1.3	13.3	8.8	55	0.1	12.2	7.1	554	2.78	7.4	3.0	2.8	25	0.1	0.4	0.2	71	0.24	0.031	11
201513	Soil		0.6	14.5	7.3	51	<0.1	15.3	9.7	395	2.57	6.5	1.8	4.0	21	<0.1	0.4	0.1	57	0.21	0.020	11
201515	Soil		0.6	12.8	5.9	75	<0.1	9.1	9.7	493	2.78	4.9	0.8	5.1	17	<0.1	0.3	<0.1	53	0.20	0.046	15
201489	Soil		0.7	18.4	7.7	53	<0.1	18.9	8.0	285	2.76	8.4	2.3	4.1	22	<0.1	0.6	0.1	64	0.21	0.020	11
201502	Soil		0.6	20.9	6.1	72	0.2	14.4	7.4	620	2.50	3.6	4.3	3.4	78	0.1	0.5	0.1	57	0.93	0.066	37
201508	Soil		0.8	15.3	8.7	51	<0.1	15.7	7.2	211	2.83	7.5	1.6	4.8	22	<0.1	0.5	0.2	68	0.20	0.011	16

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	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
203390	Soil	31	0.50	356	0.082	1	2.20	0.013	0.07	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
203358	Soil	34	0.53	255	0.080	2	2.27	0.012	0.07	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
203403	Soil	22	0.78	388	0.098	2	2.15	0.012	0.35	<0.1	<0.01	5.9	0.1	<0.05	8	0.5	<0.2
203365	Soil	22	0.68	196	0.119	1	2.06	0.012	0.24	0.1	0.02	4.8	0.2	<0.05	8	<0.5	<0.2
203356	Soil	33	0.47	291	0.085	3	2.27	0.012	0.08	0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
203376	Soil	36	1.13	513	0.149	2	2.44	0.015	0.45	<0.1	0.01	5.6	0.2	<0.05	11	<0.5	<0.2
203353	Soil	23	0.44	277	0.085	1	1.41	0.013	0.16	0.2	0.01	2.9	0.1	<0.05	6	<0.5	<0.2
203374	Soil	33	0.50	242	0.080	2	2.24	0.009	0.07	0.1	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
203377	Soil	28	0.48	299	0.074	1	1.60	0.014	0.08	0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
203369	Soil	25	0.44	295	0.074	<1	1.62	0.013	0.09	0.1	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
203371	Soil	20	0.57	235	0.102	1	1.92	0.012	0.10	<0.1	0.01	4.2	0.1	<0.05	8	<0.5	<0.2
203368	Soil	15	0.74	271	0.114	1	2.21	0.010	0.32	<0.1	0.01	3.0	0.2	<0.05	10	<0.5	<0.2
203372	Soil	26	0.58	202	0.096	2	2.11	0.010	0.08	0.1	0.03	4.1	0.1	<0.05	8	0.7	<0.2
203373	Soil	21	0.31	204	0.067	2	1.47	0.013	0.06	<0.1	0.01	2.9	0.1	<0.05	7	<0.5	<0.2
203393	Soil	29	0.50	309	0.081	2	1.81	0.012	0.24	0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
203367	Soil	29	0.51	386	0.084	2	1.65	0.012	0.22	0.1	0.02	4.4	0.1	<0.05	6	<0.5	<0.2
201507	Soil	26	0.43	217	0.082	1	1.65	0.012	0.05	0.1	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
201491	Soil	28	0.60	214	0.108	<1	2.21	0.010	0.17	0.1	0.01	3.6	0.1	<0.05	8	<0.5	<0.2
203381	Soil	25	0.49	316	0.068	1	1.93	0.014	0.06	0.1	0.03	4.5	<0.1	<0.05	6	<0.5	<0.2
203375	Soil	36	1.07	510	0.139	2	2.35	0.012	0.33	<0.1	<0.01	5.7	0.2	<0.05	11	<0.5	<0.2
201511	Soil	23	0.72	355	0.119	4	2.06	0.011	0.30	<0.1	0.01	3.4	0.2	<0.05	8	<0.5	<0.2
201514	Soil	26	0.61	304	0.105	<1	1.76	0.017	0.12	0.1	0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
201476	Soil	30	0.49	367	0.072	<1	1.84	0.011	0.09	0.2	0.01	3.5	0.1	<0.05	5	<0.5	<0.2
201510	Soil	30	0.75	229	0.107	2	2.52	0.010	0.11	0.1	0.01	4.2	0.2	<0.05	8	<0.5	<0.2
201487	Soil	24	0.39	220	0.056	3	1.54	0.009	0.05	0.2	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
201513	Soil	26	0.45	277	0.074	3	1.66	0.010	0.06	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
201515	Soil	16	0.50	169	0.076	3	1.61	0.007	0.36	<0.1	0.02	3.1	0.1	<0.05	7	<0.5	<0.2
201489	Soil	31	0.49	217	0.062	3	1.82	0.009	0.04	0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
201502	Soil	22	0.46	392	0.059	7	1.89	0.012	0.07	0.1	0.08	6.7	<0.1	0.06	7	0.6	<0.2
201508	Soil	34	0.48	216	0.079	2	1.97	0.009	0.04	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2

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Project: LuckyJoe
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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
201500	Soil	0.8	10.9	9.1	67	<0.1	16.3	7.0	274	2.75	7.2	5.9	3.3	17	0.1	0.5	0.2	63	0.17	0.042	9
201485	Soil	0.9	11.9	6.6	58	0.1	12.2	7.6	444	2.32	5.8	2.2	4.3	27	<0.1	0.4	0.1	54	0.31	0.048	17
201503	Soil	0.9	13.3	8.3	62	0.1	11.7	9.9	687	2.42	4.4	3.6	2.8	52	0.2	0.3	0.2	56	0.62	0.045	17
202376	Soil	0.5	34.7	5.1	58	<0.1	19.6	12.1	270	2.81	4.8	2.2	3.5	113	<0.1	0.3	<0.1	75	0.64	0.089	12
202369	Soil	0.7	26.7	8.2	64	0.1	24.9	9.1	383	2.37	8.9	2.8	3.7	50	0.3	0.7	0.1	47	1.36	0.074	13
202371	Soil	0.4	23.2	3.8	48	<0.1	12.8	9.5	192	2.31	4.2	19.5	2.8	62	<0.1	0.2	<0.1	62	0.53	0.065	9
203383	Soil	0.4	15.0	7.1	52	<0.1	13.9	8.6	250	2.49	6.1	6.1	4.6	26	<0.1	0.3	0.1	53	0.32	0.038	17
202388	Soil	0.5	18.5	7.7	75	0.2	12.0	6.0	191	2.70	4.7	2.7	4.2	42	0.1	0.3	0.1	57	0.36	0.070	30
202368	Soil	0.4	16.2	7.2	60	0.1	12.1	6.4	150	2.43	5.7	4.0	3.4	30	0.1	0.3	0.1	56	0.28	0.065	17
202387	Soil	0.5	17.1	6.1	51	<0.1	13.2	8.8	241	2.31	6.1	3.9	4.0	36	<0.1	0.4	0.1	53	0.36	0.061	14
201480	Soil	0.6	21.1	7.0	53	<0.1	15.6	8.2	300	2.45	7.1	1.6	4.7	26	<0.1	0.5	0.1	53	0.26	0.025	18
201488	Soil	0.9	15.2	8.8	34	0.3	10.1	8.3	381	1.78	3.5	2.2	2.2	26	<0.1	0.2	0.2	43	0.29	0.036	16
201501	Soil	0.6	13.7	6.4	48	0.1	13.1	6.4	282	2.01	6.0	1.6	3.8	28	<0.1	0.4	0.1	49	0.38	0.036	15
201479	Soil	0.7	16.7	7.0	72	<0.1	14.7	8.5	379	3.17	8.0	2.8	5.3	22	<0.1	0.5	0.1	68	0.17	0.022	20
202380	Soil	0.6	34.0	4.6	73	<0.1	49.6	16.1	282	3.80	6.7	1.1	1.4	104	0.1	0.4	<0.1	95	0.41	0.032	6
202366	Soil	0.5	18.7	5.2	58	<0.1	14.1	8.5	208	2.38	4.3	1.0	3.7	36	<0.1	0.2	<0.1	58	0.33	0.061	13
202374	Soil	0.5	25.1	5.3	57	<0.1	17.6	11.4	254	2.98	5.1	0.6	2.6	43	<0.1	0.4	<0.1	76	0.27	0.035	8
202384	Soil	0.6	19.0	7.1	52	<0.1	13.5	8.8	333	2.53	6.1	5.2	1.7	28	<0.1	0.3	0.1	62	0.19	0.036	11
202377	Soil	0.7	20.5	8.8	40	<0.1	14.6	7.8	232	2.55	8.6	2.5	3.7	21	<0.1	0.5	0.2	61	0.18	0.022	12
202379	Soil	0.6	25.0	7.0	66	<0.1	19.5	13.3	306	3.02	7.2	2.8	3.0	50	<0.1	0.4	0.1	73	0.29	0.053	8
202382	Soil	0.7	20.1	8.8	53	<0.1	20.8	10.2	233	2.81	9.1	2.7	4.3	22	<0.1	0.6	0.2	62	0.15	0.020	11
202386	Soil	0.7	17.7	6.0	60	0.1	10.9	7.1	204	2.45	5.6	3.0	2.9	36	<0.1	0.3	<0.1	60	0.34	0.053	9
202394	Soil	1.1	14.3	5.0	104	<0.1	9.7	9.0	372	3.32	4.3	1.3	7.8	22	<0.1	0.2	<0.1	72	0.30	0.078	17
202396	Soil	0.8	13.5	7.8	56	<0.1	13.3	7.3	248	2.63	7.1	2.9	4.9	20	<0.1	0.3	0.1	62	0.22	0.028	13
202383	Soil	0.5	33.6	6.2	63	<0.1	17.4	12.0	276	2.91	6.7	1.5	3.4	43	<0.1	0.4	0.1	72	0.27	0.046	8
202375	Soil	0.7	22.4	6.7	50	<0.1	13.7	10.1	222	3.01	6.1	2.0	2.3	29	<0.1	0.4	0.1	74	0.21	0.027	6
201483	Soil	0.6	15.3	7.3	50	<0.1	13.1	6.9	225	2.36	6.6	2.5	3.9	24	<0.1	0.4	0.1	57	0.25	0.021	14
201490	Soil	0.8	13.3	9.3	75	<0.1	20.0	10.5	540	2.96	7.7	1.6	2.8	11	0.2	0.5	0.2	70	0.10	0.043	9
202399	Soil	0.5	41.0	5.3	76	<0.1	9.2	12.3	314	3.48	3.6	1.9	3.8	114	<0.1	0.2	0.1	97	0.46	0.116	9
202393	Soil	0.6	12.0	6.4	62	<0.1	10.6	6.8	230	2.46	5.2	1.0	2.9	26	<0.1	0.3	<0.1	59	0.23	0.048	12

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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	Tl	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
201500	Soil	28	0.42	174	0.058	3	1.64	0.007	0.07	0.2	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
201485	Soil	24	0.41	229	0.071	2	1.56	0.010	0.06	0.2	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
201503	Soil	23	0.42	313	0.061	2	1.85	0.010	0.06	0.2	0.04	4.2	<0.1	<0.05	6	<0.5	<0.2
202376	Soil	42	0.97	226	0.110	2	2.12	0.036	0.06	0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
202369	Soil	24	0.73	321	0.068	5	1.06	0.025	0.08	0.3	0.03	3.7	<0.1	<0.05	3	0.5	<0.2
202371	Soil	29	0.68	204	0.115	<1	1.45	0.017	0.08	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
203383	Soil	26	0.50	246	0.073	3	1.60	0.011	0.04	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
202388	Soil	23	0.44	351	0.080	2	2.24	0.015	0.07	0.1	0.11	5.4	<0.1	<0.05	7	<0.5	<0.2
202368	Soil	22	0.44	241	0.078	2	1.63	0.013	0.04	0.2	0.05	3.9	<0.1	<0.05	5	<0.5	<0.2
202387	Soil	22	0.50	278	0.080	2	1.43	0.014	0.04	0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
201480	Soil	26	0.48	264	0.063	2	1.54	0.010	0.04	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
201488	Soil	19	0.30	285	0.054	2	1.35	0.012	0.04	0.1	0.04	3.4	0.1	<0.05	5	<0.5	<0.2
201501	Soil	23	0.43	237	0.068	1	1.31	0.011	0.06	0.2	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
201479	Soil	27	0.69	182	0.076	1	2.40	0.007	0.05	<0.1	0.03	4.5	<0.1	<0.05	8	0.6	<0.2
202380	Soil	81	1.39	122	0.099	2	2.80	0.030	0.06	<0.1	0.01	5.0	<0.1	<0.05	9	<0.5	<0.2
202366	Soil	28	0.65	241	0.107	2	1.48	0.014	0.15	0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
202374	Soil	31	0.88	219	0.127	2	1.92	0.016	0.06	0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
202384	Soil	24	0.49	207	0.091	2	1.79	0.011	0.05	0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
202377	Soil	31	0.38	177	0.063	2	1.83	0.011	0.04	0.1	0.04	4.8	0.1	<0.05	5	<0.5	<0.2
202379	Soil	32	0.80	240	0.122	2	2.36	0.016	0.13	0.1	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
202382	Soil	37	0.53	224	0.078	2	2.11	0.011	0.04	0.1	0.03	3.6	<0.1	<0.05	5	0.6	<0.2
202386	Soil	20	0.63	229	0.116	1	1.61	0.011	0.12	0.2	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
202394	Soil	16	0.86	288	0.185	2	1.91	0.008	0.57	<0.1	0.01	2.7	0.2	<0.05	8	<0.5	<0.2
202396	Soil	25	0.58	223	0.093	1	1.71	0.009	0.04	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
202383	Soil	31	0.78	216	0.125	2	2.11	0.014	0.13	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
202375	Soil	29	0.72	168	0.132	1	2.09	0.016	0.05	0.1	<0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
201483	Soil	26	0.44	227	0.080	<1	1.69	0.010	0.03	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
201490	Soil	31	0.46	203	0.059	<1	2.05	0.007	0.08	0.2	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
202399	Soil	20	0.97	383	0.176	<1	2.13	0.018	0.37	<0.1	0.01	4.5	0.2	<0.05	9	<0.5	<0.2
202393	Soil	19	0.57	206	0.107	2	1.56	0.009	0.13	0.1	0.01	2.4	<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
201505	Soil	0.6	10.7	7.2	46	<0.1	12.2	6.3	204	2.30	6.5	5.3	3.1	28	<0.1	0.4	0.1	55	0.30	0.026	13
201509	Soil	0.6	15.2	7.3	48	<0.1	14.8	6.6	219	2.37	6.8	0.6	3.5	25	<0.1	0.5	0.2	51	0.24	0.035	12
201506	Soil	0.6	14.1	7.7	48	<0.1	13.8	7.2	266	2.42	6.6	2.0	4.7	29	<0.1	0.5	0.1	54	0.31	0.029	18
201497	Soil	0.8	12.9	8.7	80	<0.1	18.5	9.5	485	3.00	9.3	0.7	4.0	30	0.1	0.5	0.2	68	0.26	0.038	9
201504	Soil	0.8	11.0	7.1	57	<0.1	12.9	6.2	265	2.61	6.7	2.2	3.7	26	<0.1	0.5	0.2	58	0.28	0.034	14
201512	Soil	0.7	15.5	8.2	70	<0.1	20.8	9.1	373	3.24	10.9	4.0	4.8	35	<0.1	0.6	0.2	67	0.34	0.036	12
201482	Soil	0.5	23.8	7.2	48	<0.1	16.9	8.3	253	2.54	7.7	1.8	4.5	32	<0.1	0.5	0.2	57	0.31	0.022	20
201494	Soil	0.4	17.7	6.3	71	<0.1	14.6	8.1	290	2.70	5.6	<0.5	5.7	31	<0.1	0.4	0.1	57	0.31	0.036	24
201484	Soil	0.8	13.8	8.2	59	<0.1	13.1	7.8	334	2.86	7.8	<0.5	3.4	27	<0.1	0.5	0.2	67	0.27	0.034	12
201475	Soil	0.7	12.5	7.2	48	<0.1	15.8	7.2	323	2.25	6.9	10.3	3.5	26	<0.1	0.6	0.1	52	0.25	0.024	11
201492	Soil	1.4	13.6	8.8	90	<0.1	15.7	10.2	677	3.51	8.3	<0.5	3.2	18	<0.1	0.6	0.2	79	0.14	0.046	8
201495	Soil	0.5	16.9	6.6	110	<0.1	19.1	13.1	376	3.81	6.2	<0.5	6.3	44	<0.1	0.5	0.1	84	0.34	0.024	19
201440	Soil	0.4	16.5	5.7	50	<0.1	12.6	6.4	218	2.10	5.0	3.8	4.5	35	<0.1	0.3	0.1	49	0.32	0.043	16
201469	Soil	1.0	14.6	8.3	59	<0.1	17.7	8.3	577	2.90	12.2	1.9	3.4	27	<0.1	0.6	0.2	69	0.27	0.054	10
201458	Soil	1.0	15.1	9.3	53	<0.1	16.1	7.8	238	3.19	9.7	<0.5	3.2	24	<0.1	0.6	0.2	78	0.20	0.016	12
201447	Soil	0.5	15.9	6.4	80	<0.1	13.6	9.3	308	2.76	5.7	1.1	4.0	47	<0.1	0.4	0.1	63	0.35	0.045	18
201438	Soil	0.5	14.1	6.7	45	<0.1	13.3	6.6	210	2.22	6.3	<0.5	3.5	23	<0.1	0.4	0.1	53	0.19	0.014	13
201461	Soil	1.0	12.8	9.1	74	0.1	13.4	9.5	727	3.10	7.5	<0.5	2.0	20	0.1	0.5	0.2	71	0.17	0.052	8
201436	Soil	0.5	21.4	8.1	70	<0.1	17.0	10.0	301	3.31	8.2	2.1	6.2	27	<0.1	0.6	0.1	70	0.22	0.020	17
201451	Soil	0.4	12.0	5.6	88	<0.1	11.2	7.9	280	2.84	5.8	1.5	3.7	62	<0.1	0.3	0.1	64	0.41	0.079	12
201443	Soil	0.7	24.3	4.5	112	<0.1	7.4	9.7	364	3.55	3.7	<0.5	18.3	30	<0.1	0.3	<0.1	63	0.27	0.021	53
201442	Soil	0.4	15.9	5.1	72	<0.1	10.7	7.8	342	2.47	4.4	<0.5	5.6	36	<0.1	0.3	<0.1	51	0.31	0.043	15
201432	Soil	1.1	10.7	8.2	72	<0.1	13.7	9.4	551	3.36	8.1	<0.5	5.2	17	0.1	0.5	0.2	73	0.14	0.041	8
201444	Soil	0.6	21.9	7.8	76	<0.1	18.2	9.0	260	2.97	7.5	2.1	5.5	30	<0.1	0.5	0.1	67	0.24	0.023	29
201437	Soil	0.3	18.5	5.3	70	<0.1	12.8	8.5	328	2.79	4.9	0.5	6.6	36	<0.1	0.3	<0.1	58	0.36	0.040	21
201441	Soil	0.4	17.5	7.1	52	<0.1	13.1	6.7	248	2.20	5.5	0.5	4.1	43	<0.1	0.4	0.1	52	0.35	0.037	15
203312	Soil	0.8	16.1	9.2	51	<0.1	17.0	9.2	249	2.99	9.0	<0.5	5.1	17	<0.1	0.6	0.2	64	0.13	0.019	13
203344	Soil	0.6	16.2	8.9	54	0.1	13.6	6.4	192	2.68	7.7	0.9	3.8	25	<0.1	0.5	0.2	61	0.19	0.024	14
201433	Soil	0.7	13.7	6.1	74	<0.1	13.0	9.0	365	2.89	5.7	3.1	6.0	30	<0.1	0.4	0.1	60	0.34	0.058	18
203332	Soil	0.4	35.2	2.9	111	<0.1	14.7	17.6	576	4.49	2.4	<0.5	3.4	112	<0.1	0.1	<0.1	100	0.88	0.178	10

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Project: LuckyJoe
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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	Tl	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
201505	Soil	26	0.44	246	0.058	2	1.72	0.010	0.04	0.2	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
201509	Soil	24	0.48	198	0.080	1	1.60	0.010	0.06	0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
201506	Soil	27	0.46	301	0.064	2	1.71	0.011	0.05	0.2	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
201497	Soil	29	0.53	315	0.068	2	2.17	0.008	0.07	<0.1	0.03	3.3	0.1	<0.05	7	<0.5	<0.2
201504	Soil	24	0.46	238	0.060	2	1.82	0.010	0.06	0.1	0.04	3.7	0.1	<0.05	6	<0.5	<0.2
201512	Soil	31	0.77	270	0.100	2	2.15	0.009	0.21	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
201482	Soil	31	0.49	314	0.076	1	1.69	0.012	0.05	0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
201494	Soil	24	0.65	259	0.111	1	1.77	0.011	0.11	0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
201484	Soil	27	0.49	212	0.075	<1	1.89	0.010	0.06	0.1	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
201475	Soil	28	0.44	232	0.064	<1	1.38	0.011	0.07	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
201492	Soil	27	0.68	239	0.122	<1	2.41	0.008	0.12	<0.1	0.02	3.0	0.2	<0.05	9	<0.5	<0.2
201495	Soil	35	1.03	460	0.141	<1	2.56	0.013	0.26	<0.1	0.02	5.2	0.2	<0.05	10	<0.5	<0.2
201440	Soil	22	0.52	189	0.104	<1	1.47	0.013	0.09	0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
201469	Soil	30	0.58	322	0.073	<1	1.95	0.008	0.10	0.1	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
201458	Soil	34	0.54	240	0.084	<1	2.20	0.010	0.05	<0.1	<0.01	4.0	0.1	<0.05	7	<0.5	<0.2
201447	Soil	24	0.71	349	0.125	<1	1.86	0.015	0.10	0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
201438	Soil	24	0.47	176	0.089	<1	1.64	0.010	0.05	<0.1	0.01	2.9	0.1	<0.05	5	<0.5	<0.2
201461	Soil	27	0.48	308	0.067	<1	1.95	0.009	0.11	0.1	0.02	2.5	<0.1	<0.05	8	<0.5	<0.2
201436	Soil	34	0.75	297	0.092	<1	2.52	0.009	0.14	0.1	0.03	5.7	0.1	<0.05	7	<0.5	<0.2
201451	Soil	21	0.66	278	0.116	<1	1.85	0.015	0.11	0.1	0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
201443	Soil	13	0.81	338	0.128	<1	2.10	0.010	0.34	<0.1	0.03	5.3	0.2	<0.05	10	<0.5	<0.2
201442	Soil	17	0.64	268	0.135	<1	1.47	0.012	0.34	<0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
201432	Soil	24	0.66	251	0.120	<1	2.30	0.022	0.23	0.1	0.02	3.1	0.2	<0.05	9	<0.5	<0.2
201444	Soil	30	0.69	339	0.095	<1	2.10	0.010	0.11	<0.1	0.03	4.1	<0.1	<0.05	7	<0.5	<0.2
201437	Soil	20	0.71	273	0.152	<1	1.92	0.011	0.29	<0.1	0.01	4.6	0.2	<0.05	7	<0.5	<0.2
201441	Soil	22	0.49	195	0.110	<1	1.43	0.013	0.08	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
203312	Soil	29	0.53	237	0.068	<1	2.16	0.010	0.07	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
203344	Soil	26	0.45	225	0.096	<1	1.93	0.011	0.06	0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
201433	Soil	23	0.69	253	0.120	<1	1.83	0.011	0.18	0.1	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
203332	Soil	28	1.84	441	0.256	<1	3.27	0.028	0.70	<0.1	<0.01	4.1	0.2	<0.05	11	<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
201465	Soil	0.7	20.3	7.9	53	<0.1	21.6	10.6	271	2.80	8.6	0.8	6.0	23	<0.1	0.6	0.2	61	0.17	0.016	11
203316	Soil	0.7	16.4	8.3	56	<0.1	9.2	5.8	245	2.69	6.0	<0.5	2.9	25	0.1	0.3	0.2	64	0.14	0.038	11
201439	Soil	0.3	14.2	5.0	56	<0.1	10.4	6.9	268	2.07	3.7	0.7	4.3	62	<0.1	0.2	<0.1	46	0.34	0.049	15
203338	Soil	0.4	13.7	7.1	68	<0.1	13.0	8.8	268	2.97	6.3	<0.5	3.3	36	<0.1	0.3	0.2	71	0.27	0.040	10
203313	Soil	0.5	21.3	6.7	85	<0.1	15.6	10.6	433	3.69	7.1	1.1	7.3	23	<0.1	0.5	0.1	71	0.21	0.034	17
203315	Soil	0.4	18.0	6.2	64	<0.1	11.8	7.4	310	2.67	5.2	<0.5	5.1	39	<0.1	0.3	0.1	57	0.23	0.034	19
203349	Soil	1.1	21.6	10.5	52	0.1	17.4	9.5	331	3.16	9.9	2.9	8.1	21	<0.1	0.8	0.2	73	0.18	0.017	27
203350	Soil	0.6	17.4	7.5	80	<0.1	12.4	9.0	313	3.09	6.2	<0.5	4.3	29	<0.1	0.4	0.1	68	0.22	0.028	12
203341	Soil	0.7	9.4	6.5	61	<0.1	10.0	6.3	237	2.45	6.3	1.4	3.8	31	<0.1	0.4	0.1	57	0.27	0.041	14
203345	Soil	0.4	16.0	5.3	58	<0.1	12.9	8.3	268	2.31	5.4	1.8	4.1	29	<0.1	0.4	<0.1	52	0.29	0.057	14
201522	Soil	0.7	19.5	5.9	76	<0.1	12.0	7.2	257	2.96	5.6	<0.5	3.4	27	<0.1	0.3	0.1	74	0.27	0.042	17
201525	Soil	0.8	18.3	7.8	55	<0.1	18.2	8.7	266	3.03	7.9	1.0	4.4	28	<0.1	0.5	0.2	70	0.30	0.038	17
201535	Soil	0.7	20.5	7.4	52	<0.1	15.8	6.5	169	2.19	6.6	0.8	2.8	24	0.2	0.5	0.1	49	0.25	0.050	13
201536	Soil	0.7	16.9	5.4	58	<0.1	20.2	10.0	258	2.38	5.9	1.4	3.0	31	<0.1	0.3	0.1	59	0.34	0.051	11
201540	Soil	0.7	20.5	5.5	68	<0.1	14.0	10.1	245	2.58	5.7	0.7	1.4	41	<0.1	0.3	<0.1	68	0.32	0.045	7
203317	Soil	0.5	13.5	7.3	59	<0.1	13.4	6.8	235	2.52	6.0	<0.5	2.5	38	<0.1	0.3	0.1	60	0.22	0.039	13
201526	Soil	0.8	15.4	7.6	61	<0.1	12.4	6.4	229	2.77	7.5	<0.5	2.0	32	<0.1	0.4	0.2	66	0.24	0.024	12
201516	Soil	0.5	14.5	5.6	112	0.2	11.0	8.5	1300	2.46	3.3	<0.5	4.0	60	0.3	0.2	<0.1	55	0.80	0.128	17
201529	Soil	0.6	19.5	4.9	65	<0.1	14.7	9.2	245	2.39	3.6	<0.5	2.2	47	<0.1	0.4	<0.1	64	0.43	0.053	8
201537	Soil	0.8	16.1	6.1	40	0.2	9.2	4.9	129	1.84	3.9	<0.5	1.1	33	0.1	0.3	0.1	49	0.22	0.032	9
201531	Soil	0.6	14.9	7.9	50	<0.1	13.0	6.9	204	2.47	6.1	2.5	2.7	36	0.1	0.4	0.2	61	0.27	0.020	12
201538	Soil	0.9	20.5	6.1	83	<0.1	13.0	10.7	320	3.23	5.1	1.5	3.0	27	<0.1	0.4	0.1	71	0.29	0.046	10
201520	Soil	0.7	19.1	9.6	49	<0.1	21.7	10.7	261	2.95	9.3	4.3	5.5	18	<0.1	0.8	0.2	60	0.16	0.017	13
201518	Soil	1.1	14.8	10.1	62	<0.1	18.3	9.4	370	2.71	8.2	1.2	4.2	20	<0.1	0.6	0.2	65	0.17	0.029	12
201539	Soil	1.1	14.9	6.8	65	<0.1	12.9	8.8	264	2.98	6.7	<0.5	2.1	46	<0.1	0.4	0.1	70	0.23	0.040	8
203409	Soil	0.8	19.7	7.9	63	<0.1	14.2	8.0	210	2.75	5.8	0.7	2.9	35	<0.1	0.6	0.2	66	0.31	0.031	12
203396	Soil	0.5	28.4	8.3	81	0.2	17.0	8.9	234	3.27	6.6	1.4	3.9	33	0.1	0.6	0.2	63	0.28	0.053	14
203402	Soil	0.5	10.6	6.5	60	<0.1	11.5	6.6	221	2.17	5.2	0.6	3.4	36	<0.1	0.3	0.1	51	0.39	0.056	12
203411	Soil	0.8	14.9	6.7	46	<0.1	14.1	7.7	380	2.49	7.3	<0.5	1.9	22	<0.1	0.5	0.2	61	0.22	0.023	9
203412	Soil	0.7	14.1	5.3	57	<0.1	15.6	11.5	493	2.45	5.1	6.7	1.1	47	0.1	0.4	0.1	62	0.38	0.039	7

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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	Tl	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
201465	Soil	32	0.54	243	0.077	<1	2.23	0.011	0.05	0.1	0.02	3.6	0.1	<0.05	5	<0.5	<0.2
203316	Soil	18	0.45	181	0.138	<1	1.80	0.009	0.13	<0.1	0.02	3.0	0.1	<0.05	9	<0.5	<0.2
201439	Soil	17	0.51	201	0.117	<1	1.40	0.014	0.19	<0.1	<0.01	2.9	0.1	<0.05	5	<0.5	<0.2
203338	Soil	24	0.75	245	0.139	<1	1.91	0.013	0.17	0.1	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
203313	Soil	24	0.84	272	0.147	<1	2.52	0.008	0.23	<0.1	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
203315	Soil	21	0.61	218	0.130	<1	1.75	0.009	0.21	<0.1	0.01	3.5	0.1	<0.05	6	<0.5	<0.2
203349	Soil	37	0.51	322	0.064	3	2.15	0.011	0.04	0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
203350	Soil	20	0.76	239	0.127	2	2.15	0.008	0.12	<0.1	<0.01	2.8	0.1	<0.05	8	<0.5	<0.2
203341	Soil	20	0.44	200	0.075	3	1.70	0.010	0.06	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
203345	Soil	21	0.54	191	0.107	2	1.50	0.010	0.15	0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
201522	Soil	19	0.72	310	0.132	3	1.83	0.011	0.12	<0.1	0.02	2.8	0.1	<0.05	8	<0.5	<0.2
201525	Soil	31	0.59	250	0.057	2	2.02	0.014	0.05	0.1	0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
201535	Soil	23	0.48	196	0.064	2	1.48	0.010	0.05	0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
201536	Soil	35	0.71	257	0.102	2	1.59	0.011	0.09	0.2	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
201540	Soil	27	0.71	191	0.098	<1	1.74	0.016	0.08	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
203317	Soil	23	0.57	193	0.115	1	1.86	0.010	0.14	0.1	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
201526	Soil	26	0.49	182	0.056	2	1.82	0.009	0.04	0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
201516	Soil	17	0.56	375	0.053	3	1.64	0.013	0.32	<0.1	0.01	3.1	0.1	<0.05	7	<0.5	<0.2
201529	Soil	25	0.72	219	0.115	2	1.67	0.017	0.09	0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
201537	Soil	19	0.40	177	0.079	<1	1.38	0.009	0.08	<0.1	0.02	2.4	0.1	<0.05	6	<0.5	<0.2
201531	Soil	27	0.47	219	0.068	<1	1.83	0.010	0.04	0.1	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
201538	Soil	22	0.86	261	0.105	<1	2.01	0.010	0.17	<0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
201520	Soil	35	0.54	203	0.069	1	2.24	0.009	0.06	0.2	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
201518	Soil	34	0.44	298	0.063	1	2.01	0.008	0.05	0.2	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
201539	Soil	24	0.61	209	0.113	1	1.86	0.010	0.08	0.1	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
203409	Soil	29	0.58	218	0.044	<1	1.87	0.010	0.05	0.1	0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
203396	Soil	29	0.52	323	0.103	<1	2.47	0.014	0.14	0.1	0.05	4.8	0.1	<0.05	8	<0.5	<0.2
203402	Soil	21	0.50	228	0.072	2	1.38	0.013	0.04	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
203411	Soil	26	0.48	232	0.054	1	1.53	0.011	0.05	0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
203412	Soil	28	0.73	271	0.088	<1	1.57	0.017	0.06	0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2

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Project: LuckyJoe
Report Date: September 12, 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
203414	Soil	0.5	31.8	4.3	66	<0.1	17.1	11.4	263	2.92	5.5	7.1	2.5	132	<0.1	0.3	<0.1	70	0.58	0.128	10
202408	Soil	0.5	17.3	6.4	57	<0.1	13.9	8.3	268	2.47	5.2	3.7	6.2	28	<0.1	0.5	0.1	53	0.26	0.015	26
203394	Soil	0.5	16.3	5.8	76	<0.1	12.9	8.2	278	2.66	4.7	0.7	4.6	43	<0.1	0.4	<0.1	60	0.31	0.056	17
203420	Soil	0.8	11.1	7.1	49	<0.1	12.8	8.8	343	2.66	7.0	2.0	2.1	22	<0.1	0.5	0.2	61	0.24	0.049	8
203408	Soil	0.7	16.0	5.4	74	<0.1	10.3	10.1	562	2.25	3.4	0.7	2.2	63	0.2	0.3	<0.1	48	0.81	0.071	18
203418	Soil	0.9	12.4	7.0	45	<0.1	10.6	7.0	578	2.25	5.9	7.4	1.5	29	<0.1	0.4	0.2	61	0.21	0.076	8
203415	Soil	0.7	24.0	6.3	49	0.1	15.5	9.2	425	2.50	6.9	<0.5	2.6	26	<0.1	0.5	0.1	62	0.27	0.032	9
203405	Soil	0.6	14.7	5.9	77	0.1	10.9	7.6	242	2.65	4.5	<0.5	2.4	38	<0.1	0.2	0.1	63	0.44	0.082	10
202444	Soil	0.4	30.1	4.3	49	<0.1	17.6	11.4	220	2.24	3.8	9.3	1.9	90	<0.1	0.2	<0.1	57	0.46	0.042	7
203400	Soil	0.7	11.3	7.2	52	<0.1	11.9	6.6	217	2.09	5.8	1.3	3.2	35	<0.1	0.4	0.1	50	0.39	0.053	12
202465	Soil	0.9	80.0	6.0	165	0.1	7.7	18.2	1369	7.14	1.1	<0.5	1.8	49	0.2	0.1	0.1	74	1.26	0.131	11
202449	Soil	0.7	20.8	5.2	61	<0.1	11.7	8.3	217	2.44	4.5	<0.5	2.2	41	0.1	0.3	<0.1	63	0.38	0.056	10
203401	Soil	0.7	15.5	8.2	68	<0.1	13.9	9.1	355	2.55	5.5	3.8	4.0	32	0.2	0.3	0.2	63	0.55	0.060	16
202460	Soil	0.7	19.0	6.2	68	<0.1	10.5	9.9	290	2.89	5.2	1.9	1.2	20	0.1	0.2	0.1	82	0.32	0.057	6
202459	Soil	0.6	24.2	7.6	45	<0.1	16.9	8.0	218	2.44	6.8	1.4	3.4	24	<0.1	0.5	0.1	59	0.31	0.048	13
202443	Soil	0.5	27.4	4.5	47	<0.1	15.6	9.0	224	2.11	2.6	2.2	0.4	79	0.1	0.2	0.1	64	0.43	0.049	6
203419	Soil	0.8	13.2	8.8	56	<0.1	14.8	8.5	239	2.64	7.3	1.3	2.2	19	<0.1	0.5	0.2	69	0.21	0.071	8
202456	Soil	0.7	16.0	6.5	54	<0.1	11.7	8.9	291	2.61	5.0	6.0	1.4	21	<0.1	0.3	0.1	70	0.24	0.043	9
202445	Soil	0.5	25.5	4.7	55	0.1	15.0	10.8	218	2.39	4.1	1.7	1.9	54	0.1	0.2	<0.1	71	0.46	0.077	6
202458	Soil	0.8	23.5	5.8	59	<0.1	13.1	10.5	276	3.12	4.6	0.8	1.5	32	<0.1	0.3	<0.1	85	0.38	0.064	9
202454	Soil	0.8	39.9	5.8	83	<0.1	19.0	16.6	459	4.83	4.4	1.8	1.8	35	<0.1	0.3	<0.1	145	0.49	0.075	11
202462	Soil	0.9	23.9	5.8	118	<0.1	9.8	11.3	491	4.03	4.3	3.0	1.8	18	0.1	0.2	0.1	89	0.32	0.061	8
202457	Soil	1.0	19.7	7.7	58	<0.1	15.3	8.9	222	3.34	7.5	2.6	2.4	20	<0.1	0.4	0.1	86	0.27	0.038	9
202453	Soil	0.7	34.0	8.4	61	<0.1	18.7	10.0	235	2.77	7.7	4.2	3.5	27	<0.1	0.4	0.1	68	0.34	0.048	16
202464	Soil	1.4	18.8	6.0	104	<0.1	9.7	9.3	672	4.38	1.4	1.3	2.3	20	0.3	0.2	0.2	95	0.48	0.076	30
202447	Soil	0.7	31.3	7.0	61	0.1	26.2	10.8	202	2.70	6.7	1.7	2.2	45	<0.1	0.4	0.1	80	0.43	0.053	9
202461	Soil	0.8	15.6	7.5	71	<0.1	12.5	9.2	396	2.93	5.7	1.1	0.6	16	0.1	0.2	0.1	80	0.26	0.107	9
202442	Soil	0.5	28.2	5.2	72	<0.1	12.9	10.5	243	2.82	4.7	1.4	1.5	137	<0.1	0.2	<0.1	94	0.38	0.035	6
201528	Soil	0.7	19.1	6.6	49	0.1	11.0	6.2	145	2.11	3.9	2.5	0.5	42	0.1	0.3	0.1	60	0.27	0.045	9
201521	Soil	0.9	23.6	9.9	53	<0.1	25.5	13.7	346	3.21	10.4	2.8	5.6	19	<0.1	0.6	0.2	68	0.18	0.021	12

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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	Tl	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
203414	Soil	30	0.77	306	0.089	2	2.03	0.025	0.09	<0.1	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
202408	Soil	25	0.56	232	0.080	<1	1.60	0.011	0.06	0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
203394	Soil	21	0.67	220	0.120	<1	1.75	0.011	0.20	0.1	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
203420	Soil	22	0.49	287	0.068	1	1.56	0.012	0.09	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
203408	Soil	19	0.56	384	0.031	2	1.32	0.012	0.06	0.1	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
203418	Soil	23	0.34	197	0.056	<1	1.29	0.014	0.06	0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
203415	Soil	26	0.48	198	0.065	<1	1.47	0.013	0.06	0.2	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
203405	Soil	22	0.71	323	0.100	<1	1.77	0.011	0.22	<0.1	0.03	3.2	0.1	<0.05	7	<0.5	<0.2
202444	Soil	34	0.81	157	0.092	2	1.93	0.020	0.06	0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
203400	Soil	21	0.42	240	0.072	<1	1.45	0.012	0.04	0.2	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
202465	Soil	11	1.04	398	0.133	3	1.69	0.010	0.54	<0.1	0.13	17.9	0.2	<0.05	8	<0.5	<0.2
202449	Soil	20	0.58	168	0.109	2	1.47	0.021	0.09	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
203401	Soil	27	0.51	379	0.086	2	1.78	0.015	0.04	0.2	0.03	4.0	<0.1	<0.05	6	<0.5	<0.2
202460	Soil	19	0.60	159	0.123	1	1.65	0.021	0.10	0.1	0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
202459	Soil	28	0.49	220	0.078	2	1.50	0.014	0.04	0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
202443	Soil	32	0.73	209	0.093	1	1.70	0.021	0.14	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
203419	Soil	28	0.41	256	0.054	2	1.72	0.010	0.04	0.2	0.01	2.9	0.1	<0.05	6	<0.5	<0.2
202456	Soil	22	0.56	117	0.060	1	1.66	0.015	0.04	<0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
202445	Soil	23	0.80	135	0.133	1	1.78	0.025	0.06	0.2	0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
202458	Soil	24	0.67	156	0.106	<1	1.85	0.025	0.05	<0.1	0.02	4.5	<0.1	<0.05	7	<0.5	<0.2
202454	Soil	31	0.68	338	0.053	1	2.38	0.018	0.05	<0.1	0.02	13.1	<0.1	<0.05	9	<0.5	<0.2
202462	Soil	20	0.80	203	0.122	1	2.12	0.017	0.17	<0.1	0.01	7.7	0.1	<0.05	9	<0.5	<0.2
202457	Soil	29	0.59	146	0.077	1	1.88	0.018	0.04	0.1	0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
202453	Soil	32	0.56	229	0.083	1	1.83	0.016	0.04	0.1	0.06	5.8	0.1	<0.05	6	<0.5	<0.2
202464	Soil	23	0.40	315	0.041	2	1.47	0.011	0.17	<0.1	0.05	11.6	0.2	0.06	7	<0.5	<0.2
202447	Soil	40	0.73	183	0.110	1	2.27	0.022	0.05	0.2	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
202461	Soil	25	0.57	135	0.078	2	1.70	0.017	0.12	<0.1	0.02	3.5	<0.1	0.05	8	<0.5	<0.2
202442	Soil	27	0.92	194	0.173	1	2.02	0.021	0.10	<0.1	0.01	3.1	<0.1	<0.05	9	<0.5	<0.2
201528	Soil	23	0.38	218	0.075	<1	1.48	0.012	0.07	<0.1	0.03	2.8	<0.1	<0.05	7	<0.5	<0.2
201521	Soil	45	0.55	246	0.074	1	2.59	0.012	0.04	0.1	0.02	4.6	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
201519	Soil	1.2	12.8	10.2	52	<0.1	17.0	8.3	251	2.81	8.5	1.2	2.9	19	0.1	0.5	0.2	75	0.17	0.028	10
201527	Soil	0.5	22.6	6.0	57	<0.1	13.4	9.1	214	2.78	5.1	1.9	2.3	43	<0.1	0.3	0.1	72	0.23	0.020	11
202427	Soil	1.1	14.2	10.9	53	<0.1	17.6	12.2	370	2.98	10.3	1.3	3.2	15	<0.1	0.4	0.2	71	0.15	0.058	10
202430	Soil	0.8	17.6	7.3	81	<0.1	14.2	9.4	268	3.31	7.0	0.6	4.1	26	<0.1	0.4	0.1	77	0.29	0.048	20
202417	Soil	0.2	13.9	2.1	128	<0.1	18.4	19.9	553	4.39	2.0	0.7	5.9	26	<0.1	0.2	<0.1	129	0.36	0.063	27
202435	Soil	0.6	11.2	7.4	34	<0.1	8.0	4.4	137	1.75	4.5	1.0	2.5	23	<0.1	0.3	0.1	53	0.18	0.013	11
202441	Soil	0.7	14.6	5.8	93	<0.1	14.0	10.6	471	3.07	6.4	7.4	5.1	41	<0.1	0.4	0.1	66	0.36	0.049	14
202401	Soil	0.8	15.8	8.3	58	<0.1	19.7	9.1	354	3.05	9.7	1.1	4.4	24	<0.1	0.6	0.1	66	0.23	0.028	11
202439	Soil	0.7	14.1	6.9	58	<0.1	12.6	6.6	271	2.44	5.7	1.6	3.6	33	<0.1	0.4	0.1	62	0.23	0.026	11
202421	Soil	0.7	11.2	5.8	52	0.1	5.9	4.4	155	1.92	2.6	0.7	0.6	25	0.1	0.2	0.1	54	0.28	0.036	14
202409	Soil	1.2	16.0	10.1	57	0.1	14.0	7.3	294	2.88	8.6	1.1	3.7	27	<0.1	0.4	0.2	78	0.31	0.035	13
202426	Soil	0.8	19.5	7.9	99	<0.1	13.2	9.6	361	3.68	7.9	0.5	3.1	17	<0.1	0.4	0.1	96	0.19	0.061	9
202413	Soil	0.8	19.5	8.3	48	0.1	17.3	13.3	597	2.16	6.3	3.9	1.1	25	0.2	0.3	0.1	54	0.30	0.052	13
202431	Soil	0.8	12.8	8.1	49	<0.1	14.2	7.0	214	2.48	6.8	0.7	3.7	24	<0.1	0.4	0.1	64	0.22	0.015	10
202418	Soil	0.8	11.8	9.2	50	<0.1	13.2	6.9	182	3.12	9.4	1.3	3.4	14	<0.1	0.4	0.2	81	0.12	0.021	9
202440	Soil	0.7	23.0	7.4	51	<0.1	19.4	9.1	322	2.46	6.8	1.9	3.2	32	<0.1	0.4	0.1	60	0.41	0.047	16
202433	Soil	0.8	24.8	9.8	53	<0.1	19.9	9.0	256	2.78	9.5	2.8	5.6	23	<0.1	0.6	0.2	69	0.21	0.019	26
202410	Soil	0.9	12.7	8.0	52	<0.1	12.1	6.4	196	2.72	8.4	3.2	2.7	21	<0.1	0.4	0.1	75	0.21	0.030	10
201471	Soil	0.6	14.6	7.2	72	<0.1	16.2	8.4	268	2.87	6.1	2.8	5.4	32	<0.1	0.6	0.2	64	0.25	0.019	18
201446	Soil	0.7	18.0	7.4	88	<0.1	19.4	12.7	377	3.52	8.7	2.2	4.5	39	<0.1	0.5	0.2	74	0.28	0.047	12
201456	Soil	0.5	13.7	8.2	53	<0.1	13.7	7.3	218	2.55	7.2	3.9	3.3	29	<0.1	0.4	0.2	57	0.26	0.029	14
201470	Soil	0.6	19.9	5.8	61	<0.1	15.4	7.6	269	2.53	6.5	3.6	5.6	29	<0.1	0.5	<0.1	56	0.21	0.024	49
203395	Soil	0.5	17.3	5.7	71	<0.1	12.4	7.4	234	2.43	4.6	1.8	2.8	41	<0.1	0.4	0.1	58	0.36	0.068	12
201445	Soil	0.9	29.8	10.2	69	<0.1	20.3	11.9	354	3.36	9.7	6.5	6.9	26	<0.1	0.9	0.2	72	0.20	0.025	24
203366	Soil	0.5	12.4	7.1	51	<0.1	14.6	8.7	478	2.53	4.1	2.6	3.6	39	<0.1	0.4	0.1	60	0.49	0.019	11
203354	Soil	0.8	10.9	8.0	55	0.1	16.7	7.8	296	2.66	7.7	0.6	3.2	31	0.1	0.5	0.2	60	0.30	0.054	10
203355	Soil	1.1	13.0	8.2	51	0.1	15.8	10.0	717	2.62	7.0	0.6	3.6	37	<0.1	0.5	0.2	61	0.40	0.031	12
203410	Soil	1.0	17.1	5.2	77	<0.1	11.5	9.3	338	3.21	4.8	2.0	2.4	50	<0.1	0.4	0.1	77	0.45	0.045	10
203399	Soil	0.6	16.4	7.5	59	0.1	14.4	6.8	213	2.29	5.5	2.3	3.6	45	0.2	0.5	0.2	50	0.44	0.057	16
203406	Soil	0.8	14.2	7.9	65	<0.1	14.7	7.8	233	2.63	6.2	3.9	3.0	36	0.1	0.3	0.1	63	0.33	0.051	13

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Client: **Taku Gold Corp**
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Project: LuckyJoe
Report Date: September 12, 2017

CERTIFICATE OF ANALYSIS WHI17000603.1

	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	Tl	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
201519	Soil	31	0.40	215	0.059	<1	1.93	0.008	0.04	<0.1	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
201527	Soil	27	0.65	184	0.128	<1	1.81	0.013	0.10	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
202427	Soil	33	0.45	181	0.071	1	1.82	0.008	0.05	0.2	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
202430	Soil	27	0.69	274	0.106	1	2.10	0.009	0.16	0.1	0.01	3.3	0.1	<0.05	8	<0.5	<0.2
202417	Soil	73	1.85	442	0.237	<1	2.62	0.012	0.70	<0.1	<0.01	10.8	0.5	<0.05	13	<0.5	<0.2
202435	Soil	19	0.30	152	0.071	<1	1.20	0.010	0.03	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
202441	Soil	25	0.72	255	0.129	<1	1.82	0.013	0.27	0.2	0.01	4.4	0.1	<0.05	8	<0.5	<0.2
202401	Soil	33	0.56	198	0.098	2	1.85	0.009	0.15	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
202439	Soil	25	0.53	231	0.102	<1	1.60	0.012	0.08	0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
202421	Soil	13	0.34	217	0.059	1	1.07	0.010	0.11	<0.1	0.02	2.3	0.1	<0.05	8	<0.5	<0.2
202409	Soil	28	0.45	188	0.094	<1	1.88	0.011	0.06	0.1	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
202426	Soil	26	0.91	244	0.144	<1	2.60	0.008	0.34	0.1	0.02	2.7	0.2	<0.05	10	<0.5	<0.2
202413	Soil	26	0.40	275	0.047	1	1.47	0.013	0.04	0.2	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
202431	Soil	29	0.48	180	0.084	<1	1.81	0.012	0.04	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
202418	Soil	28	0.45	144	0.099	<1	1.97	0.008	0.06	0.1	0.01	3.4	0.1	<0.05	8	<0.5	<0.2
202440	Soil	31	0.49	306	0.075	1	1.56	0.016	0.05	0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
202433	Soil	37	0.48	252	0.077	2	1.92	0.011	0.04	0.1	0.03	6.2	0.1	<0.05	6	<0.5	<0.2
202410	Soil	26	0.44	170	0.097	<1	1.80	0.009	0.05	0.1	0.01	3.4	<0.1	<0.05	8	<0.5	<0.2
201471	Soil	27	0.63	257	0.090	<1	1.88	0.011	0.11	0.1	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
201446	Soil	29	0.79	287	0.109	3	2.49	0.011	0.18	0.1	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
201456	Soil	26	0.48	219	0.073	2	1.75	0.010	0.05	0.1	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
201470	Soil	26	0.57	203	0.087	1	1.63	0.010	0.06	0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
203395	Soil	20	0.59	277	0.110	1	1.67	0.012	0.19	0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
201445	Soil	36	0.66	351	0.089	2	2.56	0.015	0.08	0.2	0.03	8.6	0.2	<0.05	7	<0.5	<0.2
203366	Soil	26	0.42	357	0.069	1	1.80	0.013	0.10	<0.1	0.03	4.1	<0.1	<0.05	6	<0.5	<0.2
203354	Soil	27	0.47	204	0.074	2	1.62	0.009	0.17	0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
203355	Soil	27	0.43	348	0.067	<1	1.64	0.011	0.12	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
203410	Soil	26	0.70	209	0.067	1	1.70	0.017	0.07	0.1	0.02	4.8	<0.1	<0.05	8	<0.5	<0.2
203399	Soil	25	0.44	307	0.075	2	1.77	0.014	0.05	0.2	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
203406	Soil	29	0.60	218	0.086	2	1.99	0.015	0.05	0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2

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Project: LuckyJoe
Report Date: September 12, 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
203363	Soil	0.5	9.2	5.9	44	0.1	8.2	4.4	165	2.00	3.7	3.3	3.0	24	<0.1	0.3	0.1	49	0.23	0.025	12
201457	Soil	0.6	19.4	6.8	62	<0.1	13.7	7.4	243	2.54	5.1	1.9	5.7	31	<0.1	0.4	0.1	60	0.31	0.041	22
203417	Soil	0.7	21.7	6.7	162	0.1	12.2	11.2	1536	2.83	5.9	0.7	1.8	48	0.4	0.4	0.2	67	0.33	0.074	8
203416	Soil	0.7	15.9	7.1	76	<0.1	18.4	9.6	1254	2.63	7.1	2.0	3.2	39	0.2	0.6	0.2	65	0.36	0.027	11
201530	Soil	0.7	18.0	7.9	58	<0.1	17.7	8.5	246	2.79	6.9	3.3	3.4	44	<0.1	0.6	0.1	67	0.32	0.021	15
201532	Soil	0.7	15.7	8.6	51	<0.1	15.1	6.6	167	2.50	6.2	3.6	2.9	31	0.1	0.4	0.2	60	0.31	0.034	12
201517	Soil	0.8	11.2	7.6	117	<0.1	11.5	9.2	681	3.75	7.1	0.9	12.4	28	0.2	0.5	0.2	76	0.25	0.091	31
201524	Soil	0.6	12.3	6.1	60	<0.1	15.6	8.6	276	3.08	6.2	1.4	4.8	27	<0.1	0.4	0.1	57	0.34	0.052	19
203413	Soil	0.9	12.3	8.2	47	<0.1	15.3	9.6	419	2.52	8.0	2.2	2.9	30	<0.1	0.5	0.2	61	0.29	0.040	11
202402	Soil	0.8	14.1	7.3	84	<0.1	16.4	11.5	999	2.79	6.3	1.9	4.4	41	0.2	0.5	0.2	59	0.29	0.049	14
202428	Soil	0.8	21.7	9.4	61	<0.1	19.3	7.0	234	2.35	7.9	1.5	4.3	33	<0.1	0.8	0.2	52	0.38	0.051	18
203407	Soil	0.5	10.8	5.4	55	<0.1	11.2	6.4	202	2.20	5.2	8.1	2.8	39	<0.1	0.3	0.1	54	0.40	0.046	12
201523	Soil	0.9	12.3	9.6	43	<0.1	12.5	6.4	194	2.54	8.4	1.1	2.7	18	0.1	0.6	0.2	57	0.19	0.032	14
202404	Soil	0.8	13.9	9.2	72	<0.1	19.8	10.4	598	3.02	8.2	2.3	4.3	28	<0.1	0.6	0.2	72	0.18	0.030	11
202407	Soil	0.9	12.1	9.0	51	<0.1	11.5	6.0	204	2.83	6.8	1.7	3.5	23	<0.1	0.4	0.2	71	0.17	0.023	11
202422	Soil	0.5	15.1	7.8	59	<0.1	13.5	7.6	268	2.66	7.1	2.8	4.4	25	<0.1	0.4	0.1	62	0.24	0.041	15
203398	Soil	0.4	17.8	7.5	55	0.1	14.5	6.6	163	2.26	5.3	2.7	2.5	40	0.2	0.4	0.1	51	0.35	0.050	15
202419	Soil	1.1	42.9	11.9	49	0.3	17.1	6.0	199	2.97	5.8	2.9	0.7	45	0.3	0.3	0.2	54	0.31	0.087	32
202425	Soil	0.7	19.7	8.6	49	<0.1	17.6	9.3	263	2.62	8.1	4.5	4.0	31	<0.1	0.6	0.2	60	0.27	0.024	19
202436	Soil	0.8	19.3	9.5	51	<0.1	18.0	8.7	250	2.90	9.7	1.9	5.1	29	<0.1	0.6	0.2	69	0.20	0.015	16
202432	Soil	0.5	14.2	6.0	51	<0.1	12.9	6.2	227	2.10	5.0	3.9	4.2	39	<0.1	0.4	0.1	48	0.36	0.039	14
202400	Soil	0.6	16.8	7.1	61	<0.1	14.7	8.3	516	2.67	6.1	1.7	5.2	41	<0.1	0.5	0.2	60	0.36	0.035	19
202406	Soil	0.5	27.8	6.3	103	<0.1	15.1	11.1	344	3.69	6.7	4.3	6.8	77	<0.1	0.5	0.1	80	0.37	0.028	26
202429	Soil	0.4	17.1	5.8	65	<0.1	12.2	6.9	262	2.34	4.2	0.9	5.5	33	0.1	0.3	0.1	54	0.32	0.050	19
202416	Soil	1.0	12.1	7.7	63	<0.1	13.5	11.6	1163	2.84	6.2	9.6	2.8	35	<0.1	0.4	0.2	70	0.28	0.037	9
202434	Soil	0.6	14.9	8.3	45	<0.1	15.9	7.5	212	2.48	9.0	2.3	3.3	16	<0.1	0.5	0.2	59	0.14	0.019	13
202420	Soil	0.4	16.3	5.5	73	<0.1	10.3	8.0	319	2.49	4.0	1.3	5.1	35	<0.1	0.3	<0.1	59	0.33	0.068	18

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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	Tl	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
203363	Soil	17	0.39	136	0.080	<1	1.44	0.011	0.08	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
201457	Soil	24	0.56	257	0.104	2	1.73	0.013	0.10	0.1	0.02	4.0	0.1	<0.05	6	<0.5	<0.2
203417	Soil	21	0.49	322	0.074	2	1.68	0.021	0.06	0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
203416	Soil	30	0.48	361	0.063	<1	1.75	0.016	0.05	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
201530	Soil	33	0.54	280	0.068	1	1.89	0.013	0.05	0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
201532	Soil	28	0.45	218	0.083	<1	1.99	0.014	0.05	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
201517	Soil	19	0.72	224	0.111	<1	2.40	0.010	0.35	<0.1	0.01	4.1	0.2	<0.05	9	<0.5	<0.2
201524	Soil	28	0.59	282	0.034	<1	2.05	0.014	0.09	<0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
203413	Soil	28	0.43	291	0.064	<1	1.55	0.012	0.08	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
202402	Soil	26	0.55	335	0.093	1	1.82	0.012	0.23	0.1	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
202428	Soil	28	0.51	302	0.075	2	1.45	0.016	0.07	0.2	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
203407	Soil	22	0.52	216	0.075	<1	1.49	0.013	0.05	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
201523	Soil	23	0.38	199	0.033	<1	1.76	0.009	0.07	0.1	0.02	3.0	0.1	<0.05	6	<0.5	<0.2
202404	Soil	32	0.54	368	0.076	1	2.27	0.009	0.08	0.1	0.01	3.4	0.1	<0.05	7	<0.5	<0.2
202407	Soil	23	0.42	194	0.078	<1	2.03	0.008	0.06	<0.1	0.02	3.7	0.1	<0.05	9	<0.5	<0.2
202422	Soil	26	0.52	211	0.107	1	1.86	0.011	0.07	0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
203398	Soil	26	0.42	239	0.078	2	1.75	0.014	0.05	0.1	0.04	4.1	<0.1	<0.05	6	0.5	<0.2
202419	Soil	28	0.33	425	0.048	1	2.28	0.014	0.10	<0.1	0.06	3.4	0.1	<0.05	8	0.5	<0.2
202425	Soil	31	0.47	293	0.075	1	1.93	0.013	0.05	0.1	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
202436	Soil	36	0.50	258	0.071	<1	2.11	0.011	0.05	0.1	0.03	4.9	0.1	<0.05	6	<0.5	<0.2
202432	Soil	22	0.46	222	0.086	2	1.46	0.014	0.07	0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
202400	Soil	26	0.56	371	0.087	<1	1.95	0.016	0.10	0.1	0.03	5.0	<0.1	<0.05	7	<0.5	<0.2
202406	Soil	31	0.96	356	0.118	1	2.47	0.015	0.07	<0.1	0.04	6.3	0.1	<0.05	10	<0.5	<0.2
202429	Soil	21	0.60	247	0.120	<1	1.51	0.015	0.23	0.2	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
202416	Soil	23	0.51	401	0.090	3	1.74	0.010	0.08	0.1	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
202434	Soil	28	0.46	210	0.068	3	1.88	0.008	0.05	0.1	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
202420	Soil	19	0.68	244	0.158	4	1.65	0.011	0.28	<0.1	0.01	3.0	0.2	<0.05	6	<0.5	<0.2

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QUALITY CONTROL REPORT WHI17000603.1

	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
Pulp Duplicates																					
202363	Soil	0.6	18.4	5.5	70	<0.1	10.2	7.8	302	2.73	3.4	14.7	3.9	33	<0.1	0.2	<0.1	59	0.25	0.040	11
REP 202363	QC	0.6	19.0	5.6	71	<0.1	10.6	8.0	312	2.97	3.6	2.3	4.2	33	<0.1	0.2	<0.1	62	0.27	0.038	11
203321	Soil	0.6	14.1	6.8	69	<0.1	13.7	7.1	241	2.59	5.1	2.5	4.3	26	<0.1	0.4	0.1	59	0.28	0.039	11
REP 203321	QC	0.6	14.4	7.0	73	<0.1	13.8	7.1	250	2.64	5.9	<0.5	4.3	26	<0.1	0.4	0.1	61	0.28	0.039	11
201499	Soil	0.9	11.7	8.5	69	<0.1	17.4	9.6	640	2.77	8.1	<0.5	3.1	26	0.1	0.4	0.2	69	0.23	0.054	10
REP 201499	QC	0.9	11.6	8.4	67	<0.1	16.8	9.6	623	2.77	8.3	<0.5	3.1	26	0.1	0.5	0.2	68	0.24	0.053	9
203384	Soil	0.6	10.4	6.5	66	<0.1	12.3	9.0	475	2.73	5.3	<0.5	3.5	35	<0.1	0.3	0.1	62	0.40	0.054	12
REP 203384	QC	0.6	10.1	6.6	63	<0.1	12.3	9.2	504	2.72	5.5	0.9	3.5	34	<0.1	0.3	0.1	60	0.39	0.054	12
202376	Soil	0.5	34.7	5.1	58	<0.1	19.6	12.1	270	2.81	4.8	2.2	3.5	113	<0.1	0.3	<0.1	75	0.64	0.089	12
REP 202376	QC	0.3	33.3	5.1	58	<0.1	18.9	11.9	276	2.81	5.3	1.2	3.7	111	<0.1	0.3	<0.1	75	0.65	0.090	12
201475	Soil	0.7	12.5	7.2	48	<0.1	15.8	7.2	323	2.25	6.9	10.3	3.5	26	<0.1	0.6	0.1	52	0.25	0.024	11
REP 201475	QC	0.7	12.6	7.2	46	<0.1	16.0	7.3	319	2.25	6.9	1.1	3.4	26	<0.1	0.5	0.1	52	0.26	0.024	11
203317	Soil	0.5	13.5	7.3	59	<0.1	13.4	6.8	235	2.52	6.0	<0.5	2.5	38	<0.1	0.3	0.1	60	0.22	0.039	13
REP 203317	QC	0.6	13.3	7.2	60	<0.1	13.4	6.8	228	2.49	5.6	0.7	2.4	39	<0.1	0.3	0.1	60	0.22	0.036	12
202462	Soil	0.9	23.9	5.8	118	<0.1	9.8	11.3	491	4.03	4.3	3.0	1.8	18	0.1	0.2	0.1	89	0.32	0.061	8
REP 202462	QC	0.9	25.2	5.9	118	<0.1	10.4	10.8	496	4.20	4.2	0.5	1.8	18	0.1	0.2	<0.1	86	0.34	0.062	9
203410	Soil	1.0	17.1	5.2	77	<0.1	11.5	9.3	338	3.21	4.8	2.0	2.4	50	<0.1	0.4	0.1	77	0.45	0.045	10
REP 203410	QC	0.9	17.3	5.2	78	<0.1	11.9	9.5	330	3.16	4.6	0.9	2.4	51	<0.1	0.4	0.1	78	0.47	0.046	10
Reference Materials																					
STD DS11	Standard	14.1	150.0	140.5	340	1.8	78.7	14.1	1015	3.14	43.5	77.7	8.3	76	2.4	9.3	12.9	52	1.08	0.071	20
STD DS11	Standard	14.5	144.5	136.7	324	1.7	78.5	13.1	1026	3.09	41.6	107.3	8.0	71	2.5	9.2	11.7	50	1.03	0.071	19
STD DS11	Standard	14.0	141.7	133.5	336	1.7	73.8	13.1	1016	3.11	42.3	72.5	7.9	73	2.3	9.1	11.4	49	1.06	0.070	20
STD DS11	Standard	13.8	142.6	141.5	332	1.7	74.4	13.6	1025	3.15	42.6	57.1	7.9	68	2.4	8.3	12.1	50	1.04	0.067	18
STD DS11	Standard	13.9	149.2	135.4	351	1.8	76.7	13.8	1045	3.21	43.6	73.4	7.6	68	2.6	8.6	11.4	48	1.00	0.071	18
STD DS11	Standard	12.7	151.9	133.3	340	1.7	78.4	13.7	1002	3.10	43.3	73.4	7.5	70	2.3	9.7	12.7	48	1.01	0.069	19
STD DS11	Standard	14.6	153.9	144.3	341	1.7	79.1	13.3	1019	3.12	43.6	79.4	8.2	67	2.5	8.9	12.6	53	1.03	0.073	19
STD DS11	Standard	13.8	150.1	135.9	347	1.8	77.9	13.6	1042	3.18	44.8	117.0	8.0	78	2.4	9.3	13.7	49	1.06	0.072	20
STD DS11	Standard	14.1	149.6	135.8	348	1.9	77.0	13.6	1056	3.19	44.1	80.5	8.2	80	2.6	9.6	13.9	50	1.09	0.070	21

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Project: LuckyJoe
Report Date: September 12, 2017

QUALITY CONTROL REPORT WHI17000603.1

	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	Tl	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
Pulp Duplicates																	
202363	Soil	19	0.72	259	0.140	<1	1.91	0.013	0.20	<0.1	<0.01	2.9	0.1	<0.05	7	<0.5	<0.2
REP 202363	QC	20	0.73	262	0.144	<1	1.86	0.013	0.21	<0.1	0.02	3.1	0.1	<0.05	7	<0.5	<0.2
203321	Soil	23	0.57	201	0.096	2	1.84	0.011	0.09	0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
REP 203321	QC	23	0.57	207	0.099	2	1.83	0.011	0.09	0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
201499	Soil	29	0.51	271	0.074	<1	1.78	0.010	0.11	0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
REP 201499	QC	29	0.52	271	0.074	<1	1.78	0.010	0.11	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
203384	Soil	26	0.65	235	0.102	2	1.88	0.014	0.10	0.1	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
REP 203384	QC	26	0.63	231	0.100	2	1.83	0.014	0.10	<0.1	0.03	3.7	<0.1	<0.05	7	<0.5	<0.2
202376	Soil	42	0.97	226	0.110	2	2.12	0.036	0.06	0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2
REP 202376	QC	42	0.99	229	0.110	2	2.10	0.037	0.06	0.1	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2
201475	Soil	28	0.44	232	0.064	<1	1.38	0.011	0.07	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 201475	QC	28	0.44	230	0.065	<1	1.36	0.011	0.07	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
203317	Soil	23	0.57	193	0.115	1	1.86	0.010	0.14	0.1	0.03	2.9	0.1	<0.05	7	<0.5	<0.2
REP 203317	QC	23	0.57	188	0.114	2	1.84	0.010	0.13	<0.1	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
202462	Soil	20	0.80	203	0.122	1	2.12	0.017	0.17	<0.1	0.01	7.7	0.1	<0.05	9	<0.5	<0.2
REP 202462	QC	20	0.78	205	0.125	1	2.18	0.018	0.17	<0.1	<0.01	7.8	<0.1	0.05	9	<0.5	<0.2
203410	Soil	26	0.70	209	0.067	1	1.70	0.017	0.07	0.1	0.02	4.8	<0.1	<0.05	8	<0.5	<0.2
REP 203410	QC	26	0.71	213	0.068	<1	1.72	0.016	0.07	0.1	0.02	4.9	<0.1	<0.05	8	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	59	0.84	361	0.096	6	1.14	0.073	0.42	2.8	0.26	3.2	4.8	0.27	5	2.3	4.3
STD DS11	Standard	59	0.85	389	0.098	7	1.17	0.073	0.38	3.0	0.28	3.3	4.6	0.25	5	2.8	4.7
STD DS11	Standard	57	0.84	388	0.098	6	1.17	0.073	0.42	3.0	0.27	3.2	4.7	0.28	5	1.8	4.4
STD DS11	Standard	59	0.82	368	0.096	7	1.12	0.070	0.40	3.0	0.28	3.3	4.8	0.26	5	2.3	4.5
STD DS11	Standard	58	0.85	378	0.093	11	1.14	0.069	0.40	3.0	0.25	3.0	4.7	0.27	5	2.3	4.6
STD DS11	Standard	57	0.84	367	0.086	7	1.13	0.069	0.39	3.0	0.26	3.1	4.8	0.26	5	1.9	4.8
STD DS11	Standard	61	0.86	390	0.094	7	1.17	0.073	0.38	3.2	0.28	3.4	5.2	0.29	5	2.2	4.7
STD DS11	Standard	58	0.86	400	0.091	8	1.18	0.078	0.41	2.9	0.26	3.4	4.9	0.24	5	2.2	4.5
STD DS11	Standard	59	0.87	404	0.094	6	1.20	0.077	0.42	3.1	0.29	3.5	4.9	0.24	5	2.0	5.1

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		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
STD DS11	Standard	13.9	149.8	137.0	354	1.9	78.3	13.8	1060	3.27	45.3	76.7	8.6	82	2.6	10.3	13.6	51	1.14	0.071	22
STD OXC129	Standard	1.3	26.3	6.7	38	<0.1	76.7	19.9	422	2.99	<0.5	206.4	2.0	212	<0.1	<0.1	<0.1	52	0.67	0.106	13
STD OXC129	Standard	1.2	27.0	6.5	42	<0.1	78.4	20.3	420	3.08	<0.5	192.9	1.9	191	<0.1	<0.1	<0.1	51	0.71	0.097	12
STD OXC129	Standard	1.3	27.0	6.4	41	<0.1	76.7	19.3	398	3.00	<0.5	185.8	1.8	182	<0.1	<0.1	<0.1	49	0.68	0.095	12
STD OXC129	Standard	1.2	26.2	6.7	40	<0.1	77.1	20.3	425	3.21	<0.5	195.5	1.9	189	<0.1	<0.1	<0.1	53	0.67	0.101	13
STD OXC129	Standard	1.1	26.2	6.4	42	<0.1	75.0	19.8	407	3.02	<0.5	192.8	1.8	188	<0.1	<0.1	<0.1	54	0.69	0.099	12
STD OXC129	Standard	1.3	27.3	6.1	41	<0.1	77.6	19.6	412	3.01	0.7	191.3	1.9	198	<0.1	<0.1	<0.1	50	0.70	0.100	13
STD OXC129	Standard	1.3	27.7	6.6	43	<0.1	78.4	20.8	432	3.13	0.7	222.7	1.9	186	<0.1	<0.1	<0.1	56	0.67	0.105	13
STD OXC129	Standard	1.2	28.2	6.3	43	<0.1	79.7	20.3	429	3.15	1.0	198.6	1.8	205	<0.1	<0.1	<0.1	53	0.74	0.109	13
STD OXC129	Standard	1.2	26.6	6.4	43	<0.1	75.6	19.5	420	3.12	0.9	209.4	1.9	209	<0.1	<0.1	<0.1	53	0.76	0.101	13
STD OXC129	Standard	1.2	27.2	6.5	44	<0.1	77.5	20.0	433	3.15	0.6	200.8	2.0	227	<0.1	<0.1	<0.1	53	0.73	0.101	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
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	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
STD DS11	Standard	61	0.88	406	0.101	8	1.24	0.080	0.42	3.0	0.28	3.6	5.1	0.25	5	2.3	5.0
STD OXC129	Standard	52	1.54	50	0.402	<1	1.55	0.597	0.35	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	49	1.57	53	0.394	<1	1.56	0.609	0.37	<0.1	<0.01	0.7	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	49	1.50	50	0.368	1	1.54	0.604	0.38	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	52	1.59	50	0.398	3	1.54	0.590	0.37	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	51	1.53	51	0.408	2	1.50	0.601	0.36	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	49	1.54	51	0.383	1	1.54	0.577	0.37	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.49	54	0.405	<1	1.50	0.548	0.35	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	52	1.63	54	0.395	2	1.63	0.632	0.40	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	52	1.57	53	0.399	1	1.61	0.607	0.36	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	53	1.60	55	0.413	<1	1.73	0.622	0.38	<0.1	<0.01	0.8	<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
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 2

CERTIFICATE OF ANALYSIS WHI17000604.1

CLIENT JOB INFORMATION

Project: LuckyJoe
Shipment ID:
P.O. Number
Number of Samples: 4

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	4	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	4	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	4	Environmental disposal charge-Fire assay lead waste			VAN
AQ201	4	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	4	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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: LuckyJoe
Report Date: September 12, 2017

CERTIFICATE OF ANALYSIS WHI17000604.1

	Method	WGHT	FA430	AQ201	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	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.01
200842	Rock	1.13	<0.005	0.3	8.2	9.6	13	<0.1	2.5	0.6	53	0.35	<0.5	1.8	0.9	21	<0.1	<0.1	<0.1	2	0.06
200843	Rock	0.71	<0.005	0.3	1.7	0.7	2	<0.1	1.4	0.5	51	0.25	0.8	2.3	0.2	6	<0.1	<0.1	<0.1	<2	0.07
200844	Rock	1.07	<0.005	0.2	4.1	5.3	16	<0.1	4.4	1.6	1978	0.43	2.4	<0.5	0.7	121	0.2	<0.1	<0.1	4	20.17
200845	Rock	1.08	<0.005	0.2	15.2	0.5	26	<0.1	16.9	10.6	415	2.03	0.6	0.7	1.0	78	<0.1	<0.1	<0.1	55	1.36

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

Project: LuckyJoe
Report Date: September 12, 2017

CERTIFICATE OF ANALYSIS WHI17000604.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	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
200842	Rock		0.009	2	2	0.06	216	0.003	<1	0.42	0.042	0.14	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
200843	Rock		0.024	<1	3	0.02	21	0.004	<1	0.05	0.010	<0.01	<0.1	<0.01	0.2	0.1	<0.05	<1	<0.5	<0.2
200844	Rock		0.263	10	3	7.48	30	0.006	<1	0.19	0.004	<0.01	<0.1	0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2
200845	Rock		0.075	3	27	0.95	52	0.062	<1	1.40	0.192	0.07	<0.1	<0.01	7.8	<0.1	<0.05	4	<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

Project: LuckyJoe
Report Date: September 12, 2017

QUALITY CONTROL REPORT WHI17000604.1

	Method	WGHT	FA430	AQ201	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	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.01
Pulp Duplicates																					
200842	Rock	1.13	<0.005	0.3	8.2	9.6	13	<0.1	2.5	0.6	53	0.35	<0.5	1.8	0.9	21	<0.1	<0.1	<0.1	2	0.06
REP 200842	QC			0.2	8.0	9.6	13	<0.1	2.4	0.5	53	0.35	<0.5	<0.5	0.9	20	0.1	<0.1	<0.1	2	0.06
Reference Materials																					
STD DS11	Standard			13.1	145.3	142.5	341	1.8	75.7	13.6	1018	3.13	43.7	125.2	8.4	75	2.3	9.7	13.6	48	1.03
STD OXC129	Standard			1.4	26.5	6.7	38	<0.1	77.8	19.8	403	2.98	0.9	189.8	2.1	206	<0.1	<0.1	<0.1	51	0.65
STD OXC145	Standard		0.208																		
STD OXH122	Standard		1.226																		
STD OXN117	Standard		7.420																		
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	0.7	3.5	1.4	33	<0.1	1.0	3.6	493	1.62	1.2	<0.5	2.3	20	<0.1	<0.1	<0.1	20	0.51

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

Project: LuckyJoe
Report Date: September 12, 2017

QUALITY CONTROL REPORT WHI17000604.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	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
Pulp Duplicates																			
200842	Rock	0.009	2	2	0.06	216	0.003	<1	0.42	0.042	0.14	<0.1	<0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
REP 200842	QC	0.010	2	2	0.06	206	0.003	<1	0.41	0.042	0.14	<0.1	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																			
STD DS11	Standard	0.071	19	58	0.84	381	0.091	6	1.12	0.070	0.39	3.0	0.28	3.3	4.9	0.28	5	1.3	4.4
STD OXC129	Standard	0.102	14	51	1.49	51	0.408	<1	1.57	0.596	0.37	<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	0.037	6	2	0.42	52	0.066	1	0.85	0.101	0.10	0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2

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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 WHI17000430.1

CLIENT JOB INFORMATION

Project: LuckyJoe
Shipment ID:
P.O. Number
Number of Samples: 9

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	9	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	9	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	9	Environmental disposal charge-Fire assay lead waste			VAN
AQ201	9	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	9	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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 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

Project: LuckyJoe
Report Date: September 12, 2017

CERTIFICATE OF ANALYSIS WHI17000430.1

	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	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.01
200814	Rock	0.95	<0.005	0.5	53.5	14.1	22	<0.1	2.0	0.6	41	0.36	0.6	<0.5	0.8	5	<0.1	<0.1	<0.1	5	0.07
200815	Rock	1.11	<0.005	0.3	2.0	2.5	12	<0.1	1.6	0.9	80	0.64	1.9	<0.5	0.7	23	<0.1	<0.1	<0.1	10	0.12
200816	Rock	1.50	<0.005	0.1	8.7	1.8	18	<0.1	1.3	1.8	69	0.50	1.4	<0.5	0.1	19	<0.1	<0.1	<0.1	8	0.08
200817	Rock	1.40	<0.005	0.3	10.4	0.6	34	<0.1	9.0	12.5	489	2.67	0.5	<0.5	1.6	9	<0.1	<0.1	<0.1	89	1.17
200818	Rock	1.22	<0.005	0.2	10.4	3.4	11	<0.1	9.8	2.7	81	0.39	1.0	0.5	0.4	22	<0.1	<0.1	<0.1	9	0.30
203900	Rock	1.07	<0.005	0.3	18.3	1.2	50	<0.1	2.0	5.1	357	1.90	0.7	<0.5	11.2	16	<0.1	<0.1	<0.1	32	0.15
203901	Rock	1.53	<0.005	<0.1	1.8	2.1	29	<0.1	0.7	1.9	119	0.67	<0.5	<0.5	2.8	19	<0.1	<0.1	<0.1	10	0.08
203902	Rock	1.16	<0.005	0.2	1.8	2.1	44	<0.1	1.9	3.7	245	1.38	0.7	<0.5	6.2	19	<0.1	<0.1	<0.1	26	0.13
203978	Rock	1.38	<0.005	0.3	24.8	2.7	48	<0.1	1.3	2.7	248	1.35	0.5	<0.5	7.4	10	0.2	<0.1	<0.1	19	0.13

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

Project: LuckyJoe
Report Date: September 12, 2017

CERTIFICATE OF ANALYSIS WHI17000430.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	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
200814	Rock	0.022	2	1	0.14	24	0.003	<1	0.17	0.003	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
200815	Rock	0.015	2	4	0.11	36	0.023	1	0.27	0.086	0.03	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
200816	Rock	0.012	<1	<1	0.15	89	0.017	<1	0.31	0.086	0.08	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	<0.2
200817	Rock	0.097	7	7	0.89	23	0.101	<1	1.17	0.217	0.05	<0.1	<0.01	9.3	<0.1	<0.05	5	<0.5	<0.2
200818	Rock	0.019	<1	33	0.21	44	0.027	<1	0.32	0.089	0.04	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
203900	Rock	0.031	21	5	0.45	343	0.144	<1	0.86	0.076	0.55	<0.1	<0.01	2.8	0.2	<0.05	4	<0.5	<0.2
203901	Rock	0.017	5	1	0.17	108	0.028	<1	0.43	0.078	0.15	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
203902	Rock	0.026	9	4	0.37	209	0.086	<1	0.81	0.075	0.43	<0.1	<0.01	1.8	0.1	<0.05	4	<0.5	<0.2
203978	Rock	0.020	4	2	0.40	73	0.064	<1	0.83	0.045	0.42	<0.1	<0.01	2.2	0.2	<0.05	4	<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: LuckyJoe
Report Date: September 12, 2017

QUALITY CONTROL REPORT WHI17000430.1

	Method	WGHT	FA430	AQ201	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	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	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	0.01
Reference Materials																					
STD DS11	Standard			13.4	153.4	137.7	333	1.7	77.7	14.3	999	3.08	45.5	72.4	7.5	65	2.6	9.2	12.0	48	1.02
STD OXC129	Standard			1.2	27.9	6.3	41	<0.1	77.2	19.7	423	2.97	0.7	183.1	1.8	170	<0.1	<0.1	<0.1	51	0.64
STD OXC145	Standard		0.212																		
STD OXH122	Standard		1.232																		
STD OXN117	Standard		7.587																		
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	0.7	4.5	1.4	32	<0.1	1.2	3.8	511	1.69	1.1	<0.5	2.3	20	<0.1	<0.1	<0.1	21	0.52

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Project: LuckyJoe
Report Date: September 12, 2017

QUALITY CONTROL REPORT WHI17000430.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	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	0.071	18	58	0.83	385	0.091	7	1.10	0.070	0.39	2.9	0.25	3.3	4.7	0.28	5	2.0	4.4
STD OXC129	Standard	0.093	12	49	1.51	49	0.377	<1	1.50	0.581	0.36	<0.1	<0.01	1.0	<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	0.040	6	4	0.44	48	0.070	2	0.88	0.089	0.09	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2